



## MRP A600 ITG Butt Weld Working Group

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# A600 Butt Welds

- Background
- Scope of Program
- Related Activities
- Plan To Closure
- Schedule



# A600 Butt Welds

## Background

- MRP 44, Part 1 (TP1001491) Interim Safety Assessment...
  - Issued April, 2001
  - Interim Report
  - NRC Review Completed
- Final Report
  - Respond to NRC Comments and RAIs
  - Incorporate Additional Information
  - Updated Risk Assessment
  - Finalize Recommendations



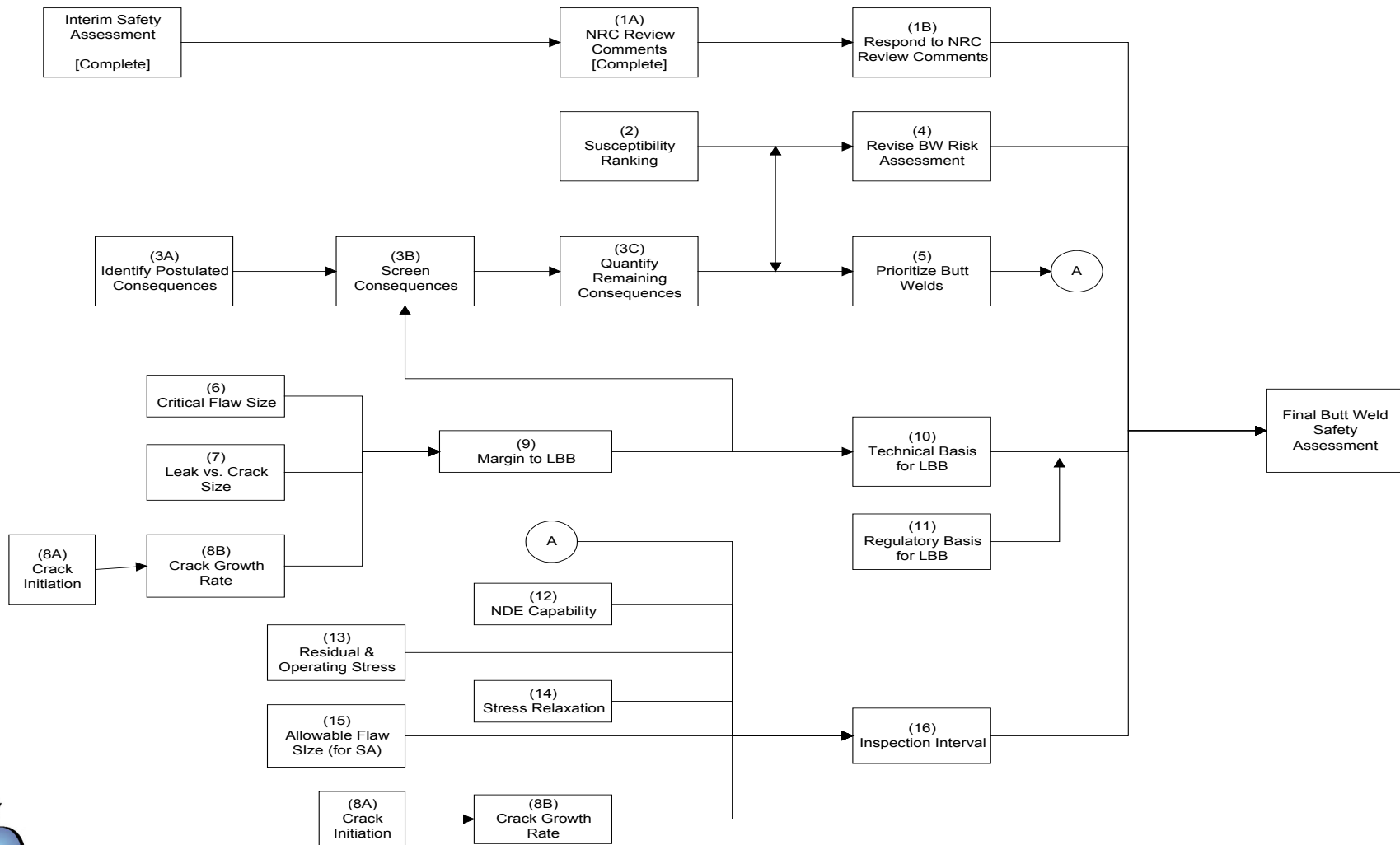
# A600 Butt Welds

## Scope of Program

- All Three PWR NSSS Designs
- All Pipe Sizes
- Design Configurations
- As Built Configurations (e.g. weld repair)
- Safety Assessment
  - Design Basis Conditions
  - Design Basis Loadings
  - Leak Before Break Assumptions
- Risk Assessment
  - Definition of failure
  - Probability of failure
  - Consequence of failure
  - Risk associated with failure
- Response to NRC Comments and RAIs



# A600 Butt Welds: Plan To Closure



# A600 Butt Welds

## Schedule

- Final Report
  - Basis for very low risk of pipe rupture as a result of PWSCC in 82/182 welds in primary system applications
  - If leakage occurs, high probability that it will be detected by normal plant equipment long before failure.
  - Beginning of 2<sup>nd</sup> quarter, 2004

