

# **Weld Residual Stress Finite Element Analysis Validation NUREG-2228 Update**

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# NUREG-2228 Timeline



- 09/13/2018 Official publication and FRN announcement and request for comments
- 11/13/2018 End of public comment period
- 11/21/2018 8 sets of comments, 55 comments in total, received by RES
- 01/03/2019 Comments compiled and grouped by RES
- Status as of May 2019: RES has begun analyzing the content of the comments and responding to individual comments
  - 4-month delay due to staff availability and competing priorities
- Comment resolution and updated draft NUREG-2228 expected by end of July 2019

# Public Comments Summary

- Common themes:
  - Choice of hardening law (isotropic vs. kinematic vs. average)
  - Modeling procedures and results
  - WRS validation criteria
  - Choice of validation benchmark
  - Treatment of experimental data: variability and uncertainty, WRS measurements
  - Future research efforts