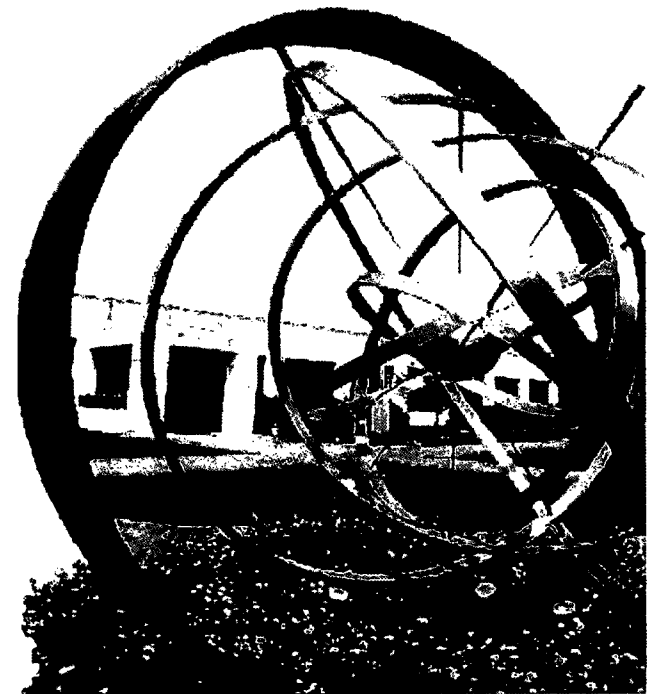




# ECSS Suction Strainers Chemical Effects Resolution Strategy Issue No. 4

Tony Borger  
ECSS Suction Strainers Committee  
Source Term Vice Chairman

NRC Presentation  
July 20, 2011  
Rockville, MD



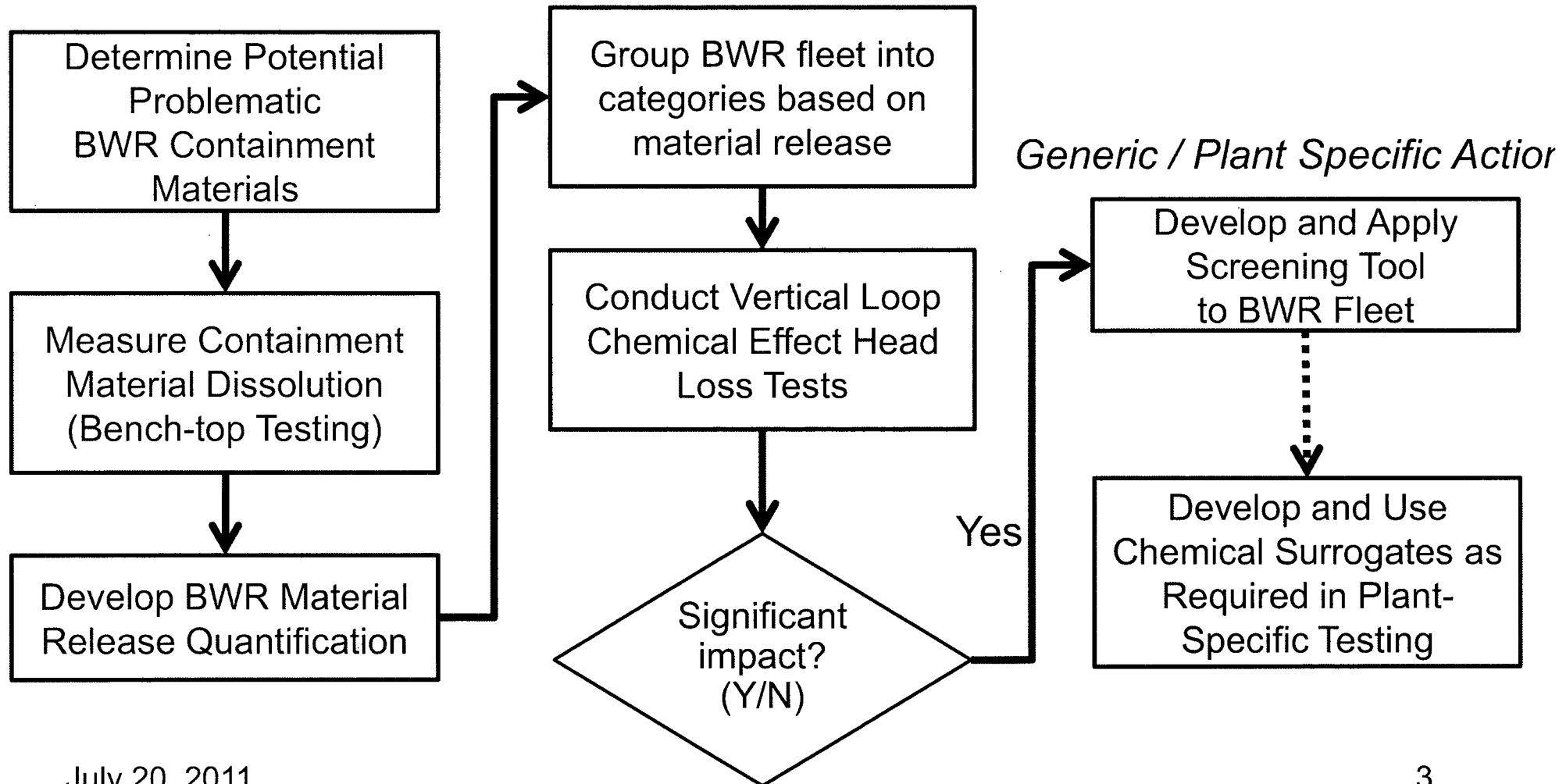
# BWR CE Resolution Strategy Phases

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- **Phase 1: Material Dissolution and Precipitate Formation Correlation Development**
- Phase 2: Head Loss Impact from Chemical Effects and Potential Surrogate Development

# Resolution Strategy Flowchart

**Phase 1: Material Dissolution** → **Phase 2: Chemical Precipitate Head Loss**  
*Generic Actions* *Generic Actions*



# Path Forward from Last Meeting

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Develop chemical effect strategy and outline for NRC review, 1Q 2011

Determine problematic containment materials based on BWR walkdowns, 3Q 2011

Submit material dissolution test plan, 4Q 2011

# BWR CE Resolution Strategy Status/Progress

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- BWR Chemical Effects Resolution Strategy document completed May 2011. To be submitted for NRC review September 2011.
- Reactive Material walkdowns completed.
- BWR Material Dissolution Test Plan to be completed and submitted to NRC December 2011 for review.

# Items to focus on for NRC review

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Similar philosophy to PWR approach

Headloss will be adjusted based on loop results as opposed to surrogates

SLC vs. non-SLC differences