



**Entergy
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10CFR20.407

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Subject: Arkansas Nuclear One - Units 1 and 2
Docket Nos. 50-313 & 50-368
License Nos. DPR-51 & NPF-6
1992 Occupational Exposure Data Report

Gentlemen:

In accordance with ANO-1 Technical Specification 6.12.2.2, ANO-2 Technical Specification 6.9.1.5.a, and 10CFR20.407, the annual Occupational Exposure Data Report for 1992 is included in the following attachments.

- Attachment A - Personnel Exposure and Monitoring Report, 1992
(Regulatory Guide 1.16)
- Attachment B - Description of Special Maintenance resulting in
notable personnel exposure (Regulatory Guide 1.16)
- Attachment C - Annual Whole Body Exposure Statistics (10CFR20.407)

Please contact me if you have any questions regarding this submittal.

Very truly yours,

James J. Fisicaro
Director, Licensing

JJF/NBM/prg
Attachments

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Attachment A

PERSONNEL EXPOSURE AND MONITORING REPORT, 1992
 (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			EMPLOYEES		
=====						
REACTOR OPERATION & SURV.						
Supervisory Personnel	0	0	0	0	0	0
Health Physics Personnel	0	0	0	0	0	0
Operations Personnel	65	0	0	15.975	0	0
Maintenance Personnel	3	0	0	.555	0	0
Engineering Personnel	1	0	0	.150	0	0
ROUTINE MAINTENANCE						
Supervisory Personnel	9	0	2	2.075	0	.745
Health Physics Personnel	61	0	152	21.183	0	51.825
Operations Personnel	1	0	1	.115	0	.320
Maintenance Personnel	131	1	331	32.227	.111	88.769
Engineering Personnel	13	0	39	1.949	0	11.592
IN-SERVICE INSPECTION						
Supervisory Personnel	0	0	0	0	0	0
Health Physics Personnel	5	0	9	.835	0	1.805
Operations Personnel	0	0	0	0	0	0
Maintenance Personnel	1	0	197	.115	0	69.540
Engineering Personnel	1	0	3	.175	0	.845
SPECIAL MAINTENANCE						
Supervisory Personnel	3	0	1	.886	0	.361
Health Physics Personnel	27	6	64	8.486	1.278	21.703
Operations Personnel	2	0	0	.212	0	0
Maintenance Personnel	84	0	527	21.688	0	232.231
Engineering Personnel	2	0	45	.565	0	13.773
WASTE PROCESSING						
Supervisory Personnel	0	0	0	0	0	0
Health Physics Personnel	10	0	7	2.385	0	2.190
Operations Personnel	2	0	0	.313	0	0
Maintenance Personnel	2	0	3	.240	0	.488
Engineering Personnel	0	0	2	0	0	.237
REFUELING						
Supervisory Personnel	1	0	0	.105	0	0
Health Physics Personnel	25	1	101	5.005	.125	23.463
Operations Personnel	25	0	1	4.002	0	.460
Maintenance Personnel	24	0	230	6.678	0	61.737
Engineering Personnel	1	1	17	.305	.124	5.087
TOTALS						
Supervisory Personnel	10	0	3	3.066	0	1.106
Health Physics Personnel	69	6	206	37.894	1.403	100.986
Operations Personnel	70	0	1	20.617	0	.780
Maintenance Personnel	157	1	881	61.503	.111	452.765
Engineering Personnel	15	1	92	3.144	.124	31.534
GRAND TOTALS	321	8	1183	126.224	1.638	587.171

An individual and his exposure are included in only those categories in which he received more than 100 millirem. The total actual collective dose for personnel working at Arkansas Nuclear One during 1992 was 876.367 man-rem.

ATTACHMENT B

PERSONNEL EXPOSURE AND MONITORING REPORT, 1992
(Annual Operating Report Reg. Guide 1.16)

Unit 1 special maintenance resulting in significant personnel exposure included: replacement of the "D" reactor coolant pump, 100% steam generator inspection and an expanded scope of maintenance, control rod drive mechanism flange gasket replacements, chemical decontamination of the reactor building portion of the drain header, letdown system, and the quench tank, extensive scope of inservice inspections, and RCS insulation replacement.

Unit 2 special maintenance resulting in significant personnel exposure included: a forced shutdown for steam generator inspection and repairs, replacement of "A" reactor coolant pump motor, replacement of the "B" steam generator feedwater nozzle, 100% snubber inspection and the removal to long standing crud traps from the internals of valves 2SI-15B and 15D.

Attachment C

PERSONNEL EXPOSURE AND MONITORING REPORT, 1992

ANNUAL WHOLE BODY EXPOSURE STATISTICS

ANNUAL DOSE RANGES FOR YEAR: 1992
(REM)NUMBER OF INDIVIDUALS
IN EACH RANGE

NO MEASURABLE EXPOSURE	1370
MEASURABLE EXPOSURE LESS THAN .100	1353
.100 - .250	646
.250 - .500	528
.500 - .750	266
.750 - 1.0	161
1.0 - 2.0	136
2.0 - 3.0	24
3.0 - 4.0	0
4.0 - 5.0	0
5.0 - 6.0	0
6.0 - 7.0	0
7.0 - 8.0	0
8.0 - 9.0	0
9.0 - 10.0	0
10.0 - 11.0	0
11.0 - 12.0	0
12.0 +	0

NUMBER OF INDIVIDUALS REPORTED = 4484

The above information is submitted for the total number of individuals for whom personnel monitoring was (check one):

_____ Required under 10 CFR 20.207 (i) or 10 CFR 34.33(a) during the calendar year.

☒ Provided during the calendar year.

* Individual values exactly equal to the values separating exposure ranges are reported in the higher range.