

Industry Trends Program Support

RES/DRA

The NRC's Industry Trends Program (ITP) monitors trends in industry performance to confirm that the safety of operating power reactors is being maintained. If any long-term indicator shows a significant adverse trend, the NRC will evaluate the trend and take appropriate action using existing regulatory processes aimed at resolving such issues which may cut across portions of the industry and therefore be generic to a particular class of plants.

RES supports the ITP by collecting, analyzing and trending operating experience data contained in the Industry Data Collection and Coding System meta-database. This includes updating trends for initiating events, component and systems reliabilities, common-cause failures, and fire events, and then making this information available via the RES internal web page and the NRC's public web site. For example, RES developed the Baseline Risk Index for Initiating Events (BRIIE), an industry-wide risk-informed, performance indicator for initiating events (NUREG/CR-6932, "Baseline Risk Index for Initiating Events (BRIIE)," published in June 2007.) This indicator has been tracked since 2008. The Accident Sequence Program also provides trends in the occurrence rate of significant precursor events to support the Industry Trends Program.