

Status of Security of Transport of Radioactive materials in Ghana

With the increase in the application of radiation sources in various fields such as medicine, agriculture, research, and especially in industry, the transport of radioactive material has increased over the years which involves the movement of radioactive material from the port of entry to the storage facility of clients, from storage to the place of use, from one place of use to another place of use including offshore for the oil and gas companies and from the place of use to the agency responsible for the safe disposal. In Ghana, Ten (10) private companies have been licensed to transport sources with varying activities. The Nuclear Regulatory Authority (NRA) is the national regulatory authority for enforcement of the regulations for safe handling of radiation sources and transport of radioactive materials. The transport of radioactive material in Ghana is governed by the draft regulations i.e. Safe transport regulations of radioactive materials and well logging regulations which is based on IAEA regulations for 'Safe Transport of Radioactive Material' SSR-6, 2012 Edition.

The NRA has also prepared a draft regulation titled 'Security of Radioactive Material during Transport', The draft regulations establishes security levels commensurate with the potential radiological consequences that could result from malicious use of radioactive material. The objective of this document is to regulate and provide guidance, to an authorized user of radioactive material, consignor, carrier and other concerned persons, in implementing , maintaining security in order to protect radioactive material while in transport against theft, sabotage or other malicious acts that could result in significant radiological consequences.

These processes when duly implemented will complement the country to safely and securely continue to transport radioactive materials in the country.

State

Ghana

Gender

Male

Primary author: OBENG, Michael Kojo Asabre (Nuclear Regulatory Authority, Ghana)

Presenter: OBENG, Michael Kojo Asabre (Nuclear Regulatory Authority, Ghana)

Track Classification: PP: Transport of nuclear and other radioactive material: practices, challenges and regulatory issues