

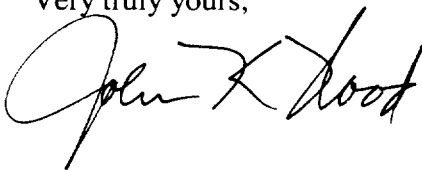
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Vice President, Nuclear440-280-5224
Fax: 440-280-8029February 23, 2001
PY-CEI/NRR-2548LUnited States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555Perry Nuclear Power Plant
Docket No. 50-440
Subject: 2000 Annual Report

Ladies and Gentlemen:

Attached is the 2000 Annual Report for the Perry Nuclear Power Plant (PNPP), Unit 1. This report is submitted in accordance with Technical Specification 5.6.1 and 10 CFR 50.46, and fulfills ongoing commitments associated with Licensing Commitment 17 contained in the PNPP Updated Safety Analysis Report, Appendix 1B.

If you have questions or require additional information, please contact Mr. Gregory A. Dunn, Manager-Regulatory Affairs at (440) 280-5305.

Very truly yours,



Attachment

cc: NRC Project Manager
NRC Resident Inspector Office
NRC Region III
REIRS Project Manager

A001

FIRSTENERGY NUCLEAR OPERATING COMPANY

PERRY NUCLEAR POWER PLANT

January 1, 2000 to December 31, 2000

ANNUAL REPORT TO NRC

DOCKET NUMBER: 50-440

LICENSE NUMBER: NPF-58

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10 CFR 50.46 Reporting of ECCS Errors and Model Changes

New Errors and Changes:

Changes:

The SAFER/GESTR analysis was updated to 105% Power Uprate conditions as described in a license amendment request dated September 9, 1999 (PY-CEI/NRR-2420L), and as supplemented by letters dated March 1, 2000 (PY-CEI/NRR-2470L), March 13, 2000 (PY-CEI/NRR-2477L) and May 11, 2000 (PY-CEI/NRR-2499L). Amendment 112 (105% Power Uprate) to Perry's Operating License was issued by the NRC on June 1, 2000. Power Uprate was implemented during the June 2000 Mid-Cycle 8 Maintenance Outage.

In the 1999 Annual Report, an error was reported in the SAFER/GESTR model. It was an error in the heat transfer area for the vessel heat slabs. The error in the input data file was caused by a logic error in an automated data file generation program. This modeling error was corrected in the SAFER/GESTR power uprate analysis.

Errors:

One error was reported in 2000 (November) in the SAFER/GESTR model. The error was in the selection of the size of the time steps used by the SAFER code. The error reduces the Licensing Basis Peak Cladding Temperature (PCT) by 5°F. This error has been corrected in the cycle 9 core analysis.

Silicone Sealant Inspections

No inspections were scheduled or performed this year. Inspection activities are currently scheduled to be performed in RFO8 (February-March, 2001).

Occupational Radiation Exposure Summary Report

Attached is the 2000 Annual Occupational Exposure Summary Report for the Perry Nuclear Power Plant as required by Technical Specification 5.6.1.

The Number of Personnel is based on the number of individuals with greater than 100 mrem on any Radiation Work Permit (RWP) in the corresponding categories. The dose assignments or Total Man-mrem are based on Direct Reading Dosimeter readings. The Work Function is based on the RWP under which the individual worked and the individual may be counted in more than one category. The Job Function and the Station/Utility/Other is based on personnel record of persons signing in on the applicable RWP.

No activities for 2000 were categorized as Special Maintenance.

**2000 PERRY NUCLEAR POWER PLANT TECHNICAL SPECIFICATION 5.6.1 APPENDIX A REPORT
(REG GUIDE 1.16)**

Work & Job Function	Number of Personnel (>100 mrem)			Total Man-mrem		
	Station Employees	Utility Employees	Contract Workers and Others	Station Employees	Utility Employees	Contract Workers and Others
Reactor Operations & Surveillance						
Maintenance Personnel	0	0	0	62	0	0
Operating Personnel	0	0	0	10	0	0
Health Physicis Personnel	0	0	0	89	0	0
Supervisory Personnel	0	0	0	0	0	0
Engineering Personnel	0	0	0	0	1	0
Routine Maintenance						
Maintenance Personnel	69	4	52	14440	710	18952
Operating Personnel	39	1	14	10536	657	2288
Health Physicis Personnel	22	2	0	5521	636	158
Supervisory Personnel	0	0	0	68	2	69
Engineering Personnel	1	0	1	798	383	273
Inservice Inspection						
Maintenance Personnel	0	0	0	67	0	0
Operating Personnel	0	0	0	0	0	0
Health Physicis Personnel	0	0	0	22	0	0
Supervisory Personnel	0	0	0	0	0	0
Engineering Personnel	0	0	0	0	0	0
Special Maintenance						
Maintenance Personnel	0	0	0	0	0	0
Operating Personnel	0	0	0	0	0	0
Health Physicis Personnel	0	0	0	0	0	0
Supervisory Personnel	0	0	0	0	0	0
Engineering Personnel	0	0	0	0	0	0
Waste Processing						
Maintenance Personnel	0	0	0	56	0	0
Operating Personnel	0	0	0	584	120	134
Health Physicis Personnel	0	0	0	232	40	9
Supervisory Personnel	0	0	0	0	1	0
Engineering Personnel	0	0	0	47	0	0
Refueling						
Maintenance Personnel	0	0	0	0	0	0
Operating Personnel	0	0	0	0	0	0
Health Physicis Personnel	0	0	0	0	0	0
Supervisory Personnel	0	0	0	0	0	0
Engineering Personnel	0	0	0	0	0	0
Total						
Maintenance Personnel	69	4	52	14625	710	18952
Operating Personnel	39	1	14	11130	777	2422
Health Physicis Personnel	22	2	0	5864	676	167
Supervisory Personnel	0	0	0	68	3	69
Engineering Personnel	1	0	1	845	384	273
Grand Total	131	7	67	32532	2550	21883