

Steve Long's estimates of cavity dimensions and the material from licensee that was Long's basis for his estimates

From: <mkleisure@firstenergycorp.com>
 To: <jbh1@nrc.gov>
 Date: 8/23/02 2:01PM
 Subject: RE: NRC Request re: Cavity Mold

Jon-
 Attached is an email responding to a Steve Long request forwarded to Dale Wuokko via Stephen Sands on 8/21. Please forward this information to Mr. Long. I have also included (below) the powerpoint slide and the word doc referred to in the attached email.
 (See attached file: BWXT.ppt)(See attached file: Area of exposed cladding.doc)

Mike Leisure
 Davis-Besse Licensing
 (419)321-7168
 — Forwarded by Michael K. Leisure/TE/FirstEnergy on 08/23/2002 01:51 PM

XU Hongqing
 <Hongqing.XU@framatom To: "mkleisure@firstenergycorp.com"
 <mkleisure@firstenergycorp.com>
 e-anp.com> cc: "jwhyres@mcdermott.com" <jwhyres@mcdermott.com>
 Subject: RE: NRC Request re: Cavity Mold
 08/22/2002 02:16 PM

Mike

Based on the photos (particular slide #12) in the 6/17/02 presentation at BWXT and photos for the exposed cladding area measurement (word doc in my 8/7/02 email to you), the shortest distance from the nozzle #3 O.D. to the extremity of the cavity (i.e. the farthest point of the nose) is estimated to be 5.9+/- 0.2 inch.

Hongqing Xu

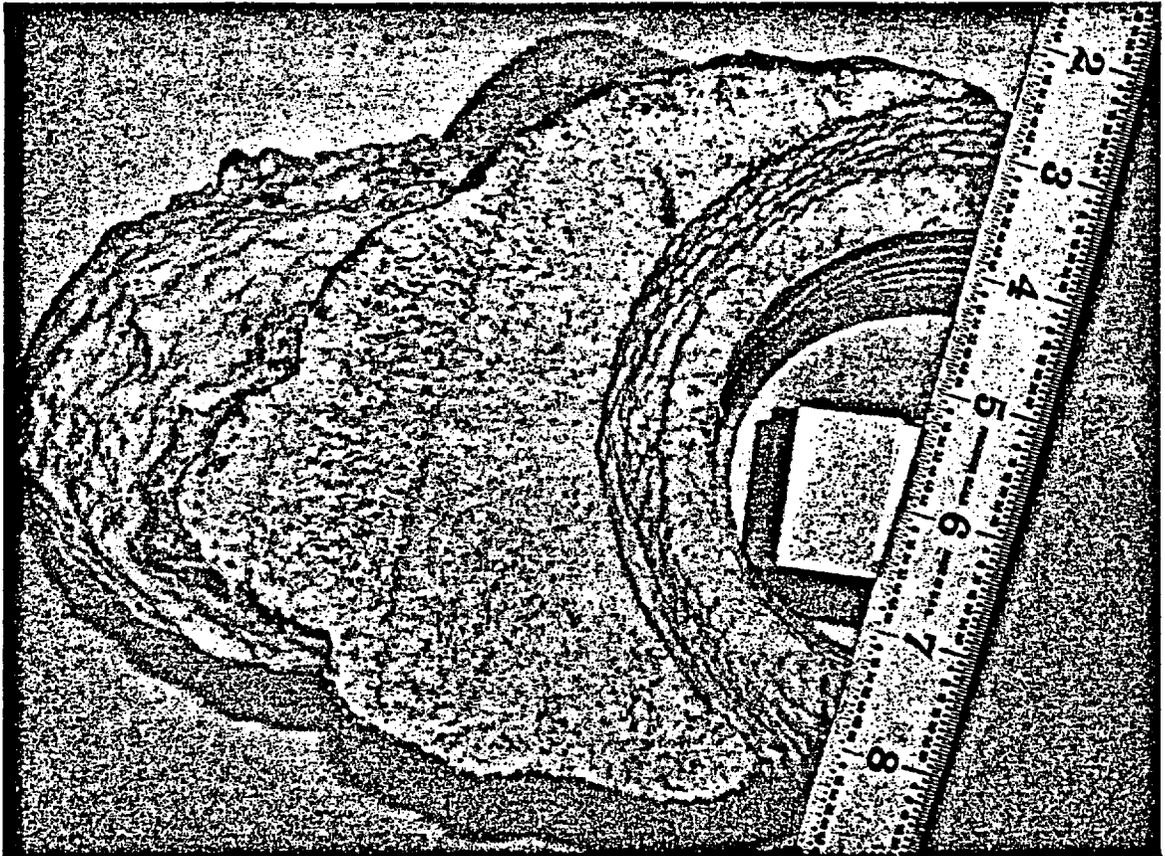
—Original Message—
 From: mkleisure@firstenergycorp.com
 [mailto:mkleisure@firstenergycorp.com]
 Sent: Thursday, August 22, 2002 11:48 AM
 To: Hongqing.Xu@framatom-e-anp.com
 Cc: mmclaughlin@firstenergycorp.com; drwuokko@firstenergycorp.com
 Subject: NRC Request re: Cavity Mold

Hongqing-
 I just faxed you a couple of pages regarding an NRC request on the maximum dimension from the nozzle to the nose of the cavity. Please call me when you've had a chance to review the fax.

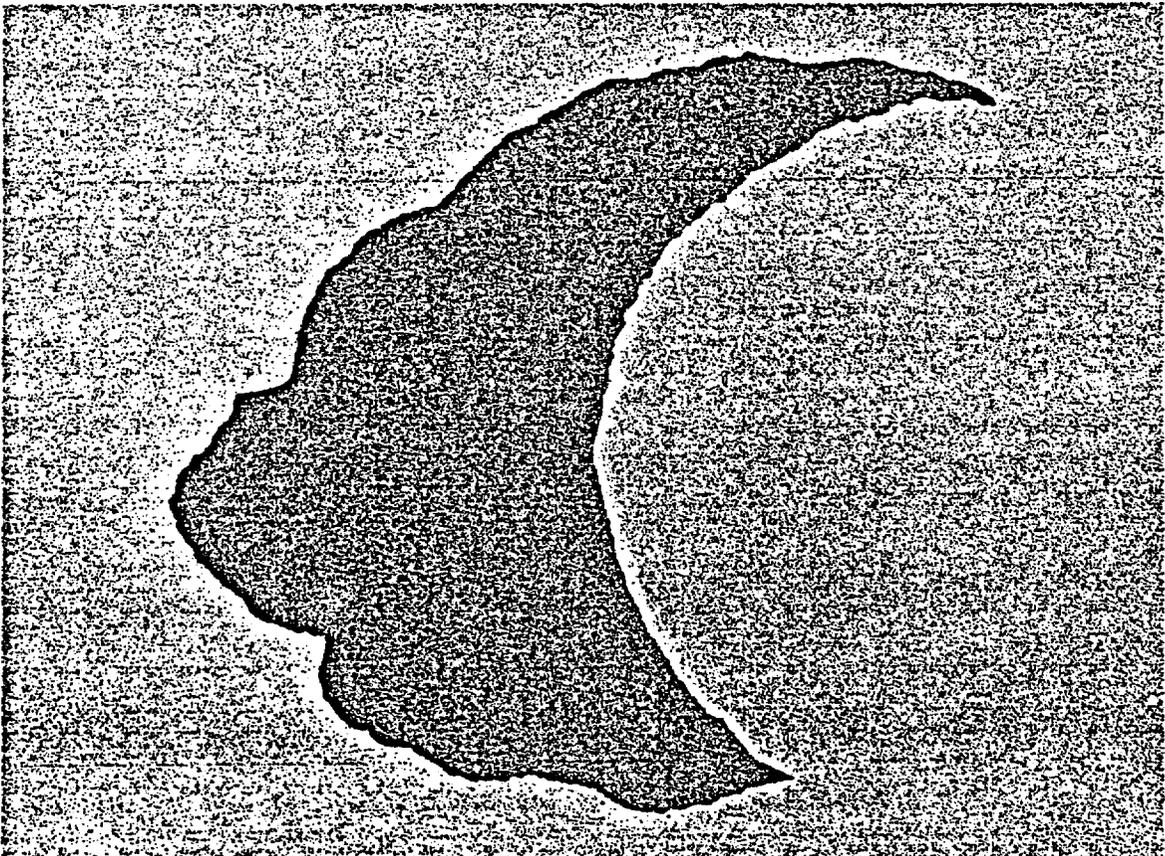
6/27

Thanks,
Mike Leisure
Davis-Besse Licensing
(419)321-7168

CC: <mmclaughlin@firstenergycorp.com>, <drwuokko@firstenergycorp.com>,
<sps1@nrc.gov>, <Hongqing.Xu@framatome-anp.com>



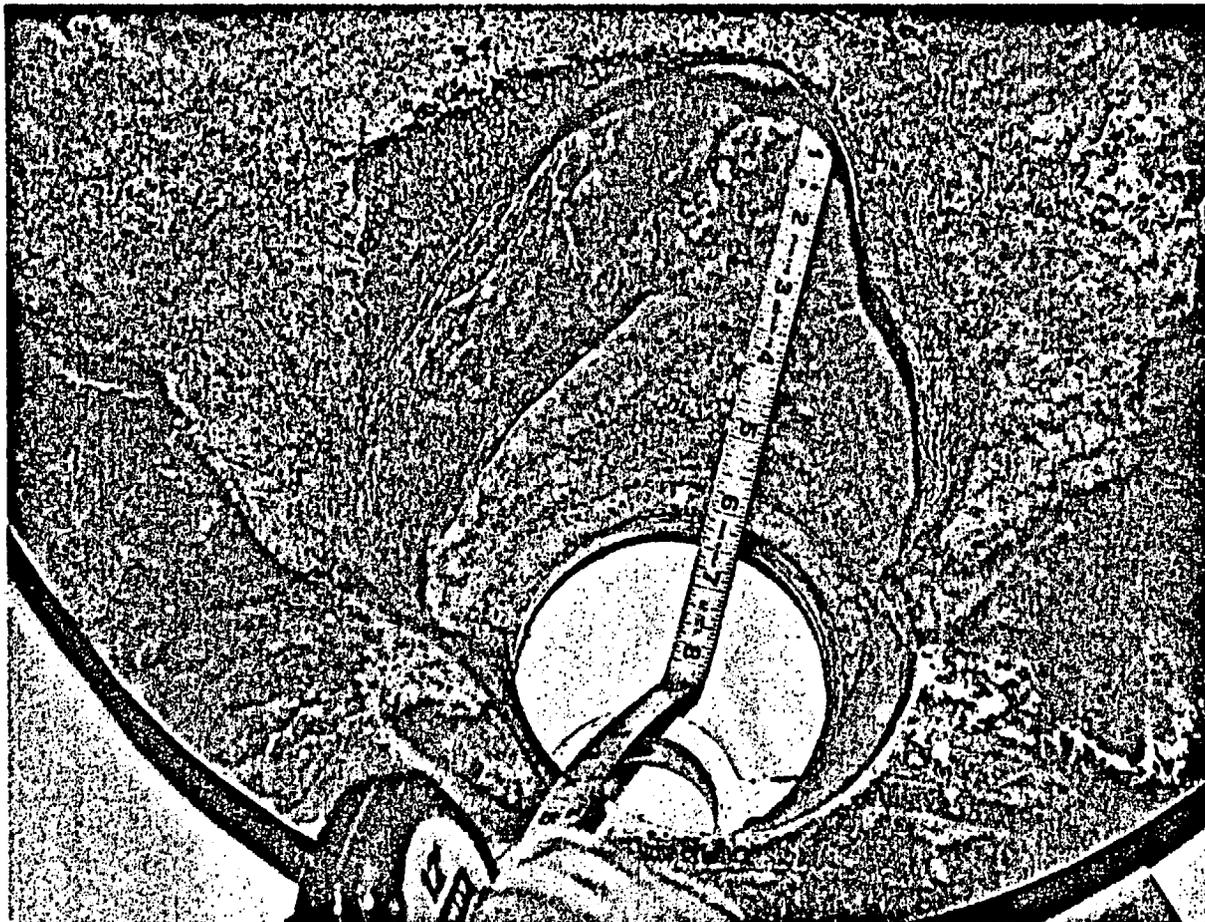
Magnification: $6''/3.82'' = 1.57X$
Area of photo: $(6'')(1.57) \times (4.5'')(1.57X) = 66.55 \text{ in}^2$



Area fraction of exposed cladding: 25.95% (by image analysis software)
Area of exposed cladding: $(66.55 \text{ in}^2)(.2595) = 17.27 \text{ in}^2$

Top View – Damaged CRDM Opening

0°



180°



BWXT Services, Inc.