



Office of Nuclear
Regulatory Research

Enhanced Tracking and Reporting of Research Projects

In response to congressional and Commission inquiries, the Office of Nuclear Regulatory Research has begun to enhance the tracking and reporting of budgeted resources, priorities, duration, basis, and status of research projects to provide more transparent information to internal and external stakeholders. This effort builds upon agencywide efforts to upgrade the interfaces among IT systems to improve data support for efficient and effective management decisionmaking.

Project Goals Include:

- Improved clarity about the work being supported by the anticipatory and confirmatory research being performed (make linkages explicit).
- Shared understanding of the research infrastructure necessary to support a wide range of confirmatory research (e.g., computer codes).
- Improved management information to ensure highest priority work is funded by projecting future costs and tracking actual expenditures.

Timeframes:

- Enhanced reporting currently available for 2017-2018 budget execution and in formulation of the FY 2019 budget.
- Ongoing NRC systems improvements will make reporting more automated by FY 2020.

ENTERPRISEWIDE PROJECT IDENTIFIERS (EPIDS)

1. Safety of I&C	16. Support for Fire Protection Activities	29. Drug-and-Alcohol-Related Fitness-for-Duty Projects	41. CFD Analysis
2. Security of I&C	17. Fire Risk Training	30. Level 3 PRA Project (full site, multi-unit risk assessment)	42. MELCOR Code Development and Maintenance
3. Electrical System Evaluation	18. High-Energy Arc Faults Testing	31. Human Reliability Analysis Data Collection	43. Severe Accident Verification and Validation
4. Cable and Equipment Aging	19. Halden	32. Human Reliability Analysis Methods	44. Accident Progression and Source Term Analysis
5. Structural & Geotechnical Evaluations	20. Accident Sequence Precursor Program	33. PARCS Code Development and Maintenance	45. MACCS Code Development, Maintenance, and Verification/Validation
6. Piping and Other Components Integrity	21. Reactor Operating Experience Program	34. SCALE Code Development and Maintenance	46. WinMACCS, MetMACCS, and SECPOP Code Development and Maintenance
7. Integrity Analysis Tool Development and Guidance	22. Regulatory Guides (includes codes and standards)	35. FRAPCON/FRAPTRAN Code Development and Maintenance	47. Consequence Analysis
8. Vessel Integrity (RPV and internals)	23. Long Term Research Program (LTRP)	36. Fuels and Neutronics Analysis	48. Dose Assessment Code Development and Maintenance
9. Steam Generator Integrity	24. Generic Issues Program	37. TRACE Code Development and Maintenance	49. Radiation Protection Code Development and Maintenance
10. Storage (dry cask, transportation)	25. Risk Analysis Research	38. SNAP Code Development and Maintenance	50. Decommissioning Code Development and Maintenance
11. Evaluation Techniques (NDE)	26. Safety Culture Inspections and Technical Assistance	39. Thermal-Hydraulic Verification and Validation	51. Radiation Protection Analysis
12. Materials Degradation, Analysis and Mitigation Techniques	27. Development and Enhancement of NRC Risk Analysis Tools	40. Thermal-Hydraulic Analysis	
13. Seismic Analysis and Evaluation	28. Development of Technical Guidance for Implementation of Risk-Informed Activities		
14. External Hazards Analysis			
15. Probabilistic Flood Hazard Assessment Research			

