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High Dose Records in Thailand –Problems and Ways Forward to Solutions

Thailand has been using ionizing radiation for more 120 years, beginning with the use of x-ray in 1898. However, dose limits for occupational exposure were not established in a Thai regulation until 1961, after the enactment of the Atomic Energy for Peace Act of 1961. The current dose limits are prescribed in the Ministerial Regulation on Radiation Safety of 2018, issued under the Nuclear Energy for Peace Act of 2016. Even with the regulated dose limits, recent dose records still show that occupational exposure for several practices is very close to, or sometime exceeding, dose limits. These high dose records do not reasonably correspond to the nature of activities being performed. Therefore, for the first time in Thailand, a project on high dose records has been initiated to find out the root cause of this high dose records problem. The project is also aimed to determine dose constraints specific to occupational exposure of major practices. The paper will present how the dose survey of occupational exposure is conducted in this project, and how this project will possibly offer solutions to this high dose records problem in Thailand.

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Thailand

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