



# WIRYONO: INDONESIA

## Review and Assessment of Documents for Site Approval of Nuclear Power Plants.



Mr. Wiryono of Indonesia is currently training as an IAEA Fellow at the Pennsylvania State University, Department of Mechanical and Nuclear Engineering under the direction of Professor Kostadin Ivanov. His training program involves learning how to perform the review and assessment of documents for site approval of Nuclear Power Plants (NPPs). Back home, Mr. Wiryono works at the Nuclear Energy Regulatory Agency (BAPETEN), Directorate for Licensing of Nuclear Installations and Materials in Jakarta, Indonesia. This fellowship will be useful for the regulatory body of BAPETEN because it will enable them to prepare the regulations, procedures, and resources necessary to perform its regulation, licensing, and inspections while dealing with the development of

procedures for evaluating licensing documents for processing applications for early site permits. In the long term, it is expected that Mr. Wiryono's training program will improve the knowledge and experience of evaluating these permits, particularly in anticipation to build nuclear power plants in Indonesia.

In order to learn the requirements for review and assessment of the documents for site approval of NPPs, Mr. Wiryono will attend lectures and discussions about site location and description, exclusion area authority and control, population distribution, identification of potential hazards in site vicinity, evaluation of potential accidents, regional climatology, local meteorology, onsite meteorological measurements programs, and short-term dispersion estimates for accidental atmospheric. He will also visit a site that is dedicated to meteorological and hydrological data collection and perform a review and assessment of the documents for the site. Mr. Wiryono will also be participating in the evaluation of licensing documents related to site approval of NPPs. His training at the Pennsylvania State University includes hands-on training exercises on the evaluation of potential accidents using appropriate computer programs.

Upon return to Indonesia, Mr. Wiryono will be well trained on the review and assessment of the documents for site approval of NPPs, along with many other aspects of Nuclear Power Plant development and regulation procedures.

Trained 5/3/2010— 8/2/2010