

Regional Workshop on the Essential Knowledge of Site Evaluation Report for Nuclear Power Plants



Participants of the workshop with Director of Nuclear Installation, AELB; Mr. Mohd Pauzi Mohd Sobari and the IAEA's Expert

The Atomic Energy Licensing Board, under the framework of Asian Nuclear Safety Network (ANSN) of International Atomic Energy Agency (IAEA) successfully organized the Regional Workshop on the Essential Knowledge of Site Evaluation report, which took place on 26-30 August 2013 in Kuala Lumpur. Representing the IAEA, Mr. H. Mahmood expressed his sincere appreciation to Malaysia for being a closed partner in promoting the uses of global and harmonized IAEA standards and accepted international practice to ensure safe operational of nuclear installation, particularly in the site evaluation stage. Approximately 30 participants were invited from Bangladesh, Thailand, Vietnam, Philippines, Indonesia and Malaysia, together with five experts from the IAEA.

The workshop aimed to introduce the IAEA safety requirements in the preparation of Site Evaluation Report, as one of the pertinent supporting documentation in the Site License application. In addition to that, other countries case studies were highlighted and presented by the renowned experts invited from Austria, India and Turkey. During the workshop, the

participants had a good opportunity to discuss various issues related to Site Evaluation for Nuclear Installation, Seismological and Hydrological Hazards, Application of Management System for Site Evaluation, Meteorology, Radiological Dispersion and Feasibility of emergency plan. The participants from each country were also encouraged to present the status of development of their country's nuclear power plant (NPP) projects in respect of site evaluation activities, as well as the specific issues to be address in

order to obtain the site approval permit.

This workshop served as a good platform to the future national potential NPP operator and the AELB to identify the technical capabilities and skills to undertake site evaluation activities, while at the same time for AELB to evaluate the Site Evaluation Report and other supporting documents during the licensing process.



Discussion session during the workshop

International Training Course on Preventive and Protection Measures against Insider Threats at Nuclear Facilities



Group photo of the participants and IAEA's Expert

Over a thirty delegates from countries with existing nuclear installation (including research reactors) and embarking countries were invited to the International Training Course on Preventive and Protective Measures against Insider Threat at Nuclear Facilities on 30th September – 4th October 2013 at Kuala Lumpur. The 5-days workshop was

successfully hosted by AELB. The purpose of this workshop was to familiarize the delegates with nuclear security measures that address insider threats which led to unauthorized removal of nuclear materials (theft) and sabotage, as well as cyber security aspects at facilities containing nuclear material. The discussions with IAEA experts touched upon the basic concepts of nuclear security principles and objectives and IAEA requirements of Nuclear Security Series No. 8 with emphasis on identifying and categorizing insider threat. Various

past case studies related to theft and sabotage events was also presented. Based on the information presented, the course has introduced the main concepts that underline the evaluation of preventive and protective measures and explain how these measures should be applied to enhance nuclear security with regard to successfully combating the insider threats.

Workshop for Pre-Operational Inspection on ReDICS Project

Following the series of regulatory activities implemented under the AELB-KINS cooperation on Reactor Digital Instrumentation and Control (ReDICS) project, the workshop entitled “Workshop for Pre-Operational Inspection on REDICS Project” was held on 23 – 27 September 2013 at AELB Headquarters.

The main objective of the workshop was to understand the basic concept of the commissioning activities of the systems, structures and components with focusing on the digital instrumentation and control system. During the visit to Malaysia Nuclear Agency, the officers were guided by KINS experts in performing pre-operational inspection towards the installed ReDICS system.

Through this technical workshop, the IAEA Safety Requirements NS-R-4 “Safety of Research Reactor” and KINS practices were used as the basis for the preparation and execution of the commissioning stage pre-operational inspection. This process was crucial to ensure the

implementation of this upgrading project is in accordance with national legislation, IAEA safety requirements and others international accepted practices.



During the inspection session at Malaysia Nuclear Agency

National Workshop on the IAEA Self-Assessment for the Integrated Review of Infrastructure for Safety (Iris) based on the Specific Safety Guide No. 16 “Establishing The Safety Infrastructure For A Nuclear Power Programme”



Group photo of the workshop participants

On 16-18 December 2013, a national workshop on Integrated Review of Infrastructure for Safety (IRIS) was held in Malacca. The workshop was jointly organized by AELB and Malaysia Nuclear Power Corporation (MNPC) with the representing experts from IAEA, Ms. Maren-Scarlett Ihlau and Mr. Nasir Mughal. Approximately thirty

national participants from various local agencies have been invited to attend the workshop.

The main purpose of the workshop was to familiarize the participants with the IAEA recommendation in IAEA SSG-16 entitled “Establishing Safety Infrastructure for a Nuclear Power Programme” which underline essential elements that should to be considered in developing safety infrastructure to effectively supervise the future Malaysia’s nuclear power program. Based on the element recommended by SSG-16, the country should perform its self-assessment, where the main output of such assessment is to identify the gaps and good practice with respect to the requirements and recommendations of the IAEA Safety Standards; and to develop an improvement action plan for each gap addressed.

During this workshop, participants invited are actively engaged in a discussion during the self-assessment exercise and also the introduction to the uses of SARIS tools.



The participants during the workshop

Upcoming Events

- 17-21 February 2014 Regional Workshop on Communication with Public and Involvement of Interested Parties in the Regulatory Process
- 3-7 March 2014 Workshop on the Licensing process for NPP
- 24-28 March 2014 Expert Mission to provide guidance and assistance for preparing nuclear safety report in relation to Nuclear Safety Convention –preparation to adhere to this convention
- 7-11 April 2014 Expert Mission to assist in the development of an integrated educational and training plan to ensure the competencies required for regulating NPP
- 19-23 May 2014 Workshop on Regulatory Approaches for the Authorization of NPP
- 13-17 October 2014 Workshop on NPP industrial aspects including: NDT, pressure vessels and other engineering issues



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