

February 27, 1997

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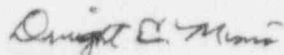
U. S. Nuclear Regulatory Commission  
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Washington, DC 20555

Subject: Arkansas Nuclear One - Units 1 and 2  
Docket Nos. 50-313 and 50-368  
License Nos. DPR-51 and NPF-6  
1996 Occupational Exposure Data Report

Gentlemen:

In accordance with Arkansas Nuclear One (ANO) technical specifications 6.12.2.2 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 1996. This also includes a description of special maintenance resulting in notable personnel exposures per Regulatory Guide 1.16, "Reporting of Operating Information - Appendix A Technical Specifications." Should you have any questions, please contact me.

Very truly yours,

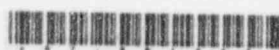


Dwight C. Mims  
Director, Nuclear Safety

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Personnel Exposure and Monitoring Report, 1996  
Annual Operating Report Reg. Guide 1.16

WORK & JOB FUNCTION	Number of Personnel (>100 mrem)			Total Man-Rem		
	Station	Utility	Contract	Station	Utility	Contract
Employees						
=====						
REACTOR OPERATIONS						
Maintenance Personnel	11	5	28	1.517	1.277	4.488
Operations Personnel	29	2	0	5.008	0.593	0.000
Health Physics Personnel	48	6	18	15.516	1.816	4.359
Supervisory Personnel	4	0	1	0.504	0.000	0.382
Engineering Personnel	5	0	0	1.029	0.000	0.000
ROUTINE MAINTENANCE						
Maintenance Personnel	42	7	54	6.372	1.130	8.666
Operations Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	2	0	0	0.270	0.000	0.000
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	1	0	3	0.116	0.000	0.499
INSERVICE INSPECTION						
Maintenance Personnel	3	1	79	0.768	0.133	35.629
Operations Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	8	0	3	4.263	0.000	0.458
Supervisory Personnel	2	0	0	0.350	0.000	0.000
Engineering Personnel	7	0	6	1.464	0.000	2.933
SPECIAL MAINTENANCE						
Maintenance Personnel	12	0	87	1.953	0.000	23.825
Operations Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	2	0	2	0.254	0.000	0.501
Supervisory Personnel	0	0	1	0.000	0.000	0.150
Engineering Personnel	7	1	7	1.125	0.109	3.612
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	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
REFUELING						
Maintenance Personnel	14	4	22	3.215	0.894	4.816
Operations Personnel	10	0	0	1.774	0.000	0.000
Health Physics Personnel	4	0	1	1.055	0.000	0.108
Supervisory Personnel	5	0	0	1.099	0.000	0.000
Engineering Personnel	1	0	3	0.106	0.000	0.592
TOTALS						
Maintenance Personnel	82	17	270	13.825	3.434	77.424
Operations Personnel	39	2	0	6.782	0.593	0.000
Health Physics Personnel	64	6	24	21.358	1.816	5.426
Supervisory Personnel	11	0	2	1.953	0.000	0.532
Engineering Personnel	21	1	19	3.840	0.109	7.636
GRAND TOTAL	217	26	315	47.758	5.952	91.018

## **1996 PERSONNEL EXPOSURE AND MONITORING REPORT**

### **(Annual Operating Report Regulatory Guide 1.16)**

Individual doses are included only in those work and job functions in which the personnel dose received was  $\geq 100$  mrem during the year. The total actual collective dose for personnel working at ANO during 1996 was 203,549 rem.

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

- B Decay Heat Pump seal maintenance: 3,343 mrem
- Isometric drawing update project discrepancy correction: 2,756 mrem
- Rotork valve conduit replacement: 3,252 mrem
- Scaffolding and insulation associated with refueling outage activities: 7,388 mrem
- Reactor Coolant Pump seal replacement during refueling outage: 1,073 mrem

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

- Support activities associated with steam generator inspection and maintenance: 22,941 mrem
- Installation of reactor cavity permanent seal plate: 3,227 mrem
- Reactor Coolant Pump seal replacement during forced outage: 1,180 mrem