



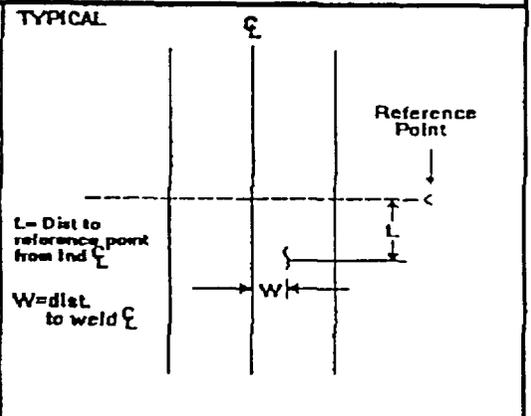
**FRAMATOME ANP**

**LIQUID PENETRANT EXAMINATION**

Customer <b>FENOC DAVIS-BESSE</b>		Exam Date * <b>03/24/02</b>	Figure/Summary No. <b>DB-5</b>
System/Component ID <b>CRDM WELD</b>		Nominal Thickness <b>N/A</b>	
Component Description: <b>CRDM NOZZLE-46, J-GROOVE WELD</b>			
Stage of Fabrication (End Prep, Repair, Root, In Process, Final): <b>FINAL</b>		ISO/Drawing No <b>5015339E-1</b>	
Surface (ISI Prep, As Welded, Ground, Other) <b>OTHER (See remarks)</b>		Procedure No.. <b>54-ISI-240-40</b>	Temperature (F) <b>69.0</b>
M&TE No. (Thermometer). <b>VH-8084</b>	Calibration Due Date <b>04/10/02</b>	Exam Area / Figure. <b>N/A</b>	
M&TE No. (Black Light Meter) <b>N/A</b>	Calibration Due Date <b>N/A</b>	Black Light Intensity $\mu\text{W}/\text{CM}^2$ <b>N/A</b>	
Cleaner Batch <b>01E02K</b>	Type <b>SKC-S</b>	Manufacture. <b>MAGNAFLUX</b>	
Penetrant Batch <b>OOL07K</b>	Type <b>SKL-SP</b>	Manufacture <b>MAGNAFLUX</b>	
Developer Batch: <b>00J12K</b>	Type. <b>SKD-S2</b>	Manufacture <b>MAGNAFLUX</b>	

**EXAMINATION DATA**

RESULTS: <b>No Recordable Indication</b>			LIMITATIONS: <b>NO</b>	
IND #	Ref Point Location	Size	Location L      W	Orientation to Weld



**Remarks/Sketch (If necessary)**

No Recordable Indications noted for the penetrant examination of the J-Groove Weld region of CRDM Nozzle 46. This examination was performed on the CRDM J-Groove weld region, surrounding cladding and the nozzle.

The penetrant examination area was the J-Groove weld region extending approx. 3.0-inches radially from the O.D. of the nozzle and 360 degrees around the nozzle including approx. 2.0-inches on the O.D. surface of the nozzle from the I.D. surface of the RV head.

See the attached sketch/picture depicting non-recordable rounded indications.

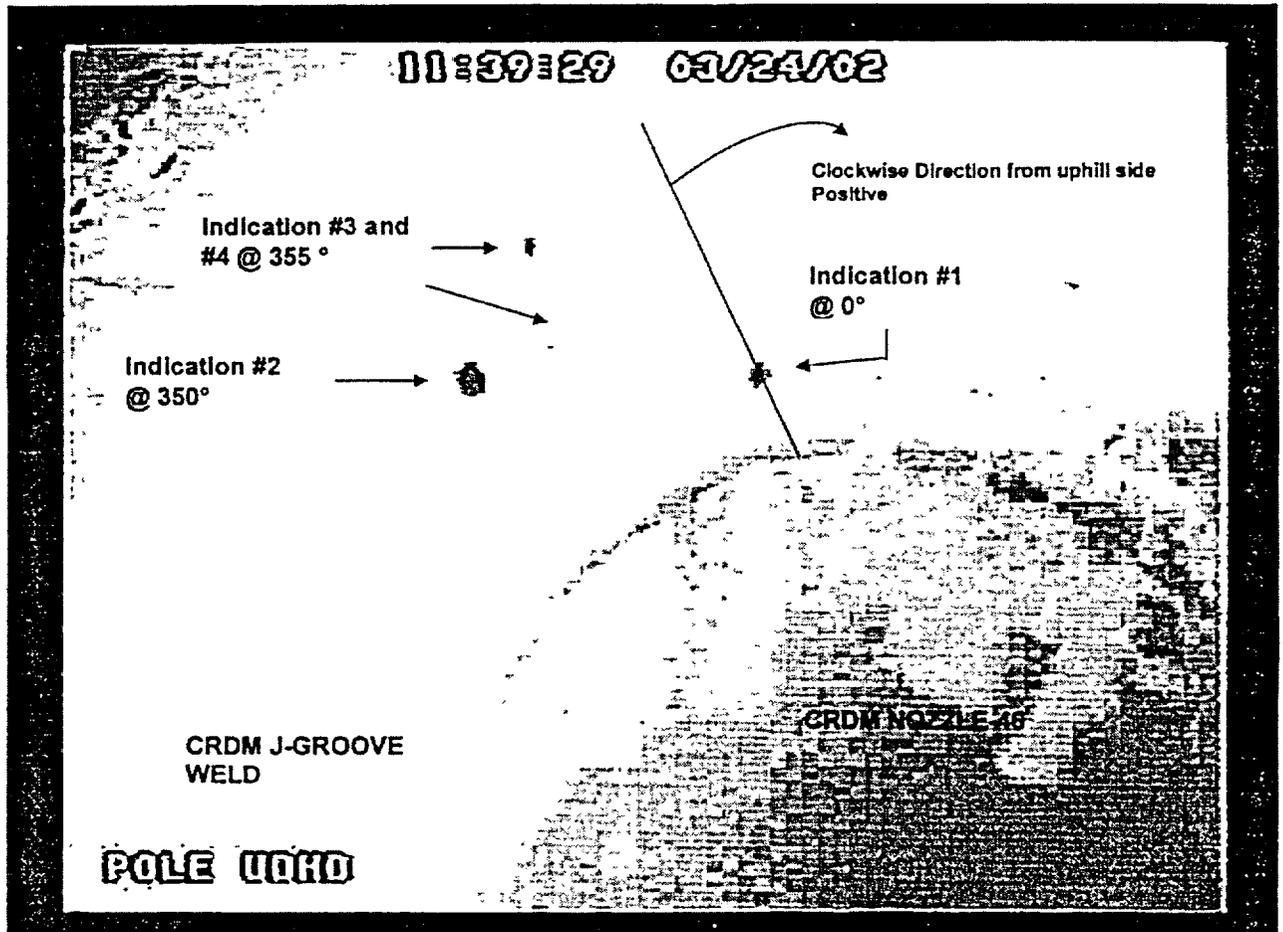
The nozzle and weld region was flapped prior to the penetrant examination. Contract No 1220850

This penetrant examination was performed as an informational examination.

Examiner: <i>Dwight Woodyard</i> <i>Dwight Woodyard</i>	Level II	Date <b>03/24/02</b>	Examiner: <b>N/A</b>	Level	Date
Reviewed: <b>Danny J. Langefeld</b> <i>Danny J. Langefeld</i>	Level II	Date <b>03/24/02</b>	ANII Review		Date
Customer:		Date	ER No: <b>N/A</b>		

B/110

**DAVIS-BESSE 13 RFO  
CRDM NOZZLE-46  
ROUNDED PT INDICATIONS IN J-GROOVE WELD REGION**

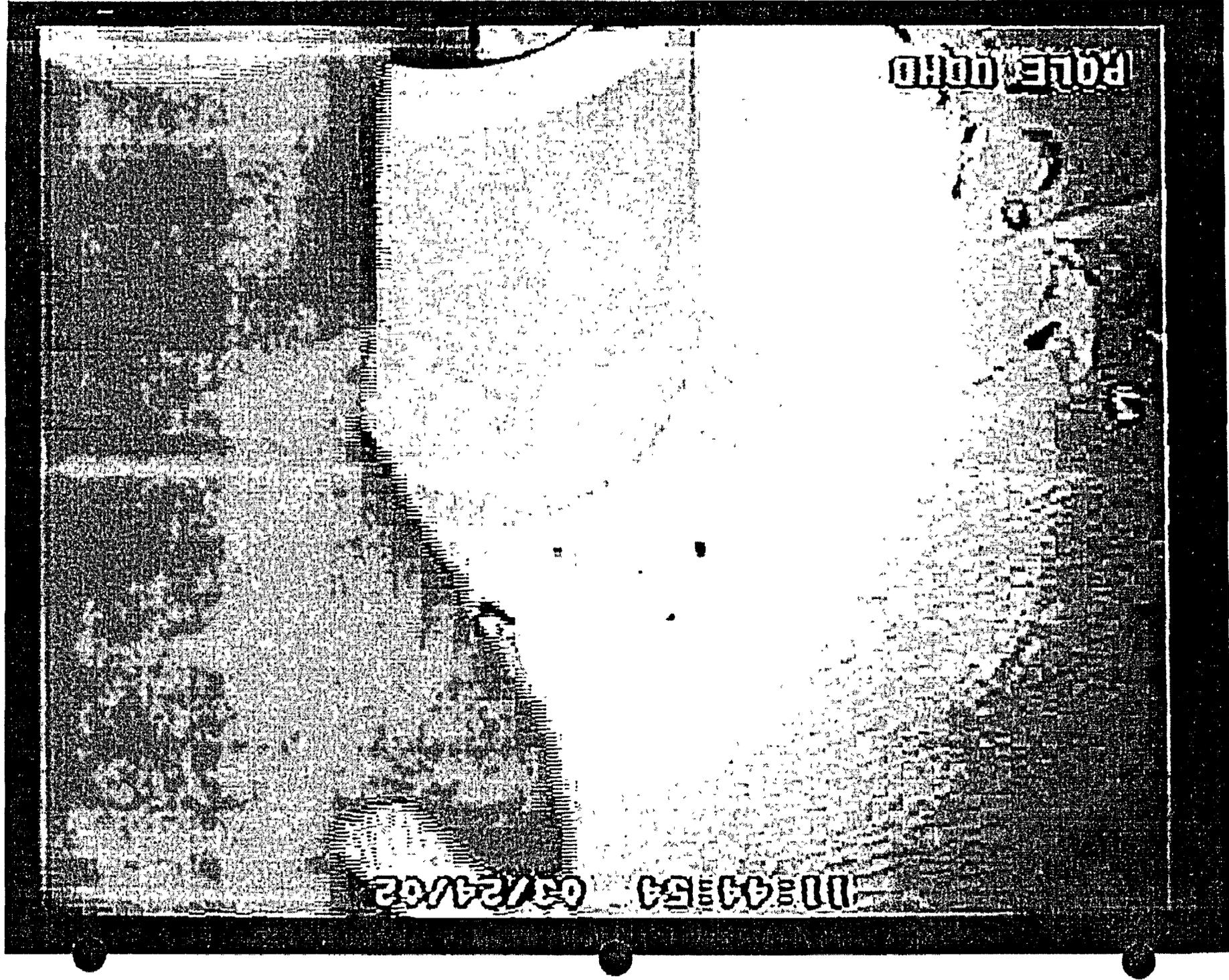


INDICATION	SIZE	RADIAL DISTANCE FROM NOZZLE O.D.	LOCATION AROUND NOZZLE
1	1/16" Diameter	1/4"	0°
2	1/8" Diameter	7/8"	350°
3	1/16" Diameter	1-1/4"	355°
4	1/16" Diameter	3/4"	355°

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POLE POHO

011-43-08 03/24/02

ROLE UDHO