



**GE Nuclear Energy**

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MFN 029-96  
Docket 52-004

Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington DC 20555

Attention: Theodore E. Quay, Director  
Standardization Project Directorate

Subject: **SBWR - NRC Site Visits to PANDA, ANSALDO and Dodewaard**

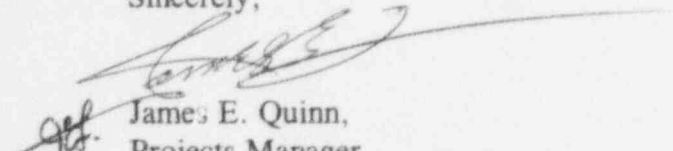
Reference: 1. Letter, D. C. Scaletti (NRC) to J. E. Quinn (GE), CONFIRMATION OF NUCLEAR REGULATORY COMMISSION INSPECTION REGARDING THE SIMPLIFIED BOILING WATER REACTOR (SBWR) TESTING ACTIVITIES AT THE PANDA TEST FACILITY, dated February 20, 1996.

We have received the Reference letter. However, based upon subsequent telecons (see Att. 1) the scope of the PANDA (Switzerland) Inspection has been narrowed. We have also (2/23/96) received a detailed agenda for this inspection. We continue to be concerned with the NRC staffing size (6) for this inspection, however, we are proceeding with all preparations, including the Technical meeting on 3/8/96.

With respect to the ANSALDO (Italy) visit, although we have discussed this trip numerous times, we are still concerned with the need for and numbers of attendees (see att. 2 for more details). We believe the PANTHERS QA audit issues are closed, and the records pertaining to closure of the only "open" item are at GENE in San Jose.

With regards to the Dodewaard (Netherlands) visit, plant startup was most recently discussed at the ACRS Thermal Hydraulic Phenomenon Subcommittee meeting held with the NRC Staff in attendance, November 29, 1995; there were no open issues from that presentation as documented in the transcript of the meeting. The TAPD does make reference to three Dodewaard reports (out of over 80 references) which can be obtained by contacting GKN by telephone and talking to the responsible individuals.

Sincerely,

  
James E. Quinn,  
Projects Manager

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- Attachment:
1. Memo, J. E. Leatherman (GE) to D.C. Scaletti (NRC), CONFIRMATION TO NRC REGARDING SCOPE OF INSPECTION, dated February 22, 1996
  2. Memo, J. E. Leatherman (GE) to S. Ninh (NRC), ANSALDO MEETING AGENDA, GENOA, ITALY 3/11/96, dated February 23, 1996

cc: P. A. Boehnert (NRC/ACRS) (2 paper copies w/att. plus E-Mail w/att.)  
I. Cation (ACRS) (1 paper copy w/att. plus E-Mail w/att.)  
S. Q. Ninh (NRC) (1 paper copies w/att. plus E-Mail w/att.)  
D. C. Scaletti (NRC) (1 paper copy w/att. plus E-Mail w/att.)



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bcc: (E-Mail w/att. except as noted)

- R. Asamoto
- N. E. Barclay
- J. A. Beard
- P. F. Billig
- R. H. Buchholz
- T. Cook (DoE) (2 paper copies w/att. plus E-Mail w/att.)
- J. D. Duncan
- R. T. Fernandez (EPRI)
- J. R. Fitch
- J. N. Fox
- P. C. Hecht
- J. E. Leatherman
- J. E. Quinn
- T. J. Mulford (EPRI) (2 paper copies w/att. plus E-Mail w/att.)
- P. E. Novak
- F. A. Ross (DoE) (2 paper copies w/att. plus E-Mail w/att.)
- B. Shiralkar
- R. Srinivasan (EPRI)
- J. E. Torbeck
- GE Master File M/C 747 (1 paper copy w/att. plus E-Mail w/att.)
- SBWR Project File (1 paper copy w/att. plus E-Mail w/att.)

**Leatherman John E.**

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**From:** Leatherman John E.  
**To:** 'Scaletti, Dino (NRC FAX)'; Scaletti, Dino (NRC)  
**Cc:** McIntyre, Rich (NRC FAX); Ninh, Son (NRC FAX); Quinn James E.; Barclay Norman E.; Fox Jack N.; Leatherman John E.; Wingate Gordon A.; Torbeck John E.; McIntyre, Rich (NRC); 'Ninh, Son (NRC SBWR Proj)'  
**Subject:** Confirmation to NRC regarding scope of inspection  
**Date:** Thursday, February 22, 1996 5:12PM

Dino,

This memo is written to document discussions between John Torbeck (GE), Norm Barclay (GE), & Rich McIntyre (NRC) which further defined the scope of the upcoming PANDA audit as follows:

Subject: PANDA QA Audit Scope

In a telecon, on 2/21/96 from N. Barclay, P. Billig and J. Torbeck of GE to Richard McIntyre of the NRC, it was agreed that the scope of the inspection would not be as stated in your letter of 2/20/96 to James E. Quinn. The design, procurement and construction of the facility at PSI will not be included in the inspection except as covered under the PANDA Quality Plan established by GE-NE in January of 1995.

The scope would be the implementation of the PANDA Quality Plan beginning on January 31, 1995.

Regards, John

**Leatherman John E.**

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**From:** Leatherman John E.  
**To:** Ninh, Son (NRC FAX); 'Ninh, Son (NRC)'  
**Cc:** Levin Alan (NRC FAX); McIntyre, Rich (NRC FAX); 'Scaletti, Dino (NRC FAX)'; Quinn James E.; Barclay Norman E.; Billig Paul F.; Buchholz Robert H.; Leatherman John E.; Shiralkar Bharat S.; Torbeck John E.; Levin Alan (NRC); Scaletti, Dino (NRC); McIntyre, Rich (NRC)  
**Subject:** ANSALDO MEETING AGENDA, GENOA, ITALY 3/11/96  
**Date:** Friday, February 23, 1996 11:36AM

At the Tuesday morning Testing phonecalls 2/13 & 2/20/96 we discussed the need for the subject meeting and its duration. We understood that we had reached consensus that the goal was to accomplish the meeting in one day, March 11, 1996, but that if necessary, additional follow-up discussions would be held March 12. Your just received Agenda topics shows a Tuesday reference agenda. We still feel, and understand that Westinghouse agrees, that the general meeting and AP600 sessions could be accomplished in the morning and any AP600 spill-over and SBWR sessions could be handled in the afternoon. We would suggest the following reference agenda:

- 0830 - Discussions of overall interfaces between Ansaldo and GENE & Westinghouse related to QA for design certification
- 1030 - AP600 specific discussions:
  - QA Process on Design and Construction of Modifications to VAPORE Facility for AP600 Phase A & B Testing
  - Process for Development of As-Built Drawings
  - QA Interface for Other Activities Related to AP600 (as applicable) (e.g., RELAP Calculations on SPES-2 & Post-Test Data Analysis)
- 1230 LUNCH
- 1330 - W-spillover
- 1400 - SBWR specific Discussions:
  - QA Process on Design & Fabrication of PANTHERS Heat Exchangers

We also stated in the 2/20 telecon that the IC leakage was being addressed by the design team as part of the normal design & component qualification efforts. Since these are not part of the current Technology Phase licensing review and are still in progress, we do not feel they should be included in the agenda. The IC performance data has been obtained and is being processed as per the TAPD.

We wish to reiterate that the initial PANTHERS QA audit question has been closed in our opinion, and that the need for this ANSALDO site visit for SBWR is not clear. The only "open" aspect is GE's oversight of ANSALDO, and those records are at GE in San Jose.

Please revise your agenda accordingly,  
Thanks, John