



June 3, 2002

AEP:NRC:2455-01

Docket No: 50-315

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Unit 1
STEAM GENERATOR TUBE INSERVICE INSPECTION REPORT

Pursuant to the requirements of the Donald C. Cook Nuclear Plant Unit 1 Technical Specification 4.4.5.5.a, Indiana Michigan Power Company is submitting this letter to notify the Nuclear Regulatory Commission of the results the Unit 1 Cycle 18 steam generator inspection.

Eddy current inspections were conducted on all four Unit 1 steam generators. No defective or degraded tubes were identified; however, four tubes were administratively plugged as a result of changes in signal response from the original baseline examinations. The attachment to this letter provides the inspection findings, indication dispositions and the steam generator repair action taken during the Unit 1 Cycle 18 refueling outage.

There are no new commitments in this submittal. Should you have any questions, please contact Mr. Gordon P. Arent, Manager of Regulatory Affairs, at (616) 697-5553.

Sincerely,

A handwritten signature in black ink, appearing to read "S. A. Greenlee". The signature is stylized and includes a large flourish that loops back under the name. Below the signature, the name "S. A. Greenlee" is printed in a standard font.

S. A. Greenlee
Director of Nuclear Technical Services

TW/dmb

A047

c: K. D. Curry
J. E. Dyer
MDEQ – DW & RPD
NRC Resident Inspector
R. Whale

ATTACHMENT TO AEP:NRC:2455-01

**EDDY CURRENT FINDINGS AND REPAIRS DURING THE UNIT 1
CYCLE 18 REFUELING OUTAGE**

Eddy current inspections were conducted on all four Unit 1 steam generators during the Donald C. Cook Nuclear Plant Unit 1 Cycle 18 outage (U1C18). The inspection included a 100 % full-length examination using a bobbin coil probe. In addition, select rotating coil inspections were conducted on a sample of the bobbin data for enhanced characterization. No defective or degraded tubes were identified; however, four tubes were administratively plugged as a result of changes in signal response from the original baseline examination. The tube locations and indication information is noted below:

Steam Generator	Plugged Tube Location	Indication	Indication Location
SG 11	Row 13/Column 85	MBI*	Tubesheet Cold + 14.97"
SG 11	Row 16/Column 40	MBI MBI	6 th Cold Leg Support + 34.48" 5 th Cold Leg Support + 37.06"
SG 13	Row 19/Column 61	MBI	6 th Cold Leg Support + 19.45"
SG 14	Row 69/Column 45	MBI	1 st Cold Leg Support + 12.06"

*Manufacturing Burnish Mark Indication

The following table presents the repair status of the Unit 1 steam generators.

Steam Generator	Number of Tubes/SG	Number of Plugged Tubes	Overall Plugging Percentage
SG 11	3496	2	0.06 %
SG 12	3496	0	0.0 %
SG 13	3496	1	0.03 %
SG 14	3496	1	0.03 %