Reactor Performance Data Collection Program

RES/DRASP

Data are collected on the operation of nuclear power plants from licensee event reports (LERs), licensee monthly operating reports (MORs), and industry databases. The data collected include component and system failures, demands on safety systems, initiating events, fire events, and common-cause failures. The data and data analysis results are stored in database systems for use by the NRC staff as part of other regulatory processes to help identify potential safety issues. These processes include the Industry Trends Program (ITP), the Accident Sequence Precursor (ASP) Program for evaluating the risk associated with operational events and/or degraded conditions, and the Reactor Oversight Process (ROP). In addition, the data are used as input for the risk assessment models known as Standardized Plant Analysis Risk (SPAR) models. The database systems include the Integrated Data Collection and Coding System (IDCCS), the Reliability and Availability Data System (RADS), the Common-Cause Failure Database, the Fire Events Database, and the Accident Sequence Precursor (ASP) Events Database.