



European Nuclear Safety Regulators Group

1st Topical Peer Review
Public event – 3rd May 2018
Brussels

Ian Bramwell

Project Manager, Thematic group on

CONCEALED PIPEWORK

Concealed Pipework

Scope of review:

concealed pipework important to safety for all pipework designs where the pipework is:

- * Buried in soil;
- * Encased in concrete; or
- * In covered trenches.

National Assessment Reports should identify the scope of ageing management related to concealed pipework by describing:

- a) Methods and criteria used for selecting concealed pipework within the scope of the ageing management;
- b) Processes/procedures for the identification of ageing mechanisms related to concealed pipework ;
- c) Grouping criteria for ageing management purposes.

Concealed Pipework

Review Process:

Project Manager

Office for Nuclear Regulation – UK

Rapporteur

Authority for Nuclear Safety and Radiation Protection – Netherlands

Experts

Autorité de Sûreté Nucléaire – France (2)

Institute for Environmental Protection and Research, Italy

Office for Nuclear Regulation – UK

UJV Group – Czech Republic

State Scientific and Technical Center

for nuclear and radiation safety – Ukraine

State Nuclear Power Safety Inspectorate (VATESI) – Lithuania

Total of 280 questions related to concealed pipework raised, of those 138 from thematic group

Concealed Pipework

Areas of focus for TPR Workshop

- Ageing management strategy, is there one? Is it appropriate?
- Extent of condition (how established, uncertainties)
- Environment (general vs local, seasonal variation)
- Inspection
- Mitigation strategy
- Repair strategies & material selection
- Maintenance strategies
- Reinstatement of buried system
- Plant walk-downs
- Operational Experience

- Research reactors vs NPP.