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Long term operation of Bohunice NPP

LONG TERM OPERATION OF BOHUNICE NUCLEAR POWER PLANT

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The overall objective of plant long term operation (LTO) programme was to demonstrate that the relevant systems, structures and components (SSCs) would perform their safety functions throughout the entire LTO period. More recently a comprehensive robust plant programme was introduced: this programme is aimed at replacement or modification of those structures and components (SCs) which have not been replaced or modified during the plant first modernization programme and power uprates.

Selection of SSCs for LTO was a very important process. It determined which plant SSCs were then included into scope for LTO assessment. Short lived SSCs were subject of the relevant plant programmes (maintenance, equipment qualification, etc.). Long lived SSCs were subject of ageing management programmes (AMPs) and time limited ageing analyses (TLAAs).

Review of ageing management programmes (AMPs) which were developed for long lived structures and components

- ☒ Evaluation of SCs conditions;
- ☒ Identification of ageing degradation;
- ☒ Review of AMPs;
- ☒ Demonstration of an adequate management of ageing degradation;
- ☒ Reporting.

The above listed elements were reviewed by the corresponding methodology using the adequately established criteria.

The LTO programme evaluation phase has been completed in December 2013, when a brief summary report was submitted.

Currently, 175 integrated corrective measures (out of 204 in total number) have already been addressed.

The plant LTO programme is adjusted in accordance with requirements set out in the relevant legal regulations. Subject to fulfilment of tasks within given deadlines the Authority does not consider necessary to modify the valid operating license for the operation of Bohunice Unit 3 and 4.

Country or International Organization

Slovakia

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