



# **United States Nuclear Regulatory Commission**

## **REGION I**

RIC 2002 T5 Decommissioning

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*Chief, Decommissioning & Laboratory Branch*

*U.S. Nuclear Regulatory Commission, Region I*



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# **RECENT REGULATORY REACTOR DECOMMISSIONING ISSUES**

***REGULATORY INFORMATION CONFERENCE  
MARCH 2002  
WASHINGTON, DC***

***Dr. Ronald R. Bellamy  
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## **INSPECTION MODULES FROM NRC MANUAL CHAPTER 2561**

### **ANNUAL**

- **SELF-ASSESSMENTS, AUDITS, CORRECTIVE ACTIONS**
- **COLD WEATHER PREPARATIONS**
- **OCCUPATIONAL RADIATION PROTECTION**
- **INSPECTION OF FIELD SURVEYS**
- **RADWASTE TREATMENT, EFFLUENT AND ENVIRONMENTAL MONITORING**
- **SOLID RADWASTE MANAGEMENT AND TRANSPORTATION**

## **INSPECTION MODULES FROM**

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## **NRC MANUAL CHAPTER 2561**

### **SEMI-ANNUAL**

- **ORGANIZATION, MANAGEMENT, AND COST CONTROLS**
- **SAFETY REVIEWS AND DESIGN CHANGES**
- **MAINTENANCE AND SURVEILLANCE**
- **INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS (ISFSI)**
- **SPENT FUEL POOL SAFETY**

### **QUARTERLY**

- **DECOMMISSIONING PERFORMANCE**



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## **INSPECTION MODULES FROM NRC MANUAL CHAPTER 2561**

### **WHEN REQUIRED**

- **PHYSICAL SECURITY**
- **PREPARATION FOR FUEL HANDLING**
- **FUEL HANDLING**
- **ISFSI COMPONENT DESIGN CONTROL**
- **ISFSI COMPONENT FABRICATION BY OUTSIDE VENDOR**
- **ONSITE ISFSI COMPONENT FABRICATION**
- **ISFSI CONSTRUCTION**
- **ISFSI PRE-OPERATIONAL TESTING**
- **ISFSI OPERATION**
- **CHANGES IN ISFSI OPERATION**



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**DECOMMISSIONING INSPECTION EFFORT  
(ANNUAL)**

- **HIGH DECOMMISSIONING ACTIVITY -- 600 INSPECTOR HOURS**
- **LOW DECOMMISSIONING ACTIVITY -- 250 INSPECTOR HOURS**

**USED AS GUIDANCE**



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**ANNUAL INSPECTION EFFORT**

	<b><u>FY 2000</u></b>	<b><u>FY 2001</u></b>
<b>MAINE YANKEE</b>	<b>580</b>	<b>480</b>
<b>HADDAM NECK</b>	<b>520</b>	<b>405</b>
<b>MILLSTONE I</b>	<b>640</b>	<b>243</b>
<b>YANKEE ROWE</b>	<b>180</b>	<b>120</b>

- VALUES INDICATE ONSITE INSPECTION TIME IN HOURS**
- FY 2001 NUMBERS DO NOT REFLECT EXPECTED FUEL MOVEMENT ACTIVITIES**



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## **EMPHASIZED INSPECTION AREAS**

- **ORGANIZATION AND MANAGEMENT**
- **SELF- ASSESSMENTS**
- **CORRECTIVE ACTION PROGRAM**
- **RADIATION PROTECTION**
- **FINAL SURVEYS**
- **PHYSICAL SECURITY**



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## **ISSUES**

- **MANAGEMENT OF CONTRACTS**
- **PUBLIC ADVISORY COMMITTEES**
- **STAFF TURNOVER**
- **BALANCING INSPECTION PRIORITIES**
- **COORDINATION OF SCHEDULES - ISFSI LOADING**



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## **ISSUES**

- **OSHA**
- **CRANE/RIGGING**
- **PARTIAL SITE RELEASE**
- **FINAL SURVEYS - MARSSIM**