Final safety report for Central interim storage facility for radioactive waste from small producers in Brinje near Ljubljana

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Abstract:
In 1999 the Agency for Radwaste Management took over the management of the Central Interim Storage for radioactive waste from small producers in Brinje. At the same time in accordance with a Decree on the Mode, Subject and Terms of Performing the Public Service of Radioactive Waste Management (Official Gazette of RS, 32/99) the ARAO agency was appointed to perform the public service of radioactive waste management for waste produced in Slovenia in industry, medicine and research. After taking over responsibility for the storage the ARAO thoroughly reviewed the facility and the stored inventory. Based on the findings of this review the ARAO agency prepared a basic document for the facility i.e. Final Safety Report for the Central Interim Storage for radioactive waste from small producers in Brinje.

The safety report is based on the present state of the facility, its location, stored inventory and present operation. The latter is limited to storing of already stored waste, acceptance of new waste only in emergency cases, and internal transport of the accepted waste with a forklift or manually. The Final Safety Report is prepared in accordance with the requirements of Regulation E2 and deals with the following areas:
- The safety approach to LILW storage,
- Description and location analysis of the Central interim storage,
- Technical features of the Central interim storage,
- Safety analysis of the Central interim storage,
- Organisational measures for normal operation of the Central interim storage,
- Operational conditions and limitations,
- Ionising radiation protection service, its methods and equipment,
- Radioactive waste management and disposal,
- Review of the plans, measures and procedures to prevent radiological accidents,
- Quality assurance programme,
- Review of the measures for physical protection of the LILW storage and stored radioactive waste,
- Planned measures and necessary equipment for the closure of the Central interim storage.

Safety analysis proves that the facility together with the stored waste poses no threat to the environment. The safety report states that there are none of the normal and accidental operational conditions expected, which would radiologically effect the staff, population and environment. Although the present situation in the Central storage facility does not have negative influences on the surroundings, the examination of the facility showed that refurbishment of the facility and rearrangement of the stored waste is needed, including improvements to the storage utilisation.
Therefore the remedial and renovating activities are carried out or are planned to be performed at the Central interim storage. Implementation of this project will lead to the new, improved state of the facility and emplacement of the inventory. Completion of the project will enable preparation of the Final Safety Report for the new conditions of the facility, which will include all the changes. The paper will present the current status of the Final safety report.