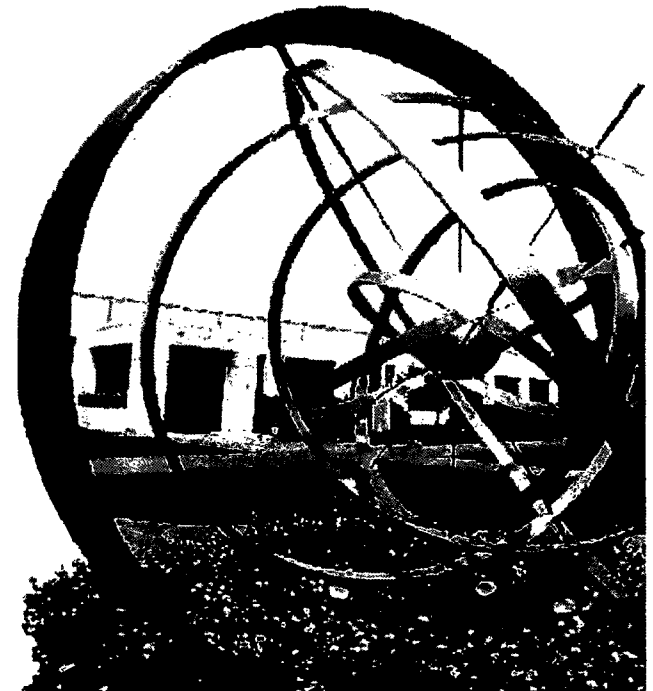




ECCS Suction Strainers ZOI Adjustment for Air Jet Testing Issue No. 7

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Source Term Vice Chairman

NRC / BWROG Program Update
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ZOI Adjustment for Air Jet Testing Issue Overview

BWR debris generation Zones of Influence (ZOI) are based on debris generation tests conducted with air as a test fluid

The NRC Staff has a concern air jet tests may not be conservative in defining debris damage ZOIs because of Ontario Power tests and of potential for solid liquid jets when there is large amount of subcooling

Resolution Strategy - Summary

1. Steam breaks – already conservative by URG
2. Liquid breaks – URG already includes a measure of conservatism, which is even more conservative than steam breaks
3. Subcooled liquid breaks – large amounts of subcooling are not relevant for BWRs

ZOI Adjustment for Air Jet Testing

Air Jet Testing Issue History

August 2010: BWROG meeting with NRC to discuss plan and position

October 15, 2010: BWROG submitted paper to NRC providing position that 40% reduction in debris damage pressures should not be applied to BWRs

November 17, 2010: NRC asked for further technical justification

April 7, 2011 : BWROG submitted supplemental paper to NRC on BWR recirculation line operating conditions

Requested NRC actions

Awaiting formal statement from NRC that 40% reduction in damage pressure does not need to be applied to BWRs