

Richard Anderson  
Vice President-Nuclear

440-280-5579  
Fax: 440-280-8029

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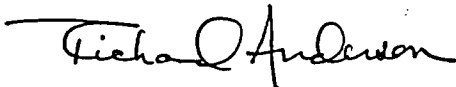
Perry Nuclear Power Plant  
Docket No. 50-440  
Subject: 2004 Annual Report

Ladies and Gentlemen:

Attached is the 2004 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. Jeffrey Lausberg, Manager-Regulatory Compliance at (440) 280-5940.

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, 2004 to December 31, 2004

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ANNUAL REPORT TO NRC

DOCKET NUMBER: 50-440  
LICENSE NUMBER: NPF-58

Contents

10 CFR 50.46 Reporting of Emergency Core Cooling System (ECCS) Errors and Model  
Changes  
Silicone Sealant Inspections  
Occupational Radiation Exposure Summary Report

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10 CFR 50:46 Reporting of ECCS Errors and Model Changes

New Errors and Changes:

Changes:

None

Errors:

None

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*Note:*

Global Nuclear Fuels (GNF) did issue one notice to site on May 14, 2004 - GNF Notification 2003-05, dated May 14<sup>th</sup>, 2004. This notification documents correspondence to the Perry site in 2003 discussing an error in the SAFER/GESTR model. This issue was included in the 2003 NRC Annual Letter PY-CEI/NRR-2774L, dated March 1, 2004.

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Silicone Sealant Inspections

No inspections were scheduled or performed this year. Inspection activities are currently scheduled to be performed in RFO10 (Feb-March, 2005).

Occupational Radiation Exposure Summary Report

Attached is the 2004 Annual Occupational Exposure Summary Report for the Perry Nuclear Power Plant as required by Technical Specification 5.6.1.

The Radiation Work Permit (RWP) under which an individual worked defines the Work Function. An individual may be counted in more than one category.

The Job Function and the Station/Utility/Contract Workers and Others are determined by record of individual signing onto an RWP.

The Number of Personnel >100 mrem are determined by the number of individuals with greater than 100 mrem in the corresponding Work and Job Function.

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Both the Number of Personnel >100 mrem and the Total Man-rem are determined using Direct Reading Dosimeters (DRD).

No work activity for 2004 was categorized as Special Maintenance or In-Service Inspection.

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2004 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 Person-rem		
	Station Employees	Utility Employees	Contract Workers and Others	Station Employees	Utility Employees	Contract Workers and Others
<b>Reactor Operations &amp; Surveillance</b>						
Maintenance Personnel	0	0	0	0.130	0.005	0.302
Operating Personnel	0	0	0	0.002	0.000	0.000
Health Physicist Personnel	0	0	0	0.134	0.000	0.001
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	0	0.029	0.000	0.000
<b>Routine Maintenance</b>						
Maintenance Personnel	69	3	29	17.720	1.542	12.583
Operating Personnel	47	2	1	13.941	0.525	0.373
Health Physicist Personnel	31	0	6	12.635	0.021	2.147
Supervisory Personnel	0	0	0	0.007	0.012	0.228
Engineering Personnel	0	0	0	0.508	0.137	0.054
<b>Inservice Inspection</b>						
Maintenance Personnel	0	0	0	0.000	0.000	0.000
Operating Personnel	0	0	0	0.000	0.000	0.000
Health Physicist Personnel	0	0	0	0.000	0.000	0.000
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
<b>Special Maintenance</b>						
Maintenance Personnel	0	0	0	0.000	0.000	0.000
Operating Personnel	0	0	0	0.000	0.000	0.000
Health Physicist Personnel	0	0	0	0.000	0.000	0.000
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
<b>Waste Processing</b>						
Maintenance Personnel	0	0	0	0.021	0.000	0.000
Operating Personnel	2	0	0	0.797	0.032	0.001
Health Physicist Personnel	0	0	0	0.401	0.000	0.014
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
<b>Refueling</b>						
Maintenance Personnel	1	2	20	0.472	0.358	4.372
Operating Personnel	1	0	0	0.387	0.028	0.074
Health Physicist Personnel	1	0	1	0.485	0.000	0.296
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	1	0	3	0.265	0.288	0.502
<b>Total</b>						
Maintenance Personnel	70	5	49	18.343	1.905	17.257
Operating Personnel	50	2	1	15.127	0.585	0.448
Health Physicist Personnel	32	0	7	13.655	0.021	2.458
Supervisory Personnel	0	0	0	0.007	0.012	0.228
Engineering Personnel	1	0	3	0.802	0.425	0.558
<b>Grand Total</b>	<b>153</b>	<b>7</b>	<b>60</b>	<b>47.934</b>	<b>2.948</b>	<b>20.947</b>