# Pressurization Ramp Rate

SGTF / NRC

April 26, 2001

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ATTACHMENT 7

# Background

- Testing of simulated flaws for ANO indicated an effect of pressure ramp rate and hold time on burst pressure
- Industry initiated a study of the effect
  - Review of industry analytical models and data bases indicate no significant effect
  - When the effect could not be discounted(e.g., long, deep cracks), industry guidance was developed to control ramp rates and hold times
- Follow up testing recommended in the industry study was recently performed

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# Follow Up Testing Preliminary Results

- TVA performed testing on additional type 14 specimens
  - Results indicate that the effects are due to foil, not pressurization rate
- Initial ANO results on Type 14 specimens compared slow tests without foil versus fast tests with foil

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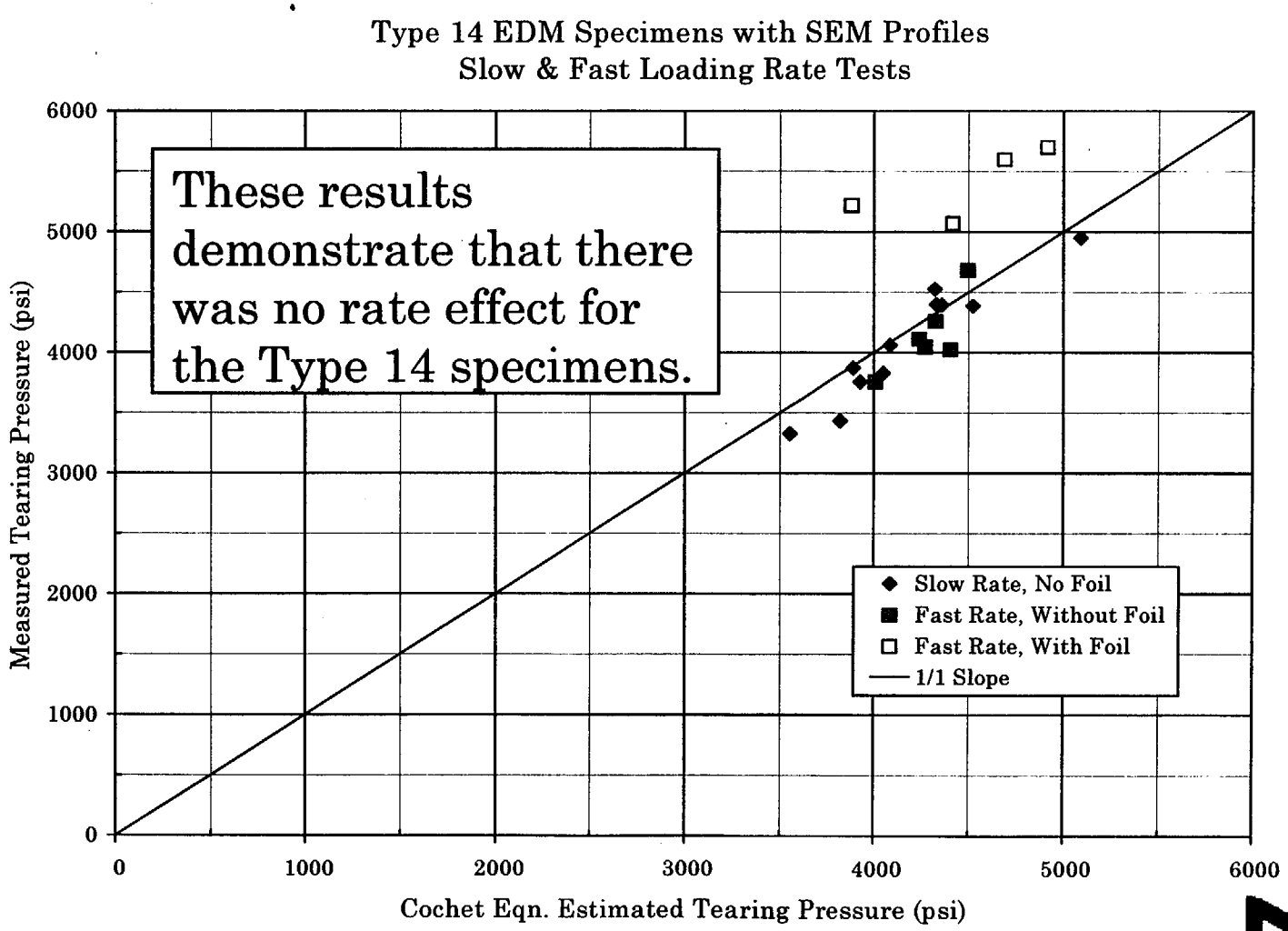
# Comparison of Measured to Predicted



# Follow Up Testing Preliminary Results

- Current In Situ test procedures are not affected (no one uses foil)
- Updating the industry study to include test results
- Expect to be ready for presentation this summer

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