framatome

Waste Documentation for Intermediate and Final Storage

Extensive support of nuclear operators in the creation, evaluation and management of compliant documentation

Framatome helps you manage your waste documentation, for a continuous, compliant and smooth transition of your waste to intermediate and final storage

Challenge

For the correct declaration of waste containers, strict compliance with storage criteria is essential. This involves documenting accurately the container, radiological details, and material composition of the generated waste. The documentation process begins in the early planning stages of a dismantling operation. It requires extensive knowledge of storage conditions, as well as an understanding of waste generation throughout the dismantling process.

The complexity of this effort highlights the need for an efficient, adaptable solution to streamline documentation and ensure regulatory compliance of the final waste documentation.

Solution

Framatome offers comprehensive support for the preparation of waste documentation. We optimize the compliance process by ensuring all necessary declarations – container, radiological, and material – are accurately prepared from planning through final documentation.

Our solution is backed by internal teams with expertise in various technical fields, reducing the need for external support. This approach ensures secure planning and allows fast iterations during the documentation process. By centralizing data generation and quality control in-house, we deliver high-precision documentation, ensuring comprehensive, reliable compliance for each waste container.

Customer benefits

- Full support through all stages of waste-generation
- Strong in-house expertise for all relevant fields surrounding waste-container documentation
- Standardization of documents

Your performance
is **our** everyday **commitment**

Schematic image of a waste-container with its corresponding documentation file

Features:

- **Radiological considerations:**
  Activation and radioactive decay calculation, deriving nuclide vectors, radiological cutting and packaging planning, etc.
- **Analysis of activated samples:**
  Prepare sampling concepts for sampling activated components, sampling on site, transportation of samples, analysis of radioactive samples in terms of contamination, activation and material composition
- **Dismantling of activated components on-site:**
  Planning and execution of dismantling of large activated components, geometric cutting and packaging planning, waste-handling on-site
- **Waste-treatment:**
  Planning, execution and documentation of all necessary waste treatments to comply with the repository conditions (e.g. drying, grouting, cementation)

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