



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Dec 05, 1990

DEC 05 1990

MEMORANDUM FOR: M. Wayne Hodges, Director
Division of Reactor Safety
Region I

FROM: Frank P. Gillespie, Director
Program Management, Policy Development,
and Analysis Staff
Office of Nuclear Reactor Regulation

SUBJECT: CREDIT FOR PREVIOUS ELECTRICAL INSPECTIONS PERFORMED
BY REGION I

Reference: Memorandum, J. Durr to W. Lanning, NRC, Subject: Electrical
Distribution System Functional Inspection, September 20, 1990.

In the referenced memorandum you indicated that Region I plans to take full credit for six previously performed inspections as mandatory Electrical Distribution System Functional Inspections (EDSFI). As noted in Temporary Instruction (TI) 2515/107, this requires concurrence by the Director, Program Management, Policy Development, and Analysis Staff. The Special Inspections Branch, Division of Reactor Inspection and Safeguards, has compared the inspection scope and depth of these inspections to the requirements of the EDSFI temporary instruction and to the five pilot inspections performed to date. This was accomplished by establishing a matrix which consists of 21 criteria that were derived from the specific TI attributes and from the actual pilot inspections performed to date. These 21 criteria essentially capture the most significant inspection attributes of the TI, and if successfully completed would satisfy the requirements of the TI. The results of our review indicate that full credit can be taken only for the inspection performed at Fitzpatrick. For the remainder of the plants we believe credit can be taken as follows:

Pilgrim - credit can be taken for the electrical design review, testing, field equipment verifications, and engineering and technical support. A supplemental inspection in the area of mechanical support systems would be required to fulfill the requirements of the TI.

Salem - credit can be taken for the electrical design review, field equipment verifications, and engineering and technical support. A supplemental inspection in the area of electrical equipment testing and in the area of mechanical support systems would be required to fulfill the requirements of the TI.

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CDC

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CONTACT:
Jeffrey B. Jacobson, NRR
492-0996

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Peach Bottom - credit can be taken for the majority of the electrical design review, field equipment verifications, testing, and engineering and technical support. A supplemental inspection in the areas of mechanical support systems, electrical voltage regulation, and bus transfers would be required to fulfill the requirements of the TI.

Indian Point 2 - credit can be taken for portions of the electrical design review, field equipment verifications, and engineering and technical support. A supplemental inspection in the areas of voltage regulation, electrical equipment testing, and mechanical support systems would be required to fulfill the requirements of the TI.

Maine Yankee - credit can be taken for the electrical design review, testing, field equipment verifications, and engineering and technical support. A supplemental inspection in the area of mechanical support systems would be required to fulfill the requirements of the TI.

Oyster Creek - due to the limited scope of this inspection and the time that has elapsed since the completion of this inspection a complete EDSFI should be performed.

A copy of our evaluation matrix is provided as an enclosure to this memorandum. Should you have any questions concerning our conclusions we would be glad to discuss them with you. If you have any specific questions concerning the evaluation process, please contact Jeffrey Jacobson at FTS 492-0996.

Original signed by

Frank P. Gillespie, Director
Program Management, Policy Development,
and Analysis Staff
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

Distribution:

EkGrimes, NRR
EViImbro, NRR
UPotapovs, NRR
MWPerovich, NRR
AFGibson, RII
RPZimmerman, RV
RSID R/F

BDLiaw, NRR
RAGramm, NRR
PFMcKee, NRR
SPStein, NRR
HJMiller, RII
Central Files

WDLanning, NRR
JBJacobson, NRR
EJButcher, NRR
WHBateman, EDC
LJCallan, RIV
DRIS R/F

*See previous concurrence

DRIS:RSIB

SC:DRIS:RSIB

C:DRIS:RSIB

DD:DRIS

D:DRIS

C:12/28/90

JBJacobson*:sf

EViImbro*

WDLanning*

BDLiaw*

BKGrimes*

EJButcher

11/21/90

11/21/90

11/21/90

11/21/90

11/21/90

12/5/90

D:WAG 12/14
FPG Gillespie
12/14/90

ENCLOSURE

Fitz 89-90	Indian Point 2 87-07	88-200	Maine 87-12	Yankee 89-90	Oyster Creek 86-37	Peach Bottom 2 & 3 89-07	Pilgrim 88-C8	Salem 1 & 2 87-35
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CRITERIA

Offsite grid	1			1		1	1	1
Swgr. sizing	1	1	1	1	1	1	1	1
Diesel load rating	1	1		1	1	1	1	1
Diesel voltage regulation	1			1	1		1	1
Battery sizing (including voltage drop to loads)	1	1	1	1	1	1	1	1
DC short circuit study	1		1	1		1	1	1
Coordination of protective devices	1	1	1	1	1	1	1	1
Bus transfers	1	1						1
Degraded grid/undervoltage relays	1		1			1	1	
Voltage regulation when fed from normal power	1			1				
Diesel auxiliaries systems	1		1					
Class 1E HVAC	1							
Inverter sizing and testing			1					
Translation of mechanical to electrical load requirements	1			1			1	
Diesel testing	1						1	
Breaker testing	1			1		1	1	
Setpoint control/relay testing	1					1	1	1
Battery testing	1			1		1	1	
Modification review	1	1	1	1	1	1	1	1
Other E&Ts review	1	1		1		1	1	1
Field verification of settings/equipment	1	1		1	1	1	1	1

1 = adequate coverage of TI attribute
 1 = partial coverage of TI attribute