

Infogram 14-1 and Containment Analyses

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Objectives

- Discuss Infogram 14-1 issue
- Discuss NRC response
- Discuss Industry response
- Discuss Future Activities
- Q &A

Infogram 14-1

- Infograms are Westinghouse service oriented publications that discuss issues of interest to their customers
- Infogram 14-1 identified a potential non-conservatism in containment analysis
- Volumetric heat capacity for stainless steel (SS) used for reactor coolant system (RCS) metal not consistent with ASME code value
- Non-conservative results in post-accident containment pressures and temperatures

NRC Response

- NRC learned of Infogram 14-1 through interactions with stakeholders
- NRC responded by issuing requests for additional information on license amendment reviews that could be impacted by the issue
- Individual licensees responded by performing analyses to address the issue

Industry Response

- Pressurizer Water Reactor Owners Group (PWROG) engaged NRC to pursue generic industry approach to address the issue
- Closed meetings were held between industry and NRC to review proprietary containment analysis codes used in analyses of record (AOR) by licensees
- Containment analysis codes used in AORs were demonstrated to include substantial conservatism to offset lower SS heat capacity factor - no safety issue
- PWROG proposed submitting a generic topical report (TR) to highlight conservatism in AORs that would address the issue and which licensees could adopt and include in their licensing bases

Current Status & Future Activities

- Based on results of licensees addressing this issue to date, NRC will no longer issue RAIs on license amendment requests that could be impacted by this issue
- Based on focused industry attention and ownership to resolve issue NRC believes that issue can be appropriately addressed through licensee corrective actions programs (i.e., inspection issue vs. licensing issue)
- PWROG is planning to submit a TR to highlight conservatism in AORs such that licensees can include TR in licensing basis and close out corrective action.

Infogram 14-1

Questions?