

Post-Mission Quick Look and Final Report

- Travel Dates: July 10 to 19, 2008
- Travelers: Marcus H. Voth and William B. Kennedy
- Location: Hanoi, Vietnam
- Organization: IAEA Regional Workshop on the Periodic Safety Review of Research Reactors: Evaluation of the Operating Experience and Review of Safety Documents
- Desired Outcome: To share desirable experiences with research reactor operating organizations and regulators from developing countries and to monitor and learn of their experiences.
- Results Achieved: The USNRC representatives made the following presentations:
- Overview of US Research Reactor Characteristics and Recent Operating Experience - Marcus H. Voth
 - Licensing of US Research Reactors - William B. Kennedy
 - Requirements for Review of Changes of Safety Significance at US Research Reactors - Marcus H. Voth
 - Periodic Safety Review of US Research Reactors; License Renewal - William B. Kennedy
 - Safety Analysis Methods used for US Research Reactors - William B. Kennedy
 - US Research Reactor Operating Experience and Sharing of Lessons Learned - Marcus H. Voth
 - Preparation and Review of Safety Documents for US Research Reactors - William B. Kennedy
- The presentations showed a functional example of the integrated process of an initial license application, periodic license amendments, license renewal applications, analyses and reporting of changes made under 10 CFR 50.59, and facility inspections of the change process in the U.S. meeting the objectives of a periodic safety review, both in terms of the regulatory requirements and application of the regulations by licensees.
- Summary of Trip: In addition to the USNRC presentations cited above, IAEA Member State representatives from six Asian region States (Indonesia, Japan, Korea, Malaysia, Thailand, and Vietnam) made nine presentations on the status of establishing regulatory requirements and experience in performing periodic safety reviews in their respective countries. IAEA representatives made presentations on the existing and emerging international standards related to periodic safety reviews.
- All workshop participants appeared interested and knowledgeable in the subject matter and prepared to consider the USNRC practices when developing their regulatory requirements regarding periodic safety reviews. The interest in developing a comprehensive regulatory process

for research reactors is to prepare these countries for the ultimate regulation of a nuclear power reactor program.

Next Steps:

The workshop was intended to be a one-time, information sharing, instructional event. There are no direct follow-on actions anticipated. However, Vietnam regulatory personnel (VARANSAC) informally stated hopes for additional opportunities for technical information and training in nuclear safety resulting from the recent bilateral meetings between their respective leaders and President Bush and Chairman Klein.

Policy issues:

No policy issues were discussed during this workshop.