

SCHEDULING NOTE

Title: **BRIEFING ON STEAM GENERATOR TUBE DEGRADATION (Public)**

Purpose: To provide the Commission with information on steam generator operating experience and regulatory oversight.

Scheduled: **February 7, 2013
1:00 pm**

Duration: Approx. 3 hours and 45 minutes

Location: Commissioners' Conference Room, 1st floor OWFN

Participants: **Presentation**

NRC Staff Panel **45 mins.***

Bill Borchardt, Executive Director for Operations

Eric Leeds, Director, Nuclear Reactor Regulation (NRR)

Ken Karwoski, Senior Level Advisor, NRR Steam Generators and Material Inspection

Chris Jackson, Branch Chief, NRR Reactor Systems Branch

Topics:

- Oversight of licensee steam generator programs
- Recently observed degradation mechanisms (including San Onofre replacement steam generators and results of tests and inspections)
- Design basis accident and operating experience

Commission Q & A **50 mins.**

Break **5 mins.**

External Panel **70 mins.***

Jim Benson, Program Manager, Electric Power Research Institute (EPRI) Steam Generator Management Program **10 mins.***

Topics:

- Overview and analysis of historical degradation mechanisms
- Overview of EPRI Steam Generator Management Program

Vendors

Hitoshi Kaguchi, Ph.D., P.E., Project Director, Nuclear Plant Production Division, Mitsubishi Heavy Industries, Ltd. **10 mins.***

Jeff Fleck, Manager, Nuclear Steam Supply System (NSSS) 10 mins.*
Mechanical Engineering, Engineering and Projects, AREVA, Inc.

Damian Testa, Product Manager, Steam Generator Management and 10 mins.*
Modification Programs, Westinghouse Electric Company

Topic:

- Steam generator domestic and international operating experience focused on tube vibration and wear

Pete Dietrich, Senior Vice President and Chief Nuclear Officer, 10 mins.*
Southern California Edison

Topic:

- San Onofre operating experience with degraded steam generator tubes

Michel Pettigrew, Adjunct Professor, Ecole Polytechnique, Montreal, 10 mins.*
Principal Research Engineer (Emeritus), Atomic Energy of Canada Limited
(AECL) Chalk River, and Consultant to Southern California Edison

Topic:

- Steam generator experience focused on tube vibration

Daniel Hirsch, President, Committee to Bridge the Gap and Lecturer, 10 mins.*
University of California at Santa Cruz

Topic:

- Non-Governmental Organization perspective on steam generator regulatory oversight [Note: Author of a report, *Far Outside the Norm: The San Onofre Nuclear Plant's Steam Generator Problems in the Context of the National Experience with Replacement Steam Generators*, issued 9/10/12]

Commission Q & A 50 mins.

Discussion – Wrap-up 5 mins.

*For presentation only and does not include time for Commission Q & A's.