

International Nuclear Instructor Development Program in FY2010
“Reactor Plant Safety Course”
Winter Course

1. Duration: January 11, 2011 ~ February 4, 2011

2. Countries and Participants: 10 countries / 17 participants

○Malaysia; 3 ○Thailand; 3 ○Indonesia; 2 ○Kazakhstan; 2 ○Mongolia 2

○Philippine, China, Bangladesh, Sri Lanka, Vietnam; 1

*Mongolia (new)

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

◇Lecture (22 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), 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)

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

4. Outcome (Result of the questionnaire)

Winter course of Reactor Plant Safety Course (RPSC), the second series, in FY 2010 was conducted for four weeks with a record number of 17 participants according to the intension of MEXT. In the overall questionnaire, 16 participants out of 17 evaluated the RPSC as “very satisfactory” with 5 points, the highest score and one answered “satisfactory” with 4. We attribute this highly evaluated result to having been sufficiently able to meet participants’ expectations for the programs. In discussion in which participants talked about present situation of nuclear power development in their countries, in addition to reports from nine countries, Mongolia has introduced their efforts to introduce a nuclear power plant by the year of 2020.

5. Lecture, Practice and Facility Visit



【Lecture】



【Discussion】



**【Nuclear Practice
at UTR-KINKI Reactor】**



**【Monju Operator Training
Simulator】**



【FBR “Monju”】



**【Wakasa Wan Energy
Research Center】**