

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



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Safety and security interface within the Cameroon centralized storage facility

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According to the section 5(3) of the law N° 2019/012 of 19 July 2019 to lay down the general framework for radiological and nuclear safety, nuclear security, civil liability and safeguards enforcement, which states that: “the State shall establish the following nuclear policy principles ...recognition of the urgent need to manage radioactive waste in order to protect current and future generations against excessive impacts...”, the Republic of Cameroon has established with the support of the Department of Energy of United States of America (DOE/USA) the centralized storage facility for safe and secure management of disused sealed radioactive sources (DSRS). The installation consists of a 40 feet container and a 20 ft container. Safety measures plan to be taken will allow to dismantle and to load category 3 to 5 DSRS in the P-60 capsule and to transfer the capsule to the lead shield and then the whole will be transferred to the 200l drum for the safe and secure storage. The 200l drum packages will be locked, sealed and labelled according to the measured dose rates at 1 meter. Security measures are in place and take into account delay and detection measures as well as the response procedure. It can be mentioned that, the planned safety measures will contribute to improve security through the use of adequate seals and lock mechanisms. In addition, the robust and heavy 200l drum used also increase the difficulty for an adversary to remove or sabotage the packages.

Country OR Intl. Organization

Cameroon

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