

Accident Sequence Precursor Program

RES/DRA

The risk associated with operational events and/or degraded conditions is evaluated under the Accident Sequence Precursor (ASP) Program by systematically reviewing and evaluating operating experience to identify precursors to potential severe core damage sequences, documenting precursors, categorizing them by plant-specific and generic implications, and providing a measure of trends in nuclear plant core damage risk. The objectives of the ASP Program are to determine the safety significance of events and their regulatory implications; provide feedback to improve probabilistic risk assessment (PRA) models; and provide NRC Strategic Plan performance measures and the ASP occurrence rate trending for the annual Performance and Accountability Report to Congress. Since its inception, the ASP Program has evaluated more than 730 precursors, which are maintained in the ASP Events Database.

Completed Operating Plan Milestones

Operating Plan Milestones	Due Date	Completion Date
Completed preliminary assessments of FY 2007 events to determine precursor events and <i>significant</i> precursor events.	March 2008	March 2008
Provided to NRR and Regions the semi-annual status report of ASP Program and related activities.	July 2008	July 2008

Upcoming Operating Plan Milestones

Operating Plan Milestones	Due Date
Complete final ASP analyses for FY 2007 events (only includes events for which required inputs are available by February 2008).	September 2008
Forward to the EDO the annual SECY paper on the status of the ASP Program and the SPAR Model Development Program. WITS 199200101	September 2008
Provide input to OCFO on <i>significant</i> precursors through June 2008.	October 2008
Provide ASP trends through FY 2007 to support the Industry Trends Program.	November 2008
Provide input on the number of <i>significant</i> precursors in FY 2008 to the Abnormal Occurrence criteria report to Congress.	November 2008