



Entergy

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OCAN020408

February 27, 2004

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Subject: Annual Occupational Exposure Data Report for 2003
Arkansas Nuclear One – Units 1 and 2
Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6

Dear Sir or Madam:

In accordance with Arkansas Nuclear One (ANO) Technical Specifications 5.6.1 and 6.9.1.5.a for ANO-1 and ANO-2, respectively, the Annual Occupational Exposure Data Report for 2003 is provided in the attachment to this letter. The attachment also includes a description of special maintenance resulting in notable personnel exposures per Regulatory Guide 1.16.

This submittal contains no commitments.

Should you have any questions, please contact Richard Scheide at 479-858-4618.

Sincerely,

Glenn R. Ashley
Manager, Licensing

GRA/rhs

Attachment

IES6

cc: Dr. Bruce S. Mallett
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

NRC Senior Resident Inspector
Arkansas Nuclear One
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U. S. Nuclear Regulatory Commission
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**Attachment
to
0CAN020408**

**Annual Personnel Exposure and Monitoring Report
2003**

Arkansas Nuclear One
Personnel Exposure and Monitoring Report, 2003
(Annual Operating Report Reg. Guide 1.16)

Individual doses are included only in those categories in which the dose was received. The total actual collective dose for personnel working at ANO during 2003 was 100.273 rem as recorded by electronic dosimeter.

Unit 1 Special Maintenance resulting in significant personnel dose included the following:

- Unit 1 Power Entries

Unit 2 Special Maintenance resulting in significant personnel dose included the following:

- On-Line Maintenance (Reactor Building work at power)
- Installation of permanent shielding
- Remove and Replace 'A' & 'B' Excore detectors (Including 'B' Excore conduit & cable modification)
- Spent Fuel Inspection & Reconstitution

**Personnel Exposure and Monitoring Report, 2003
(Annual Operating Report Regulatory Guide 1.16)**

Work & Job Function	Number of Personnel (>100 mrem)			Total Man-Rem		
	Station	Utility Employees	Contract	Station	Utility Employees	Contract
REACTOR OPERATIONS						
Maintenance Personnel	4	2	5	0.471	0.354	0.728
Operations Personnel	16	0	0	2.424	0.000	0.000
Health Physics Personnel	11	4	5	2.001	0.518	0.811
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	6	1	0	0.888	0.175	0.000
ROUTINE MAINTENANCE						
Maintenance Personnel	27	3	52	5.775	0.555	8.339
Operations Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	3	0	17	0.640	0.000	3.824
Supervisory Personnel	1	0	0	0.109	0.000	0.000
Engineering Personnel	1	0	1	0.125	0.000	0.318
INSERVICE INSPECTION						
Maintenance Personnel	6	3	27	3.181	3.281	12.566
Operations Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	4	1	1	0.799	0.207	0.314
Supervisory Personnel	2	1	1	1.502	0.769	0.336
Engineering Personnel	4	1	1	1.297	0.119	0.214
SPECIAL MAINTENANCE						
Maintenance Personnel	3	0	0	0.338	0.000	0.000
Operations Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	1	0	0	0.192	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
WASTE PROCESSING						
Maintenance Personnel	1	0	0	0.137	0.000	0.000
Operations Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	6	0	0	1.578	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
REFUELING						
Maintenance Personnel	14	0	1	4.662	0.000	0.279
Operations Personnel	13	0	0	4.426	0.000	0.000
Health Physics Personnel	2	1	1	0.997	0.141	0.153
Supervisory Personnel	6	0	0	1.537	0.000	0.000
Engineering Personnel	2	0	0	0.341	0.000	0.000
TOTALS						
Maintenance Personnel	55	8	85	14.564	4.190	21.912
Operations Personnel	29	0	0	6.850	0.000	0.000
Health Physics Personnel	27	6	24	6.207	0.866	5.102
Supervisory Personnel	9	1	1	3.148	0.769	0.336
Engineering Personnel	13	2	2	2.651	0.294	0.532
GRAND TOTAL	133	17	112	33.420	6.119	27.882