

International Nuclear Instructor Development Program in FY2009
“Reactor Plant Safety Course”
Autumn Course

1. Duration : November 9, 2009 ~ December 4, 2009

2. Countries and Participants : 8 countries / 10 participants

○China; 2 ○Indonesia; 2 ○Philippine, Sri Lanka, Vietnam, Bangladesh, Thailand, Malaysia; 1

3. Program: The program is composed of “Lecture”, “Practice”, “Facility Visit” and “Discussion”

◇ Lecture (20 lectures)

⇒ Lectures are put into five categories: “Basics of Reactor Plant Safety”, “ Technical Issues on Plant Safety”, “Safety Measures and Evaluation of Reactor Plants”, “Plant Operation Technology”, “Plant Maintenance Technology”.

◇ Practice (4 practices)

⇒ Nuclear Practice at UTR-KINKI Reactor, Monju Operator Training Simulator, Nondestructive Testing (NDT) Technology, Safe Handling of Reactor Coolant (Sodium).

◇ Facility Visit (10 facilities)

⇒ Fast Breeder Reactor; FBR “Monju”, Fugen Decommissioning Engineering Center, Nuclear Emergency Response Operations Facility, Fukui Prefecture Environmental Radiation Research and Monitoring Center, Wakasa Wan Energy Research Center, Ohi Power Station (Kansai Electric Power Co., Inc. ; KEPCO), Nuclear Power Plant; NPP Maintenance Training Center (KEPCO), Mihama Power Station (KEPCO), Nuclear Power Training Center (Nuclear Power Training Center, Ltd), Tsuruga Power Station (construction site of No. 3 and 4 reactors).

◇ Discussion (Country Report)

⇒ Discussion on “Strategy and Challenge of Nuclear Energy Development in my Country”

4. Outcome (Result of the questionnaire)

In the questionnaire conducted on the last day, eight participants out of ten evaluated the course as “very well” and one participant answered “well”. Six participants remarked the course is “very useful” for the following work and three of them answered “useful”. The result of the questionnaire shows the course was satisfying for every participant. The result also represents the strong attitude of Japan Atomic Energy Agency (JAEA) to implement the program with enhancement and improvement.

5. Lecture, Practice and Facility Visit



【Lecture】



【Discussion】



【FBR “Monju”】



【In-Service Inspection (ISI) Technology】



【Nuclear Emergency Response Operations Facility】



【Fugen Decommissioning Engineering Center】



【Nuclear Practice at UTR-KINKI Reactor】



【Monju Operator Training Simulator】