

## **Safety assessment of radiological characterization in decommissioning of a nuclear facility or waste management processes**

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Radiological characterisation activities represent an important part of the decommissioning project of a nuclear installation or waste management processes. These are continuous activities over the lifetime of the mentioned processes, being carried out repeatedly due to the fact that radiological characterization activities are necessary in their many phases. It is a good practice to manage aspects like people, safety, environment, quality, etc., especially when radiological characterization activities are made in-situ. Significant personal exposure can be recorded when in-situ measurements or sampling activities are done in unfamiliar area or when the radiation levels are poorly known or unknown. An optimization process of radiological characterization activities must be carried out (e.g. detailed considerations regarding the sampling type and place, specific analysis or techniques will be used, costs, time spent, etc.) so that adequate measures can be put in place to protect the safety of workers during decommissioning or waste handling operations. This paper present good practices related to safety in radiological characterization activities done during the decommissioning of a nuclear facility or waste management processes.