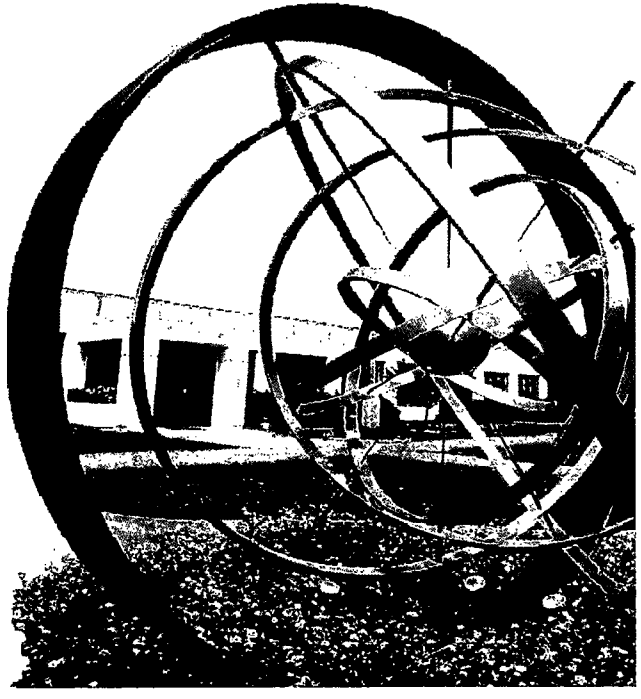
# Boron Precipitation Issue

Steve Scammon (ENW)
ECCS Suction Strainers Committee
Committee Chairman

NRC / BWROG Program Update
July 20, 2011
Rockville, MD



# Background

NRC Request for May 23, 2011 public meeting:

Please discuss the use of the Standby Liquid Control System during a LOCA to provide a buffering agent for the suppression pool water. Specifically, please discuss your evaluations regarding the following technical issues:

1. Radiochemical effects envisioned and their effect on the Source Term

2. Considerations for initiating SLC following a LOCA

3. Potential of Boron Precipitation blockage within the core

4. Potential interaction with LOCA debris and the effect on long term core cooling

# Background (cont.)

BWROG Executives addressed at the May 23, 2011 meeting with pledge to follow up later

Several meetings with experts across the BWROG between May and June

BWROG intends to answer as much as possible with existing ECCS program and work through Licensing committee for further response

BWROG will seek to understand more of NRC concerns at this 7/20/2011 meeting

# Scope of ECCS program

Chemical effects test will evaluate impact of boric acid buffer on pH

Effects of boron precipitation in the core is beyond the scope of current ECCS program investigations

# BWROG understanding of issue

Based on concentration of boron, this does not appear to be an issue for ECCS program

BWROG is interested in hearing NRC concerns in detail for better understanding