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Final characterization and Supervision by National Regulatory Body under Site Restoration Plan in Sites after Dismantling Nuclear Power Plant (Jose Cabrera site case)

The authorization process of a NPP in Spain follows the different stages of these facilities: construction, operation, dismantling and decommissioning. For the dismantling authorization, the licensee is required to send several documents, including the Site Restoration Plan (PRE), which defines the activities to meet the radiological criteria that lead to release (total or partial, with or without restrictions) of the site, including final status survey, based in the site final radiological characterization.

The CSN, Spanish nuclear regulatory body, has published two Safety Guides (GS) related to PRE. GS 4.2 describes the content that must be included in this document and in the final status survey, while GS 4.3 recommends a methodology to verify the radiological situation for release of the site. These Safety Guides establishes criteria for supervision by the CSN.

The evaluation process of PRE document is analysed from the point of view of the final radiological characterization, taking into account the application of those Safety Guides, though the presentation of Jose Cabrera NPP case, the first to complete all phases of this type of facility in Spain. PRE is currently carrying out in this site, once final version of the document was approved by CSN in June 2022.

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