



RIC 2014
**Power Reactor Decommissioning
Inspection Program**
Robert Orlikowski
Region III, Division of Nuclear Material Safety
Material Control, ISFSI, and Decommissioning
March 13, 2014



Operating Inspection Program
Inspection Manual Chapter 2515, "Light Water
Reactor Inspection Program – Operations Phase"
– In effect until licensee submits written
certification to cease operation in accordance with
10 CFR 50.82.(a)(1)(i)
– After certification is received by NRC, facility is no
longer subject to Reactor Oversight Process



Decommissioning Inspection Program
Inspection Manual Chapter 2561,
"Decommissioning Power Reactor Inspection
Program"
– Inspection Program will remain in place until the
license is terminated
– Resident Inspector will typically remain onsite for
a period of 6 to 12 months after the 50.82
certification is submitted to the NRC



Decommissioning Inspection Program

Inspection program comprises two major elements:

- Core Inspection
- Discretionary Inspections (i.e. Reactive and Initiative Inspections)

Inspection hour estimates are based on decommissioning activities and will vary from site to site

4



Decommissioning Inspection Program

Core Inspections Include:

- Organization and Management Control
- Quality Assurance
- Spent Fuel Wet Storage and Handling
- Maintenance and Surveillance
- Radiation Protection
- Security
- Safety Evaluations

5



Decommissioning Inspection Program

Decommissioning Activities are Grouped in Six Categories

1. Post-Operation Transition Phase (~473 hrs)
2. Actively Decommissioning, Fuel in the Pool (~443 hrs)
3. Actively Decommissioning, No Fuel in Pool (~362 hrs)
4. SAFSTOR, Fuel in the Pool (~155 hrs)
5. SAFSTOR, No Fuel in the Pool (~107 hrs)
6. Final Surveys Underway, no Fuel in Pool (~165 hrs)

SAFSTOR: Condition allowing for the facility to be safely stored and subsequently decontaminated for release

6
