



Nuclear & Environmental Operations

Davis Besse Reactor Vessel Head Examination



BWXT Services, Inc.

Preliminary Work Scope

- As-Received Visual Inspections/Create Mold of Cavity
- Develop & Approve Sectioning Plan
- Cladding Thickness Measurements
- Develop Plan for Additional Sectioning
- Detailed Visual Inspections, Metallography, SEM/EDS
- Optional Items, If Needed (PT, Tensile Testing, Auger)



Top View – Davis Besse Reactor Vessel Head Area of Interest



90°

0°

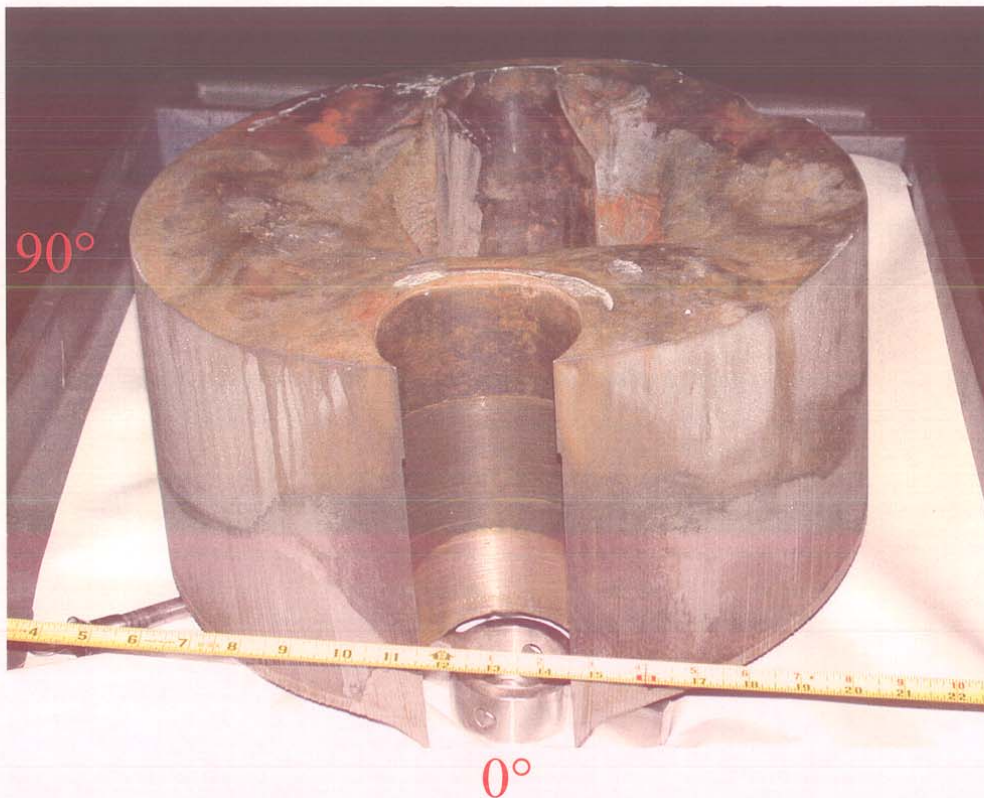


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Side View – Damaged CRDM Opening



Side View – Intact CRDM Opening



Angled View – Damaged CRDM Opening

180°



90°



BWXT Services, Inc.

Angled View – Damaged CRDM Opening

270°



180°



Angled View – Damaged CRDM Opening

180°



90°



BWXT Services, Inc.

Angled View – Damaged CRDM Opening



180°

270°

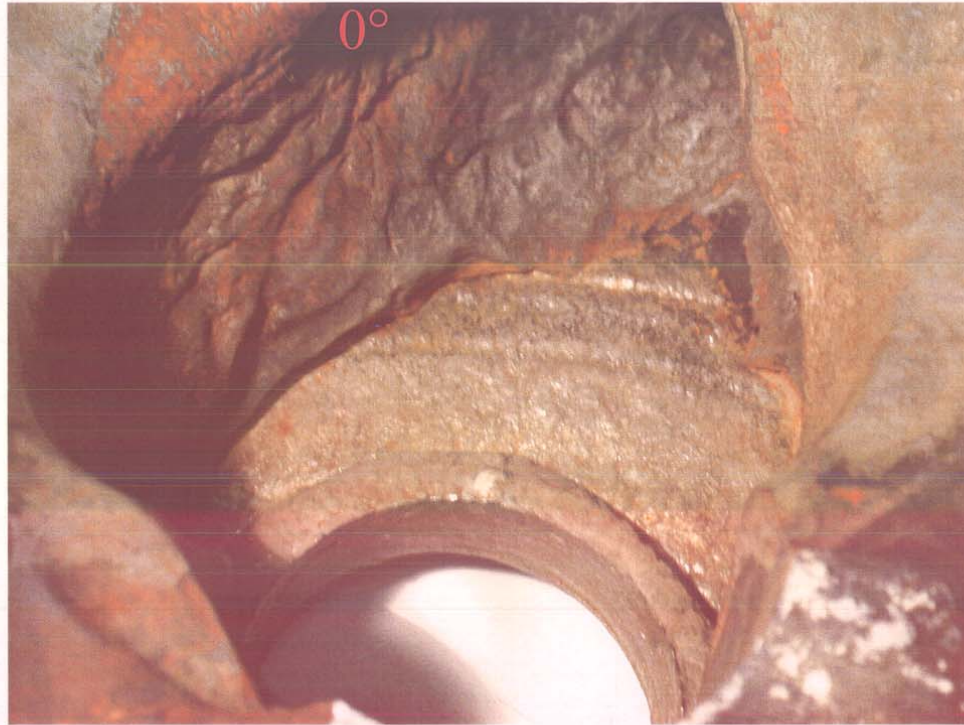


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Top Half – Damaged CRDM Opening



Bottom Half – Damaged CRDM Opening Close-up



180°



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Top View – Damaged CRDM Opening

0°



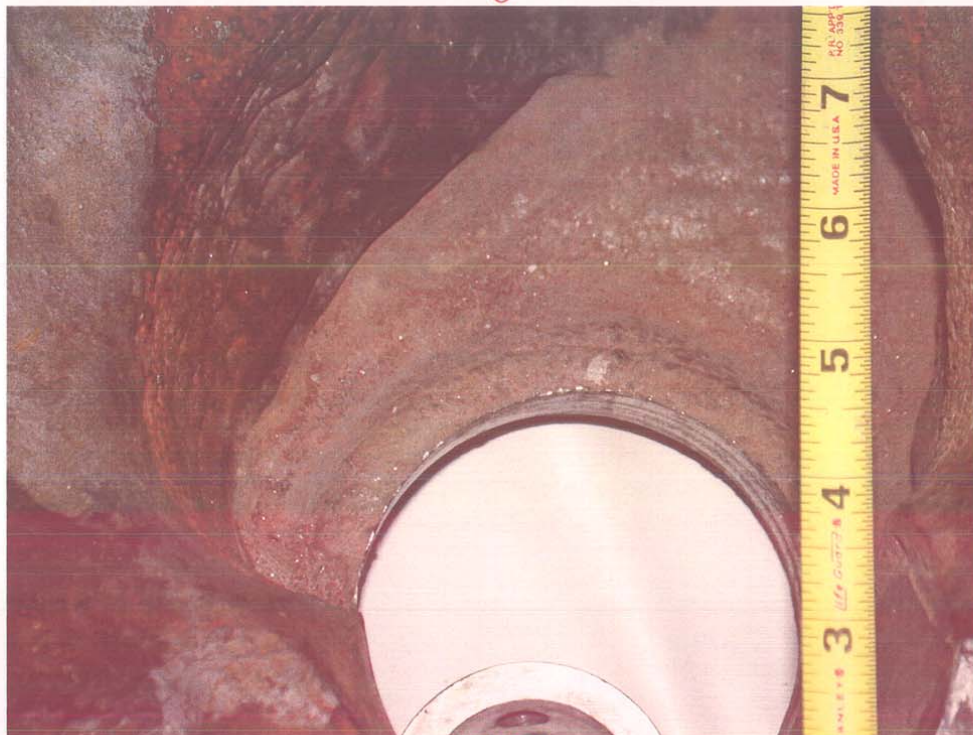
180°



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Top View – Damaged CRDM Opening

0°



180°



Proposed Initial Cuts (for reference only)

0°



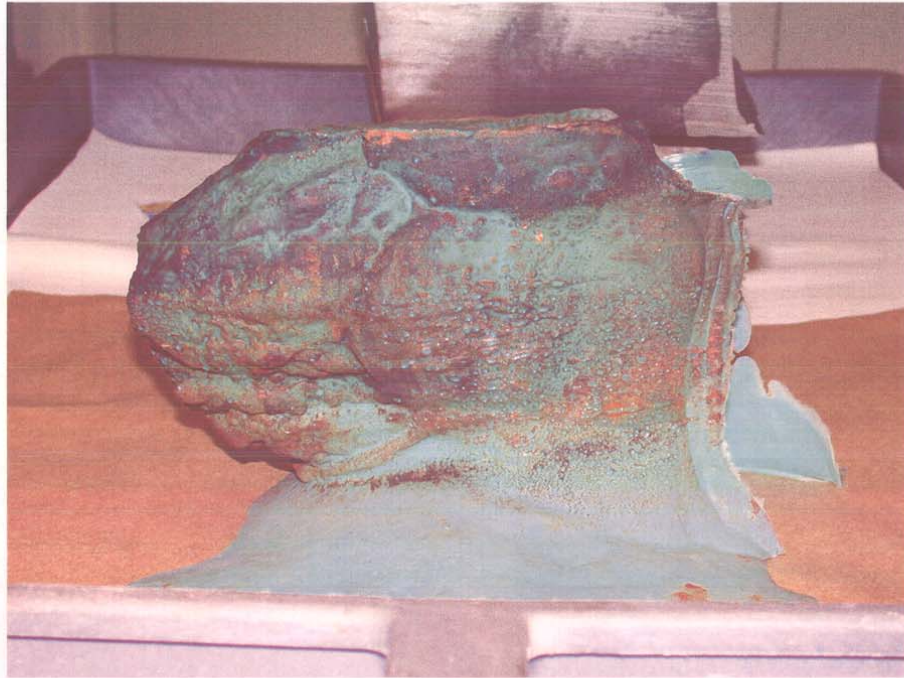
180°



Mold Preparation



Mold of Cavity



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Mold of Cavity

