

EXECUTIVE SUMMARY

At the invitation of Nuklearna Elektrarna Krško, the International Atomic Energy Agency (IAEA) conducted a Pre-SALTO (Safety Aspects of Long Term Operation) mission at the Krško Nuclear Power Plant (NPP) from 5 to 14 October 2021.

The Pre-SALTO mission reviewed the status of activities related to long term operation (LTO) assessment of the plant against IAEA Safety Standards and international best practices. The review team consisted of two IAEA staff members (team leader and deputy team leader), five international experts and four observers, covering all six areas of the standard scope of a SALTO mission. The team reviewed the completed, in-progress and planned activities related to LTO, including ageing management of the structures, systems and components (SSCs) important to safety and revalidation of time limited ageing analyses (TLAAs). Through the review of available documents, presentations and discussions with counterparts and other members of the plant staff, the IAEA team observed, in the field of ageing management and preparedness for safe LTO, that many ageing management and LTO activities are already in compliance with IAEA safety standards. The SALTO team encourages the plant management to facilitate implementation of all remaining activities for safe LTO.

The team found the plant staff to be professional, open and receptive to proposals for improvement. The mission team observed that plant management is committed to improving plant preparedness for LTO. Walkdowns showed that the plant is in good condition. In addition, the team noted the following good performances:

- The plant has ageing management in place for safety related cables including a combination of proactive and reactive activities in a well-structured and comprehensive programme.
- The plant has an efficient intranet portal in place which contains links to multiple subordinated modules through which access is guaranteed to all relevant management applications, programmes, documents, procedures, data and records.
- The plant exercises strong ownership of the Steam Generator Programme with strong commitment to excellence and several activities which are exceeding governing standards.

The team recognized that the plant's intention is to follow the IAEA Safety Standards in preparation for safe LTO. The team identified several areas for further improvement. Fourteen issues were raised including 5 recommendations and 9 suggestions. The most significant ones are:

- The plant should ensure detailed planning for the management of the third Periodic Safety Review project in support of LTO-preparation.
- The plant should complete the Ageing Management Reviews of SSCs.
- The plant should implement effective knowledge management in support of LTO.

A summary of the review was presented to the plant management during the exit meeting held on 14 October 2021. The plant management expressed a determination to address the areas identified for improvement and indicated their intention to continue cooperating with the IAEA on the review of progress in preparing the plant for safe LTO.