

Bauske, Shelly A.

From: Grangaard, Wayne
Sent: Tuesday, June 13, 2017 11:43 AM
To: Crockford, Konrad S.
Cc: Bauske, Shelly A.; Erickson, Kyle W.
Subject: RE: CAT Scale #380 - Bismarck, ND Variance Request

Konrad,

RE: CAT Scale unit @
Stamart Travel Center, 3936 E. Divide Ave., Bismarck, ND 58504

It appears the request only addresses the 4 ft. clearance required in 69-10-02-06. I believe this clearance is for the purpose of providing ease of access for service and an allowance of build-up of water or debris before it affects scale operation.

I don't believe the pit in its history has had any build-up issues and apparently drains well.

We may want to obtain in writing from the applicant that the pit meets all requirements and is in good shape. That is no large cracks or shifting. I'm sure they assumed we trust them to not try and reuse a pit that is in bad shape.

Perhaps I should stop by next week and take a look at the concrete and pit condition.

Otherwise I would have no problem with them going ahead with this plan. The plans/drawings appear standard but should not be considered 'approved' since there could be details that I am unaware of.

From: Crockford, Konrad S.
Sent: Monday, June 12, 2017 1:29 PM
To: Grangaard, Wayne <wgrangaard@nd.gov>
Cc: Bauske, Shelly A. <sbauske@nd.gov>; Erickson, Kyle W. <kyerickson@nd.gov>
Subject: FW: CAT Scale #380 - Bismarck, ND Variance Request

Wayne,

Attached is a variance request that we received from CAT Scales. They need to replace the truck scale at the StaMart Travel Center on Divide Ave. in Bismarck. The scale they would like to install will not meet the current clearance requirements of 48" from the bottom of the pit to the I beam. The new scale will only have a 2' 7 ¾" clearance. Due to this restriction, they are planning on additional manhole covers for access.

Please review this and let me know your thoughts. On their attachments I did not see the manhole locations mapped out or how many they will have. I would think one of two things on this: ensure there are enough manhole covers to access required areas or they will have to do a redesign on the concrete foundation to meet the rule requirement, but I am open to other ideas/suggestions.

Please reply all to the email as I would like to keep Shelly in the loop and Kyle so that he can gain some knowledge and understanding on this process.

Thanks,

Konrad Crockford

2 **WM-17-255** Filed: 6/13/2017 Pages: 13
Inspection summary

Public Service Commission

Director of Compliance
North Dakota Public Service Commission
701-328-4097 kcrockford@nd.gov



From: Bauske, Shelly A.
Sent: Friday, June 09, 2017 09:34
To: Crockford, Konrad S. <kcrockford@nd.gov>
Subject: FW: CAT Scale #380 - Bismarck, ND Variance Request

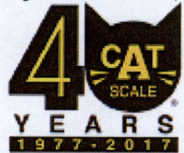
From: Ryan.Duncan@iowa80group.com [<mailto:Ryan.Duncan@iowa80group.com>]
Sent: Thursday, June 08, 2017 11:33 AM
To: Bauske, Shelly A.
Subject: CAT Scale #380 - Bismarck, ND Variance Request

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

Please find attached an letters and drawings for an existing CAT Scale location and a request for a variance.

We greatly appreciate your consideration for a variance. If you have any questions please call me at (563)-468-5226.

Thank You,
Ryan Duncan, Construction Coordinator



CAT Scale Company
515 Sterling Drive, PO Box 630
Walcott, Iowa 52773
Direct: (563)-468-5226
eFax: (563)-594-5247

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History: Effective August 1, 1993; amended effective September 1, 1994; February 1, 1996.

General Authority: NDCC 64-02-03

Law Implemented: NDCC 64-02-02, 64-02-13

69-10-02-06. Clearances - Drainage - Pit entrances.

Motor truck, motor truck dump, and livestock scales, other than fixed pitless scales, regardless of capacity, must have a clearance of not less than four feet [12.19 decimeters] from the finished floorline of the scale pit to the bottom of the "I" beam of the scale bridge. A five-eighths-inch [15.88-millimeter] clearance must be provided between the live deck and the pit coping. A "crushing strip" or "rock guard" must be installed in the event a concrete deck is installed on a scale; wood decks must be undercut around deck to prevent foreign material from lodging between deck and coping. Scale pits must be kept reasonably clean and dry at all times, and adequate drainage must be provided. Convenient entrances to the scale pit must be provided for the purpose of inspecting and cleaning.

History: Amended effective August 1, 1993; September 1, 1994.

General Authority: NDCC 64-02-03

Law Implemented: NDCC 64-02-02, 64-02-13

69-10-02-07. Foundation and supports.

The foundation and supports of any scale installed in a fixed position shall consist of reinforced concrete of sufficient strength to ensure rigidity and permanence. The fulcrum stands for the levers or the load cells of large capacity scales must be installed on level piers with a minimum of grouting. All footings must be of adequate depth to extend below the frostline.

History: Amended effective August 1, 1993.

General Authority: NDCC 64-02-03

Law Implemented: NDCC 64-02-02, 64-02-13

69-10-02-08. Deviations from manufacturer's design.

Repealed effective July 1, 2008.

69-10-02-09. Deck lengths.

1. A motor truck or motor truck dump scale installed and operational before January 1, 1995, must have at least twelve feet [3.66 meters] or a distance equal to one-third of deck length, whichever is greater, of straight driveway on either end of the scale deck not over one-third inch [8.47 millimeters] per foot [30.48 centimeters] out of level with the platform. The first twelve feet [3.66 meters] from the scale must be of a hard surface (concrete or asphalt). An inside scale must measure a minimum of four feet [1.22 meters] of metal, wood, asphalt, or reinforced concrete between the scale deck and the inside of the doorsill at both ends of the scale.
2. A motor truck or motor truck dump scale installed on or after January 1, 1995, must have at least twelve feet [3.66 meters] or a distance equal to one-third of deck length, whichever is greater, of straight approaches beginning in a level plane with the surface of the scale deck. The slope of the approaches away from the scale deck may not exceed one-third inch [8.47 millimeters] per foot [30.48 centimeters]. The first twelve feet [3.66 meters] of approach from the scale must be of metal or concrete. An inside scale must measure a minimum of five feet [1.52 meters] of reinforced concrete between the scale deck and the inside of the doorsill at both ends of the scale. However, grating of sufficient strength to withstand all loads equal to the concentrated load capacity of the scale may be installed on either end of that inside scale.

History: Amended effective September 1, 1994; February 1, 1996.

Bauske, Shelly A.

From: Grangaard, Wayne
Sent: Tuesday, June 20, 2017 2:51 PM
To: Crockford, Konrad S.
Cc: Bauske, Shelly A.
Subject: RE: CAT Scale #380 - Bismarck, ND Variance Request

I put the pictures in Device Doc's (for 5330)

From: Crockford, Konrad S.
Sent: Friday, June 16, 2017 4:23 PM
To: Grangaard, Wayne <wgrangaard@nd.gov>
Cc: Bauske, Shelly A. <sbauske@nd.gov>; Erickson, Kyle W. <kyerickson@nd.gov>
Subject: RE: CAT Scale #380 - Bismarck, ND Variance Request

Thanks Wayne!! Since you'll be in the area, I think it's a great idea for you to stop by and have a look at it. I'll send a follow up request asking for the condition of the pit to be stated in writing.

Thanks,

Konrad Crockford
Director of Compliance
North Dakota Public Service Commission
701-328-4097 kcrockford@nd.gov



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North Dakota Public Service Commission
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Thank You,

Ryan Duncan, Construction Coordinator



CAT Scale Company

515 Sterling Drive, PO Box 630

Walcott, Iowa 52773

Direct: (563)-468-5226

eFax: (563)-594-5247

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