

Project Management in The Decommissioning of Controlled Facilities

Student's Name

Institution Name

Date

Project Title: Project Management in The Decommissioning of Controlled Facilities**Aim:**

The main aim of this project is to guide both the technical support firms and other interested groups on aspects regarding planning, executing, and completing nuclear facility decommissioning. Additionally, it aims to help in ensuring the decommissioning of the nuclear facilities is performed more safely and acceptably following an international practice.

Background:

Decommissioning includes technical and administrative actions taken to enable the removal of all or some of the facility's regulatory measures or controls. In this case, the operations or activities involve dismantling, decontamination, and removal of waste, radioactive materials, structures, and components. The actions are performed to attain a systematic and progressive reduction in radiological hazards based on assessment and planning, ensuring safety is taken during the decommissioning process.

It is essential to ensure sufficient implementation and planning of decommissioning to allow for the protection of the environment, public, and, most importantly, the workers. The decommissioning period is likely to be within a period of months to decades, for instance, allowing for the decay of radioactive. Such a period includes phased parts of a facility or site from regulatory control. Dismantling immediately takes place after the deferment or shutdown until after safety is achieved. After the decommissioning is completed and the desired end state is achieved, both the site and facility will be unrestricted and restricted.

Despite the aspect that decommissioning takes place in the final stage in the lifecycle of the nuclear facility, its planning is essential. It should always begin during facility design, continuing throughout all the phases of the facility's life cycle. From experience, it is necessary

always to consider decommissioning for new facilities at the initial stage, which is the design phase.