



Entergy

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OCAN020306

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U. S. Nuclear Regulatory Commission  
Document Control Desk  
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Washington, DC 20555

Subject: Arkansas Nuclear One - Units 1 and 2  
Docket Nos. 50-313 and 50-368  
License Nos. DPR-51 and NPF-6  
Annual Occupational Exposure Data Report for 2002

Dear Sir or Madam:

In accordance with Arkansas Nuclear One (ANO) Technical Specification (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 2002. This 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 Natalie Mosher at (479) 858-4635.

Sincerely,

Sherrie R. Cotton  
Director, Nuclear Safety Assurance

SRC/nbm  
attachment

IE56

cc: Mr. Ellis W. Merschhoff  
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**Arkansas Nuclear One**  
**Personnel Exposure and Monitoring Report for 2002**  
**(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 2002 was 276.875 rem.

ANO-1 special maintenance resulting in significant personnel dose included the following:

- Reactor vessel head nozzle inspection/maintenance

ANO-2 special maintenance resulting in significant personnel dose included the following:

- Excore detector repair/change out
- Tank cleaning
- Entries into containment at power for online maintenance

WORK & JOB FUNCTION	Number of Personnel (>100 mrem)			Station	Total Man-Rem	
	Station Employees	Utility Employees	Contract		Utility Employees	Contract
<b>REACTOR OPERATIONS</b>						
Maintenance Personnel	16	3	39	3.200	0.651	9.898
Operations Personnel	36	0	0	6.986	0.000	0.000
Health Physics Personnel	29	8	9	7.254	1.389	2.112
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	7	0	3	1.595	0.000	0.397
<b>ROUTINE MAINTENANCE</b>						
Maintenance Personnel	49	11	118	8.011	1.345	25.296
Operations Personnel	2	0	0	0.282	0.000	0.000
Health Physics Personnel	5	1	31	1.214	0.131	7.907
Supervisory Personnel	1	0	0	0.102	0.000	0.000
Engineering Personnel	2	0	1	0.258	0.000	0.206
<b>INSERVICE INSPECTION</b>						
Maintenance Personnel	13	1	80	2.420	0.121	29.223
Operations Personnel	2	0	0	0.380	0.000	0.000
Health Physics Personnel	8	0	1	1.500	0.000	0.168
Supervisory Personnel	3	0	1	0.445	0.000	0.328
Engineering Personnel	9	0	3	2.341	0.000	0.551
<b>SPECIAL MAINTENANCE</b>						
Maintenance Personnel	26	1	112	12.065	0.398	54.197
Operations Personnel	7	0	0	2.183	0.000	0.000
Health Physics Personnel	15	2	3	3.791	0.983	0.992
Supervisory Personnel	4	1	0	1.477	0.149	0.000
Engineering Personnel	3	1	5	0.538	0.391	1.474
<b>WASTE PROCESSING</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	7	0	1	1.237	0.000	0.269
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	18	0	2	6.036	0.000	0.355
Operations Personnel	27	0	0	6.522	0.000	0.000
Health Physics Personnel	9	0	2	2.454	0.000	0.304
Supervisory Personnel	6	0	0	2.134	0.000	0.000
Engineering Personnel	0	0	1	0.000	0.000	0.149
<b>TOTALS</b>						
Maintenance Personnel	122	16	351	31.732	2.515	118.969
Operations Personnel	74	0	0	16.353	0.000	0.000
Health Physics Personnel	73	11	47	17.450	2.503	11.752
Supervisory Personnel	14	1	1	4.158	0.149	0.328
Engineering Personnel	21	1	13	4.732	0.391	2.777
<b>GRAND TOTAL</b>	<b>304</b>	<b>29</b>	<b>412</b>	<b>74.425</b>	<b>5.558</b>	<b>133.826</b>