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RADIOACTIVE WASTE MANAGEMENT AND A QUALITY MANAGEMENT SYSTEM IN THAILAND

The Thailand Institute of Nuclear Technology (Public Organization)-Radioactive Waste Management Center (TINT-RWMC) is the institution responsible for the management of radioactive waste generated from nuclear and radiation applications in industry, research, and agriculture in Thailand. RWMC is a service at a national level that includes the collection and transportation of radioactive wastes to centralized waste management facilities, where they are characterized, segregated, treated, conditioned, and stored. The services provided by the Radioactive Waste Management Section (RWMS) and the Radioactive Waste Technology and Development Section (RWTDS) are accredited under ISO 9001. The quality of RWMC's performance in operation in carrying out its important role in environmental protection is assured by implementing the environmental management system according to ISO 14001. The ISO 14001 certificate represents a permanent commitment of RWMC to implement and improve the environmental management system and to include environmental aspects in all its activities, especially in performing the public service. Radioactivity Measurement Laboratory service on analysis of water (surface water, waste water, drinking water) radioactivity (Gross alpha, Gross beta, 3H, 60Co, and 137Cs) of RWMC control by ISO 17025. In addition to a quality management system, the RWM services of RWMC are following IAEA guidelines and ministerial regulations, including always internal and external audits from outside agencies and regulators. Therefore, the quality management system is an efficient tool of RWMC to demonstrate that adequate measures are in place for RWM to ensure the safety of RWM activities and continual improvement.

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