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## APPLYING GRADED APPROACH IN THE SUSTAINABILITY OF MANAGEMENT OF NATURALLY OCCURRING RADIOACTIVE MATERIAL RESIDUES IN THE OIL AND GAS INDUSTRY IN NIGERIA

The law governing the use of radioactive material in Nigeria is the Nuclear Safety and Radiation Protection Act No.19 of 1995 which provides for the establishment of the Nigerian Nuclear Regulatory Authority (NNRA). The NNRA applies graded approach to ensure effective regulatory control of different facilities and activities with radiation sources. Naturally Occurring Radioactive Material (NORM) arising from oil and gas production are controlled by ensuring that the prospective oil and gas fields are authorized by the NNRA before commencement of operations. Issuance of authorization is subject to meeting safety requirements commensurate with the radiation risks associated with the activity. This guarantees sustainability of management of NORM Residues in the Oil and Gas Industry in Nigeria. This paper therefore outlines NNRA's regulatory processes for such an activity and the lessons learned.

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