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Byron Generating Station
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December 22, 1995

LTR: BYRON-95-5174

FILE: 3.11.0530

Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Byron Station Unit 1, Steam Generator Tube Repairs During Byron 1
Planned Outage (B1P02)

REFERENCE: LER 454: 95-011

This letter is to inform the staff of steam generator tubes repaired during the B1P02 inspection conducted between November and December of 1995. Repaired conditions are defined as tubes either requiring Inconel-690 mechanical or weld-on plugs and Inconel-690 laser welded sleeves. This information is being reported pursuant to operating License NPF-37, Appendix A, Technical Specification 3/4.4.5.a.

All tubes in each steam generator were inspected from the hot leg tube end to the cold leg tube end for the bobbin eddy current inspection. Also, each tube was inspected utilizing the plus-point technology at the top of the tubesheet. Based on the results of these inspections, it was determined that each steam generator would be classified as C-3 category pursuant to Technical Specification 4.4.5.2. Byron Station LER 454: 95-011 addresses the C-3 category for each steam generator. Specific details of the inspection are forthcoming in the 90 day Steam Generator Tube Inservice Inspection Report pursuant to Technical Specification 4.4.5.5.b.

As a result of the inspections, a total of 2,812 tubes have been repaired during the B1P02 outage. Repairs were completed on December 18, 1995. The tube repair distribution for each steam generator is provided in the attached Table 1.

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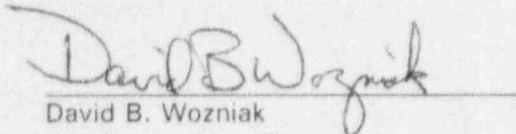
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If there are any additional questions, please contact Mr. Joe Lonigro at (815) 234-5441, extension 2166.



David B. Wozniak
Site Engineering Manager
Byron Nuclear Power Station

DBW/JKL/cb

Attachment

cc: H. J. Miller, NRC Regional Administrator - RIII
G. F. Dick, Jr., Byron Project Manager - NRR
H. Peterson, Senior Resident Inspector, Byron
L. F. Miller, Jr., Reactor Projects Chief - RIII
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Site Engineering File

TABLE 1: ALL TUBES REPAIRED DURING B1P02

REASON	SG A	SG B	SG C	SG D	Total
TUBES PLUGGED					
Stabilized	207	97	25	236	565
Sleeve Configuration (Circumferential Indications)	198	92	25	236	551
Cable (Short Extension) (1)	7	0	0	0	7
Cable (Long Extension)(2)	2	5	0	0	7
Sleeving - Plugged	0	2	2	1	5
Plugged (Sentinel - HL, Mechanical - CL)	1	0	0	0	1
Plugged (Welded - HL, Mechanical - CL)	8	0	0	0	8
Plugged (Mechanical HL & CL)	93	31	33	30	187
TOTAL TUBES PLUGGED DURING B1P02	309	130	60	267	766
TUBES SLEEVED					
Sleeved - Laser Welded Sleeve	0	893	704	449	2046
TOTAL TUBES SLEEVED DURING B1P02	0	893	704	449	2046
TOTAL TUBES REPAIRED DURING B1P02	309	1023	764	716	2812
TUBES PLUGGED IN PREVIOUS OUTAGES	458	514	562	218	1752
TOTAL OF ALL TUBES REPAIRED (PRESERVICE TO B1P02)					
TUBES PLUGGED	767	644	622	485	2518
TUBES SLEEVED	0	893	704	449	2046

HL - Hot Leg

CL - Cold Leg

(1) Short Cable stabilizer used for tubes surrounding remnant tubes from removal (24-42 & 14-37)

(2) Long cable stabilizer used for tube remnants in SG A (Welded HL, Mechanical CL)

Long cable stabilizer used for misplaced welds in SG B (20-85, 21-85, 23-85, 24-85 & 23-86)