

	<b>INTERNAL PROCEDURE</b>	
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# **NNRA REQUIREMENTS FOR AUTHORIZATION OF WASTE MANAGEMENT FACILITY**

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# **NIGERIAN NUCLEAR REGULATORY AUTHORITY**

## **NNRA REQUIREMENTS FOR AUTHORIZATION OF WASTE MANAGEMENT FACILITY**

### **i Administrative Requirements**

- a. Completion and submission of the attached Authorization Application Form. The Form and the Guide for filling the Form could also be downloaded from the NNRA website at [www.nnra.gov.ng](http://www.nnra.gov.ng).
- b. Provision of a certified copies of Memorandum and Article of Association, Certificate of Incorporation from CAC and Particulars of your First Directors (Form C02 & C05)
- c. Certificate of Registration of DPR for 2011
- d. Payment of applicable authorization fees in accordance with Section 47 (1c) of Nuclear Safety and Radiation Protection Act 19 of 1995. For your practice, the required authorization fee per annum.
- e. Enlisting the services of an NNRA accredited Radiation Safety Adviser (RSA) to assist you in attaining the requirements
- f. Contractual agreement with the NNRA accredited Dosimetry Service Provider for personnel monitoring
- g. Designation of an officer (RSO) who shall develop skills in basic radiation safety and understand the regulatory requirements for practices involving radioactive materials and ionizing radiation

### **ii Personnel/Training**

- a. Organizational Structure
- b. Information about designated personnel
- c. Detailed Training programme
- d. Letter of Appointment of designated Radiation Waste Coordinator (RWC)
- e. CVs, academic and professional certification of RWC and other qualified personnel
- f. Evidence of having staff that are trained in radiation protection in the handling of radioactive waste
- g. Evidence of designation of a Radiation Safety officer (RSO) RSO indicating his job description and authority to stop unsafe practice.
- h. Copies of CVs, academic and professional qualifications of staff and letters of their appointments.

### **iii Equipment**

- i. Evidence of having all necessary equipment and accessories
- ii. Evidence of having Maintenance and repair programme
- iii. Evidence of having Instruments test and calibration certificates.
- iv. Details of overall safety systems including design features, Defense in depth and prevention of unauthorized access to equipment when activated

### **iv Radiological Survey**

- a. Details of monitoring equipment and procedures for protecting workers
- b. Calibration certificates
- c. Radiation Monitoring Programme
- d. An evaluation of the radiation levels and concentrations of contamination expected during normal operations

### **ii Decontamination and Decommissioning Services**

- a. Procedure for decontamination
- b. Proposed Quality Assurance Programme
- c. Details of available equipment
- d. Decommissioning plans indicating adequate radiation protection measures and other relevant safety measures

### **iii Waste Characterization**

- a. Detailed method of radioactive waste characterization and
- b. available equipment

**iv Radiation Waste Minimization/Reduction**

- a. Detailed safety measures in radiation waste minimization/reduction
- b. Operational procedures
- c. Details of available equipment

**v Waste Management in Interim Storage Area**

- a. Layout of Interim storage area
- b. Detailed information about waste management strategy and programmes
- c. Risk assessment
- d. Contingency plans in the event of an emergency

**vi Radiological Waste Shipper Services**

- a. Safety Assessment report on all the practices you intend to embark upon
- b. Detailed Waste Disposal Method
- c. Transportation and handling procedures including mode of transportation
- d. Emergency and contingency plans

**vii Airborne Radioactive Sampling (Air Monitoring and Sampling)**

- a. information of the instruments to be used for measuring airborne contamination
- b. Monitoring procedures and equipments

**viii Additional Information**

Please note that these requirements are not exhaustive as NNRA may require you to provide additional information from time to time as situation may demand.