NRC INSPECTION MANUAL

DIRS

Change Notice 05-032

	DELETED:		TRANSMITTED:	
	Number	Date	Number	Date
1.	IMC 2515 App D	01/26/05	IMC 2515 App D	12/02/05
2.	IP 71111.21	04/13/04	IP 71111.21	12/02/05
3.	TI 2515/158	06/14/04	----------	----------

TRAINING: IP 71111.21 - Engineering inspectors who have been qualified in accordance with IMC 1245 do not need any special training to perform this revised inspection. However, as committed in SECY-05-0118, the Reactor Inspection Branch will provide a short general training session for a core group of inspectors, team leaders, and branch chiefs who conduct the inspections.

REMARKS:

IMC 2515 App D (Plant Status) has been revised to incorporate additional clarification to the existing guidance on reactor coolant system unidentified leakage trending. In addition, the resource estimate for completing plant status activities has been increased.

IP 71111.21 (Component Design Bases Inspection) has been revised to incorporate the inspection methodology discussed in Temporary Instruction 2515/158 (Functional Review of Low Margin/Risk Significant Components and Human Actions) and the commitments specified in SECY-05-0118 (Results of the Pilot Program to Improve the Effectiveness of Nuclear Regulatory Commission Inspections of Engineering and Design Issues). Additional information is provided below:

- The objective of this procedure is to verify that design bases have been correctly implemented for the selected risk significant components and that operating procedures and operator actions are consistent with design and licensing bases. This is to ensure that selected components are capable of performing their intended safety functions.
- The procedure title has been changed from “Safety System Design and Performance Capability” to “Component Design Bases Inspection.”
- The design bases review is performed on the component level rather than system level.
- Selection of components for review is based on risk significance and design margin.

- Inspection samples have been added to review risk significant operator actions and operating experience.

- This IP will be performed with a multi-disciplinary team consisting of contractors and NRC inspectors with expertise in power plant design and operation.

- The 7-week inspection schedule will consist of a pre-inspection site visit (preparation and sample selection), two weeks of in-office preparation, three weeks of on-site inspection, and one week of in-office documentation of inspection results.

- The team will select 15-20 risk significant and low margin components, 3-5 risk significant operator actions, and 4-6 operating experience issues for inspection.

- The design review and other inspection attributes remain the same as the existing procedure (Safety System Design and Performance Capability).

- The inspection procedure is estimated to take an average of 680 hours (408 NRC inspector hours and 272 contractor support hours) based on a team of five inspectors at a site.

- This inspection procedure will be implemented at all operating reactor sites on a biennial frequency starting January 2006.

  TI 2515/158 (Functional Review of Low Margin/Risk Significant Components and Human Actions) has been deleted since it has been implemented at four sites as required by the TI and the lessons learned have been incorporated into the revised IP 71111.21 (Component Design Bases Inspection).

DISTRIBUTION: Standard

END