



CONTINENTAL DISC CORPORATION (Headquarters)

3160 W. HEARTLAND DRIVE, LIBERTY, MO 64068 USA

PHONE: (816) 792-1500 | FAX: (816) 792-2277

CONTDISC.COM | PRESSURE@CONTDISC.COM

February 21, 2017

U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Attn: Document Control Desk

Subject: Report of potential safety hazard in accordance with Title 10 Code of Federal Regulations, Part 21

Continental Disc Corporation has identified two orders of rupture discs and associated holders which were delivered to a Nuclear Utility customer with an incorrect installation instruction. Specifically, the installation instruction specified an installation torque value which did not match the seismic evaluation report for the torque to be applied when installing the disc and holder assembly into piping.

- I. Name and address of the individual informing the commission.

Shane Bacon
Continental Disc Corporation
3160 W Heartland Drive, Liberty Mo 64068

- II. Identification of the facility, the activity, or the basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect.

Facility: Exelon Nine Mile Point Nuclear Station

Basic Component: The basic component supplied is the installation instruction for a qty of 3 Special 10" HPX-90 Rupture Discs. SO916070411. PN: SC16270A0001

Facility: Exelon Generation Company (LaSalle)

Basic Component: The basic component supplied is the installation instruction for a qty of 4 Special 12" HPX-90 Rupture Discs. SO916070155. PN: SC16267A0001

- III. Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect.

Firm supplying the basic component:
Continental Disc Corporation
3160 W Heartland Drive, Liberty Mo 64068

- IV. Nature of the defect or failure to comply and the safety hazard which is created or could be created by such a defect or failure to comply.



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The installation instruction which shipped with the product was our standard installation instruction which specified 185ft lbs of torque when bolting the rupture disc and holder assembly between flanges. The Seismic Evaluation report which accompanied the order specified the bolt torque to be 155ft lbs. Therefore, the installation instruction was incorrect and could potentially lead to applying the incorrect torque to the installation studs/nuts.

- V. The date on which the information of such defect or failure to comply was obtained.

1/31/2017. Exelon was immediately notified on 1/31/2017 once it was determined the incorrect installation instruction was supplied with their orders.

Exelon Nine Mile acknowledged receipt of the orders and that the discs had not been installed. The correct installation instruction was supplied to Nine Mile before an issue could occur.

Exelon LaSalle acknowledged receipt of the orders and that one of the rupture discs/holders was installed into their piping at a torque value derived from a plant specification which was greater than the torque value supplied in either the correct or incorrect installation instruction supplied by Continental Disc Corporation.

- VI. In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured, or being manufactured for one or more facilities or activities subject to the regulations in this part.

Nine Mile: Qty 3 Special 10" HPX-90 Rupture Discs with an installation instruction

LaSalle: Qty 4 Model: Special 12" HPX 90 Rupture Discs with an installation instruction

- VII. The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.

Continental Disc Corporation has opened internal corrective action #108371 to thoroughly evaluate the root cause and document corrective action. To summarize the CAR, we have evaluated the issue and determined we can change our internal process to eliminate this defect from occurring by specifying in our internal system the special installation instruction number at the time an order is placed which requires Seismic evaluation and place the order on "hold" from manufacturing or shipping until the seismic evaluation report is received from the supplier. This will eliminate the root cause of the problem.

- VIII. Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.



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Continental Disc has been in direct contact with the engineers and managers at Exelon to resolve this issue and we have provided assistance identifying a gasket which will seal with the lower torque values assigned by the seismic evaluation. Both facilities indicated they will use an appropriate gasket and will torque the products at 155 ft lbs which is the torque specified by the seismic evaluation and the correct installation instruction.

IX. In the case of an early site permit, the entities to whom an early site permit was transferred.

Not Applicable.

Cc:

Exelon Nine Mile Nuclear Station

Exelon Generating Company (LaSalle)

Sincerely,

A handwritten signature in black ink that reads 'Shane Bacon'.

Shane Bacon

Director of Quality and Certifications, Continental Disc Corporation

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