

- CSP-IS-22240, "Indoctrination, Training and Qualification of Calibration Personnel for Pressure Gage, Temperature Measuring and Industrial Electric Measuring Equipment," Revision 18, dated March 12, 2009.
- CSP-IS-90001, "Training, Qualification and Certification of Nondestructive Examination Personnel," Revision 38, dated December 28, 2008.
- CSP-IS-90006, "Training, Qualification and Certification of Inspection and Test Personnel," Revision 32, dated June 3, 2009.
- CSP-IS-90011, "Training, Qualification and Certification of Quality Assurance Personnel, Audit Personnel, and Receiving Inspection Personnel for Welding Material," Revision 32, dated April 8, 2008.
- CSP-IS-90012, "Indoctrination, Training and Qualification Program for Personnel Performing Activities Affecting Quality in Fabrication of Nuclear Products," Revision 28, dated May 7, 2009.

b. Observations and Findings

Section 2.2 of JSW's QAM described the requirements for training, qualification, and certification of personnel, including auditors, quality assurance, NDE, inspection, and testing personnel.

CSP-IS-90012 provided the guidance to perform training, qualification, and certification; identifies the personnel to be trained, qualified and/or certified; and the activities for which training was required. CSP-IS-90012 also made reference to other procedures that detail the training, qualification, and certification of personnel performing activities affecting quality.

CSP-IS-22240 established training and qualification requirements for calibration personnel for pressure gages and temperature measuring equipment.

CSP-IS-90001 established training and qualification requirements for NDE personnel in accordance with the American Society for Nondestructive Testing Standard ASTM-TC-1A, 2006 Edition or later.

CSP-IS-90006 established training and qualification requirements for inspection and testing personnel in the following areas: dimensional inspection, chemical analysis, and mechanical, metallographic and hydrostatic testing.

The NRC inspectors examined a sample of training and qualification records for of the following personnel: <sup>QA personnel;</sup> lead auditors; auditors; calibration technicians; NDE; inspection; and testing. The NRC inspectors verified that all personnel performing activities affecting quality had completed the required training and met all the specified requirements in accordance with the applicable procedural requirements. During the review of the training records, the NRC inspectors identified that the Quality Control Group (QCG) manager's signature in the Annual Evaluation form was missing for one of the ~~lead auditors~~. After discussing this issue with the QCG manager, the manager initiated a nonconformance report to evaluate the extent of condition and address the issue. Upon further investigation, the QCG manager provided the NRC inspectors

QA personnel

with documentation that showed that the ~~lead auditor~~ had actually participated in the training required for requalification, but that he failed to sign his training record. By the inspections end, the QCG manager had signed the training record for that ~~auditor~~.

c. Conclusions

QA personnel

The NRC inspectors concluded that JSW's program requirements for training and qualification of personnel performing activities affecting quality were consistent with the regulatory requirements of Criterion II of Appendix B to 10 CFR Part 50. Based on the limited sample of training and qualification records reviewed, the NRC inspectors also determined that JSW's QAM and associated training and qualification procedures were being effectively implemented. The NRC inspectors did not identify any issues in this area.

8. Entrance and Exit Meetings

On July 8, 2009, the NRC inspectors presented the inspection scope during an entrance meeting with JSW Director, Etsuo Murai-san, and other JSW personnel.

On July 10, 2009, the NRC inspectors presented the inspection results during an exit meeting with JSW General Plant Manager and QA Manager, Junichi Taira-san, and other JSW personnel.

See Attachment 1 for a list of attendees for the entrance and exit meetings.