Examples of Results

The Programme has addressed mainly the following aspects of long term operation of water moderated reactor power plants.

- General Framework
- Preconditions
- Scoping and Screening
- Attributes of Effective Ageing Management Programmes
- Operational Programmes
- Revalidation of Time Limited Ageing Analysis
- Technical Justification

Figs 1, 2 below demonstrate the scoping and screening process.

For all plant systems, structures or components (SSCs), identify applicable information sources (process the SSCs through each part).

1. Is the SSC important to safety?
   - Yes
     - 3. Is the SC replaced or refurbished on a specified time interval?
       - No
         - SC subject to LTO review
       - Yes
         - Not subject to LTO.
           - Requirements of the current design basis are valid.
           - ISI / surveillance / testing, monitoring, maintenance, refurbishments and reconstructions of SCs are within the framework of normal plant life management.
   - No
     - 2. Does failure of SC not important to safety impact safety functions?
       - Yes
         - Not subject to LTO.
         - Requirements of the current design basis are valid.
         - ISI / surveillance / testing, monitoring, maintenance, refurbishments and reconstructions of SCs are within the framework of normal plant life management.
       - No
         - SC subject to LTO review

FIG.1. Scoping process for LTO
Is the ageing effect managed by acceptable AMP?

Action required.
Modification of existing plant programmes or introduction of new programmes that are approved by regulator.

Is the SC subject to TLAA review?

4

Is TLAA re-confirmed for period of LTO?

5

Is an ageing effect identified for LTO?

Is the ageing effect managed by acceptable AMP?

No ageing effects identified as a result of review.

Ageing effects on SC are adequately managed for LTO.

TLAA confirmed. No further action.

Ageing Management Review

TLAA

Fig. 2. Screening Process for LTO