

International Conference on Safety and Security of Radioactive Sources: Accomplishments and Future Endeavours (CN-295)



Contribution ID: 27

Type: Oral

The establishment and maintenance of effective safety and security systems for disused sealed radioactive sources in Ghana: accomplishments, knowledge management, challenges and future projections

Tuesday, 21 June 2022 16:50 (10 minutes)

Ghana has benefited immensely from the application of radioactive sources. The establishment of the Nuclear Regulatory Authority by Parliamentary Act 895 in 2015 has brought clarity and collaboration between key stakeholders namely, ministry of interior and national security, regulator and operator for safe and secure management of radioactive sources. This paper highlights the accomplishments and challenges in establishing and maintaining secure and safe systems for radioactive sources in Ghana. Ghana as an oasis of peace has deployed sound radiation safety principles, requisite physical infrastructure and multi-barrier security systems for constant protection and control of radioactive sources. With the IAEA playing a pivotal role, a centralized storage has been established for disused sealed radioactive sources. Though there are challenges that need to be addressed, Ghana is poised to be the country of excellence in the safe and secure management of sources based on sound knowledge management and allocation of requisite resources.

Country OR Intl. Organization

Ghana

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Session Classification: Technical Session 3G: Management of Disused Sealed Radioactive Sources

Track Classification: 14. Safe and secure management of disused sealed radioactive sources, including field operations, new technologies and end-of-life-cycle management options