

IES
UTILITIES INC.

February 28, 1994
NG-94-0852

REIRS Project Manager
Office of Nuclear Regulatory Research
Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Subject: Duane Arnold Energy Center
Docket No. : 50-331
Op. License No. : DPR-49
Personnel Monitoring Report
File: NRC-7a, A-118e

Dear Sir:

Please find enclosed one (1) copy of the Personnel Monitoring Report required by 10CRF20.407. This report satisfies the reporting requirements for license DPR-49.

Please find enclosed one (1) copy of the 1993 Annual Exposure Report for the Duane Arnold Energy Center. This satisfies the requirements of Appendix A, Technical specification 6.11.1b (Appendix A to the Operations License DPR-49).

Sincerely,

David L. Wilson

David L. Wilson
Plant Superintendent-Nuclear

DLW/RH/sf

Attachments

cc: John Franz
Robert Hite
Dave Miller
Ken Peveler
Jeff Thorsteinson
Gary VanMiddlesworth
Keith Young
John B. Martin, Region III Administrator
Robert Pulsifer, NRR
NRC Resident Inspector

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USNRC ANNUAL REG GUIDE 1.16 REPORT
 IOWA ELECTRIC LIGHT AND POWER COMPANY - NRC LICENSE DPR-49
 P.O. BOX 351
 CEDAR RAPIDS, IA 52406

WORK & JOB FUNCTION	NUMBER OF PERSONNEL (>100.0 mrem)			TOTAL MAN-REM		
	Station Employees	Utility Employees	Contract Workers & Others	Station Employees	Utility Employees	Contract Workers & Others
Reactor Operations & Surveillance						
Maintenance Personnel	13.456	0.011	2.823	7.772	0.004	1.097
Operating Personnel	33.946	0.000	0.156	23.972	0.000	0.063
Health Physics Personnel	10.279	0.000	24.246	5.483	0.000	17.472
Supervisory Personnel	7.171	2.041	1.787	2.134	3.603	0.476
Engineering Personnel	10.296	0.243	0.676	2.923	0.065	0.404
Routine Maintenance						
Maintenance Personnel	102.417	0.506	139.457	4.107	0.300	113.261
Operating Personnel	6.418	0.000	0.303	1.108	0.000	0.113
Health Physics Personnel	7.357	0.000	20.983	10.197	0.000	8.709
Supervisory Personnel	5.442	1.024	5.006	0.000	0.106	1.231
Engineering Personnel	25.085	0.875	12.017	0.000	0.170	8.898
Inservice Inspection						
Maintenance Personnel	0.392	2.483	58.500	0.096	1.100	33.757
Operating Personnel	0.332	0.000	0.000	0.000	0.000	0.000
Health Physics Personnel	0.105	0.000	2.217	0.962	0.000	1.269
Supervisory Personnel	0.000	0.000	2.703	0.000	0.000	0.722
Engineering Personnel	3.156	1.881	10.073	0.000	0.717	7.281
Special Maintenance						
Maintenance Personnel	5.897	0.000	9.437	4.399	0.000	3.881
Operating Personnel	0.582	0.000	0.620	0.257	0.000	0.326
Health Physics Personnel	1.035	0.000	0.770	0.646	0.000	0.557
Supervisory Personnel	0.069	0.000	0.013	0.010	0.000	0.004
Engineering Personnel	0.414	0.000	0.035	0.241	0.000	0.017
Waste Processing						
Maintenance Personnel	6.217	0.000	0.345	3.593	0.000	0.200
Operating Personnel	3.811	0.000	3.922	1.799	0.000	3.683
Health Physics Personnel	1.341	0.000	0.382	1.002	0.000	0.200
Supervisory Personnel	0.280	0.000	0.010	0.033	0.000	0.004
Engineering Personnel	0.204	0.000	0.000	0.072	0.000	0.000
Refueling						
Maintenance Personnel	3.892	0.000	31.056	2.859	0.000	16.081
Operating Personnel	1.890	0.000	0.000	0.508	0.000	0.000
Health Physics Personnel	0.884	0.000	10.403	0.917	0.000	3.749
Supervisory Personnel	0.038	0.000	0.481	0.014	0.000	0.183
Engineering Personnel	4.845	1.000	11.131	1.151	0.209	4.508
Totals						
Maintenance Personnel	132.271	3.000	241.617	94.769	1.405	168.277
Operating Personnel	46.980	0.000	5.000	30.610	0.000	4.185
Health Physics Personnel	21.000	0.000	59.000	12.251	0.000	31.955
Supervisory Personnel	13.000	3.065	10.000	3.299	3.709	2.619
Engineering Personnel	44.000	4.000	33.933	15.546	1.161	21.109
Grand Totals	257.000	10.000	350.000	156.475	6.275	228.145

TOTAL SITE DOSE (TLD) FOR 1993 : 407.132 man-rem

ANNUAL OCCUPATIONAL RADIATION EXPOSURE 10CFR20 REPORT
PERSONNEL WHOLE BODY EXPOSURE FOR CALENDAR YEAR 1993
P.O. BOX 351
CEDAR RAPIDS, IOWA 52406

IOWA ELECTRIC LIGHT AND POWER COMPANY - NRC LICENSEE DPR-49

ANNUAL DOSE RANGES* (REM)	NUMBER OF INDIVIDUALS IN EACH RANGE
NO MEASURABLE EXPOSURE	1940
MEASURABLE EXPOSURE <0.100	297
0.10 - 0.25	186
0.25 - 0.50	166
0.50 - 0.75	135
0.75 - 1.00	103
1.00 - 2.00	143
2.00 - 3.00	13
3.00 - 4.00	0
4.00 - 5.00	0
5.00 - 6.00	0
6.00 - 7.00	0
7.00 - 8.00	0
8.00 - 9.00	0
9.00 - 10.00	0
10.00 - 11.00	0
11.00 - 12.00	0
12.00+	0
TOTAL NUMBER OF INDIVIDUALS REPORTED:	2985

The above information is submitted for:

- (1) - The total number of individuals for whom personnel monitoring was required under 10CFR20.202 (a) or 10CFR34.33 (a) during the calendar year,
- (2) - The total number of individuals for whom personnel monitoring was provided during the calendar year including (1) above.

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