

Accident Sequence Precursor Trends

Most of the data used in the trending analyses span the period from FY 1993 through FY 2002. In addition, the trends include the results of both final and preliminary analyses of potential precursors. However, the following exceptions apply to the data coverage of the trending analyses:

- The staff is still conducting its preliminary analyses of cracking that occurred in CRDM housings during FYs 2001 and 2002. Sensitivity analyses conducted to date show that these cracking events are most likely potential precursors but not significant precursors. Therefore, the staff has included these events in the total count and trending of all precursors (i.e., CCDP and CDP > 1×10^{-6}).

No statistically significant trend has been observed in the occurrence rate for all precursors that occurred during the period from 1993 through 2002. The figure below depicts the occurrence rate per reactor-year for all precursors by fiscal year.

Although the figure shows the ASP results for events that occurred before FY 1993, these events are not taken into consideration for statistical trending since they were derived using a less-rigorous methodology. The ASP events that occurred before FY 1993 are only shown to provide historical perspective.

