



Entergy

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U. S. Nuclear Regulatory Commission
Document Control Desk
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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

IE 56

cc: Mr. Ellis W. Merschoff
Regional Administrator
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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

Personnel Exposure and Monitoring Report, 2002
Annual Operating Report Reg. Guide 1.16

WORK & JOB FUNCTION	Number of Personnel (>100 mrem)			Station	Total Man-Rem	
	Station	Utility	Contract		Utility	Contract
	Employees	Employees			Employees	
=====						
REACTOR OPERATIONS						
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
ROUTINE MAINTENANCE						
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
INSERVICE INSPECTION						
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
SPECIAL MAINTENANCE						
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
WASTE PROCESSING						
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
REFUELING						
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
TOTALS						
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
GRAND TOTAL	304	29	412	74.425	5.558	133.826