



Entergy

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OCAN040502

April 13, 2005

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

Subject: Annual Occupational Exposure Data Report for 2004  
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 (TS) 5.6.1 and 6.9.1.5.a for ANO-1 and ANO-2, respectively, the Annual Occupational Exposure Data Report is provided in the attached Personnel Exposure and Monitoring Report for 2004. This also includes a description of special maintenance resulting in notable personnel exposures per Regulatory Guide 1.16. Should you have any questions, please contact Dick Scheide at (479) 858-4618.

There are no commitments contained in this submittal.

Sincerely,

Dale E. James  
Acting Director, Nuclear Safety Assurance

DEJ/rhs

Attachment

JES6

cc: Dr. Bruce S. Mallett  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
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U. S. Nuclear Regulatory Commission  
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**Attachment  
to  
OCAN040502**

**Annual Occupational Exposure Data Report for 2004**

**Personnel Exposure and Monitoring Report, 2004  
(Annual Operating Report Regulatory 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 2004 was 106.636 person-rem as recorded by electronic dosimeter.

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

- Reactor building sump liner modification that cost 4.004 person-rem.

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

- None

Personnel Exposure and Monitoring Report, 2004  
Annual Operating Report Reg. Guide 1.16

WORK & JOB FUNCTION	Number of Personnel (>100 mrem)			Total Man-Rem		
	Station	Utility Employees	Contract	Station	Utility Employees	Contract
<b>REACTOR OPERATIONS</b>						
Maintenance Personnel	0	0	5	0.000	0.000	0.694
Operations Personnel	13	0	0	1.670	0.000	0.000
Health Physics Personnel	12	1	9	2.164	0.213	1.248
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
<b>ROUTINE MAINTENANCE</b>						
Maintenance Personnel	8	0	100	1.069	0.000	17.788
Operations Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	2	0	17	0.270	0.000	2.745
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	3	1	2	0.419	0.121	0.356
<b>INSERVICE INSPECTION</b>						
Maintenance Personnel	4	2	73	0.731	0.427	18.679
Operations Personnel	3	0	0	0.420	0.000	0.000
Health Physics Personnel	2	3	8	0.523	0.765	1.840
Supervisory Personnel	1	0	0	0.206	0.000	0.000
Engineering Personnel	1	0	0	0.225	0.000	0.000
<b>SPECIAL MAINTENANCE</b>						
Maintenance Personnel	0	0	0	0.000	0.000	0.000
Operations Personnel	0	0	0	0.000	0.000	0.000
Health Physics 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	5	0	6	1.058	0.000	1.906
Operations Personnel	2	0	0	0.409	0.000	0.000
Health Physics Personnel	10	0	0	1.763	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>REFUELING</b>						
Maintenance Personnel	8	7	2	1.429	1.357	0.222
Operations Personnel	4	3	0	0.591	0.388	0.000
Health Physics Personnel	3	0	1	0.489	0.000	0.192
Supervisory Personnel	7	0	0	1.270	0.000	0.000
Engineering Personnel	0	0	0	0.000	0.000	0.000
<b>TOTALS</b>						
Maintenance Personnel	25	9	186	4.287	1.784	39.289
Operations Personnel	22	3	0	3.090	0.388	0.000
Health Physics Personnel	29	4	35	5.209	0.978	6.025
Supervisory Personnel	8	0	0	1.476	0.000	0.000
Engineering Personnel	4	1	2	0.644	0.121	0.356
<b>GRAND TOTAL</b>	<b>88</b>	<b>17</b>	<b>223</b>	<b>14.706</b>	<b>3.271</b>	<b>45.670</b>