

Agenda

Asian Nuclear Safety Network (ANSN)

Regional Workshop on Radiological Environmental Impact Assessment for Nuclear Installations

**Hosted by the
Government of the Philippines**

**Through the
Philippine Nuclear Research Institute (PNRI)**

Manila, Philippines

24–28 October 2022

Ref. No.: EVT2104145

Objective and Scope

The objectives of the meeting are to enhance the understanding and competence of regulatory bodies and future operators with regard to investigation of site characteristics and assessment of radiological environmental impact for nuclear installations.

The following workshop activities will be included to achieve the objective:

- Presentation of IAEA safety requirements and guides related to assessment of radiological environmental impact for nuclear installations,
- Presentation of good practices in the area of assessment of radiological environmental impact for nuclear installations,
- Share participants' experiences on the subject.

The workshop will address:

- General approach and consideration for radiological environmental impact assessment,
- Environmental background including population distribution,
- Analysis of transport of radionuclides in atmosphere,
- Analysis of transport of radionuclides in surface water,
- Analysis of transport of radionuclides in groundwater,
- Assessment of overall radiological impact,
- Monitoring of radioactivity in the environment,
- Consideration of the feasibility of effective emergency response actions,
- Application of management system,

Participants:

Participants from Bangladesh, Viet Nam, Indonesia, Malaysia, Korea, Thailand and Philippines will join to the meeting.

IAEA team:

Ayhan Altinyollar (Nuclear Safety Officer, IAEA)

Neil Harman (External Expert, UK)

Mehmet Ekmekci (External Expert, Turkey)

Monday, 24 October 2022		
10:00 - 10:30	Opening, introduction of participants and experts Adoption of agenda	IAEA All experts and participants
10:30 - 12:00	IAEA Guidance for environmental impact assessment for Nuclear Installations	A. Altinyollar
12:00 - 13:30	Lunch Break	
13:30 - 14:00	IAEA Safety Standards NS-G-3.2 including changes in the revision (DS529)	A. Altinyollar
14:00 - 15:00	General Approach and consideration: Environmental background including population distribution	N. Harman
15:00 - 15:30	Refreshment	
15:30- 16:30	Analysis of transport of radionuclides in atmosphere	N. Harman
16:30 – 17:00	Examples and software demonstrations	N. Harman
Tuesday, 25 October 2022		
09:00 – 10:30	Analysis of transport of radionuclides in hydrosphere; Needs for Modelling	M. Ekmekci
10:30 - 11:00	Refreshment	
11:00 – 12:30	Analysis of transport of radionuclides in surface water	M. Ekmekci
12:30 - 14:00	Lunch Break	
14:00 - 15:30	Assessment of overall radiological impact	N. Harman
15:30 - 16:00	Refreshment	
16:00 – 17:30	Examples on Assessment of overall radiological impact	N. Harman
Wednesday, 26 October 2022		

09:00 – 10:30	Analysis of transport of radionuclides in groundwater	M. Ekmekci
10:30 - 11:00	Refreshment	
11:00 – 12:30	Examples and Software demonstrations, practices	M. Ekmekci
12:30 - 14:00	Lunch Break	
14:00 - 14:45	Monitoring of radioactivity in the environment	N. Harman
14:45 - 15:30	Consideration of the feasibility of effective emergency response actions	N. Harman
15:30 - 16:00	Refreshment	
16:00 – 17:30	Examples and Software demonstrations	N. Harman
Thursday, 27 October 2022		
09:00 – 10:30	Application of management system	A. Altinyollar
10:30 - 11:00	Refreshment	
	Country presentations	
11:00 – 11:30	Status of Nuclear Project of Republic of Korea	S. Park, KINS, Republic of Korea
11:30 – 12:00	Environmental Radiation Monitoring System in Bangladesh	S. Yeamin, AEC, Bangladesh
12:00 – 12:30	Review and Assessment on Regulation, Licensing Process, and REIA Study of NPP Site Candidate in Indonesia	Y. Pramono, A. Awalludin, M. Salam, M. Makmur BAPETEN & BRIN, Indonesia
12:30 - 14:00	Lunch Break	
14:00 – 14:30	Viet Nam National Network for Environmental Radiation Warning & Monitoring	L. T. Giang, B. T. Thong and D. D. Thang, VinAtom, Viet Nam
14:30 - 15:00	Radiological Environmental Impact Assessment in the Legal and Regulatory Framework for Nuclear Facility	N. H. Ab Latif, R. Noraini, F. A. Bin Abdul Razalim, T. K. Ngu AELB & Malaysia Nuclear Agency, Malaysia
15:00 - 15:30	Regional Workshop on Radiological Environmental	C. Pitisobhananggul,

	Impact Assessment for Nuclear Installations	D. Chuenbubpar, N. Suwankot, OAP & Electricity Generating Authority, Thailand
15:30 - 16:00	Refreshment	
16:00 - 16:30	Status of the Nuclear Energy Program in the Philippines	J. Samaniego, J. J. Villegas, M. R. Mundo, L. Abella, C. R. Gibaga, D. Tabada, M. Vitug, A. Perez, J. P. Domingo, R. N. Quierrez, PNRI, Philippines
16:30 – 17:00	Overall discussion on country presentations	All
Friday, 28 October 2012		
09:00 – 10:30	ANSN Siting Topical Group (STG) meeting	All
10:30 – 11:00	Refreshment	
11:00 – 12:00	Overall discussion, Q&A, summary and closure	All