

ICs/EALs FOR ADVANCED LWRs

INFORMATIONAL STATUS

- The Initiating Condition (IC) and Emergency Action Level (EAL) developmental methodology expressed in NEI 99-01 Rev. 4 is applicable to all reactor designs. However, the specific ICs and EALs provided in NEI 99-01 Rev. 4 may not be entirely applicable to advanced LWR designs. Additionally, the unique design characteristics of a given LWR design may require the development of additional ICs and/or EALs.
- Existing regulatory processes are not an impediment to the development of ICs and/or EALs for any reactor design.

EXPERIENCE TO DATE

- The IC/EAL methodology used in NEI 99-01 Rev. 4, and endorsed by the NRC via RG 1.101, is the product of years of industry experience with developing and implementing EALs. The NRC encourages the use of NEI 99-01 in the development of ICs and EALs.
- The Standard Review Plan (NUREG-0800) and the COLA Reg Guide (DG-1145) have been revised and are, or will be, out for public comment. These documents have had EAL developmental expectations added to them to encourage licensees to follow the endorsed developmental guidance in NEI 99-01 Rev. 4, and to evaluate the guidance against the unique design characteristics of the applicable LWR design for the development of new IC/EAL sets and/or the removal of IC/EAL sets that are not applicable to the given LWR design.

STATEMENT OF PURPOSE

- Working Groups should develop ICs and/or EALs, using the developmental guidance contained in NEI 99-01 Rev. 4, applicable to the given LWR design.

BENEFITS

- Vendor, NEI, and industry involvement in the development of IC/EAL sets applicable to a given LWR design, now, is in the best interests of all concerned and will drive consistency and enhance regulatory stability during the review and approval of upcoming COL, and ESP with Complete and Integrated Emergency Plans, applications.