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This is a translation of ESK document entitled: Orientierungshilfe „Themenschwerpunkte zur Information des Ausschusses STILLEGUNG der Entsorgungskommission über künftige Stilllegungsprojekte“.

In case of discrepancies between the English translation and the German original, the original shall prevail.

Guidance

Main topics of interest to the Committee on DECOMMISSIONING of the Nuclear Waste Management Commission when requesting information about future decommissioning projects

The Committee on DECOMMISSIONING of the Nuclear Waste Management Commission (ESK-ST) intends requesting information from the operators of future decommissioning projects about the measures planned there at an early stage as a means to create a content-related basis for any future consultations within the ESK-ST.

The ESK-ST has drawn up the following list of topics as guidance for the operators as regards the main topics of interest to the ESK-ST interest for such early information, which could be dealt with as part of the planned information visits. The collection of topics is based on the ESK Guidelines for the decommissioning of nuclear facilities of 16.03.2015 and takes into account the experience gained from previous ESK-ST consultations on specific decommissioning projects.

1. Overview of the nuclear facility and the site, in particular interactions with other facilities at the site.
2. Overview of the overall concept of decommissioning and dismantling (overall view), in particular the phases/structuring of the licensing procedure, the proposed end state of decommissioning (decommissioning objective) and the anticipated timetable.
3. Overview of measures for the preparation of decommissioning after cessation of power operation, in particular
 - spent fuel management,
 - removal of operating media,
 - measures to reduce the dose rate in the facility, such as primary circuit decontamination,
 - already performed measures to shut down systems required for power operation, and
 - creation of storage capacities and transport routes, as well as areas for the treatment of residues and waste including specification values for their use.
4. Overview of radiological characterisation, in particular
 - in terms of how and when (level of detail oriented towards decommissioning objective "zielorientierter Detaillierungsgrad"),

- information on the initial radiological condition,
 - nuclide vector method for beta- and alpha emitters,
 - other hazardous substances (e.g. asbestos, organic contaminated solutions, ...).
5. Description of the dismantling concept, in particular
- dismantling steps and measures and their functional dependencies,
 - possible dismantling, disassembly and decontamination techniques and necessary auxiliary systems, and
 - estimated collective dose for individual phases/essential dismantling steps.
6. Description of the waste management concept including quantification, in particular
- description and classification of radioactive residues produced,
 - overview of residues and waste treatment including the possible procedures for processing, treatment, clearance and removal (of materials) and waste management objectives (e.g. storage), and
 - presentation of material streams within the nuclear facility (including storage logistics).
7. Overview of the operation and its adjustments, in particular
- continued validity of operating procedures,
 - classification of the required safety-relevant operating systems,
 - procedure for work permits (work permit procedures for dismantling steps),
 - operating organisation, including safety management,
 - the measures provided for radiation protection, fire protection and occupational health and safety, and
 - radiation exposure from discharges of radioactive materials with exhaust air and waste water.
8. Overview of the events to be analysed, in particular
- overview of accidents, i. a.
 - i. overview of accident scenarios according to BMUB Decommissioning Guide and ESK guidelines on decommissioning and assessment of the scenarios with regard to their relevance,
 - ii. presentation of the radiologically representative conservative accident scenario, and
 - iii. radiation exposure resulting from accidents;
 - overview of protective measures/concept for preventing accidents.