

PWR - Beaver Valley

Director of Management and Program Analysis
United States Nuclear Regulatory Commission
Washington, D. C. 20555

February 23, 1982

DUQUESNE LIGHT COMPANY Beaver Valley Power Station - Unit 1 Post Office Box 4 Shippingport, PA 15077-0004	NRC License No DPR-66
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PERSONNEL WHOLE BODY EXPOSURES FOR CALENDAR YEAR 1981

IF PERSONNEL MONITORING WAS NOT REQUIRED DURING THE YEAR, CHECK THIS BOX.

OTHERWISE, COMPLETE THE FOLLOWING TABLE:

Annual Whole Body Exposure Ranges * (Rems)	Number of Individuals in Each Range	
No Measurable Exposure	704	rem
Measurable Exposure Less Than 0.100 .05	719	35.95
0.100 -- 0.250 .175	329	57.58
0.250 -- 0.500 .375	87	32.63
0.500 -- 0.750 .625	44	27.50
0.750 -- 1.000 .875	24	21.00
1.000 -- 2.000 1.5	31	46.50
2.000 -- 3.000 2.5	3	7.5
3.000 -- 4.000 3.5	0	
4.000 -- 5.000 4.5	0	
6.000 -- 7.000	0	
7.000 -- 8.000	0	
8.000 -- 9.000	0	
9.000 -- 10.000	0	
10.000 -- 11.000	0	
11.000 -- 12.000	0	
>12.000	0	

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Total number of individuals reported 1941 228.66

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

- required under 10 CFR 20.202(a) 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 shall be reported in the higher range.

Report prepared by J. J. Carey (412) 643-5255
Name for J. J. Carey Telephone Number

ASG

The total station dose for 1981 was 194.238 rem.

Iowa Electric Light and Power Company

February 24, 1982
DAEC-82-139

PRINCIPAL	
DIR	
S/D	
A/D	
DEPT	VIS
DATE	
DEPAC	7/11/82

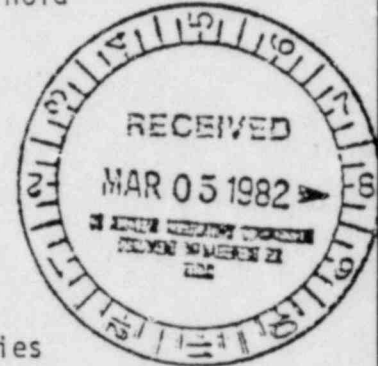
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Mr. James G. Keppler
Regional Administrator
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

00-331

SUBJECT: Annual Exposure for Duane Arnold
Energy Center

FILE: A-1183



Dear Mr. Keppler:

Please find enclosed one copy of the 1981 Annual Exposure Report for the Duane Arnold Energy Center. This report satisfies the requirements of Appendix A Technical Specification 6.11.1b (Appendix A to the Operating License DPR-49).

Daniel L. Mineck
Chief Engineer

DLM/KDY/1h
Attachment

- cc: L. Root
- R. McGaughy
- D. Wilson
- K. Young
- E. Parsons
- H. Smith

*DMB :
JEW
S/1*

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BWR-Duane Arnold

Iowa Electric Light and Power Company
 Duane Arnold Energy Center
 Calendar Year 1981

APPENDIX A
 STANDARD FORMAT FOR REPORTING NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION

Work & Job Function	Number of Personnel (> 100 mrem)			Total Man-Rem		
	Station Employees	Utility Employees	Contract Workers and Others	Station Employees	Utility Employees	Contract Workers and Others
Reactor Operations & Surveillance						
Maintenance Personnel	13	12	39	.676	1.616	2.407
Operating Personnel	14	3	7	30.218	.292	.129
Health Physics Personnel	10		75	2.482		15.248
Supervisory Personnel	13	2	18	1.395	.283	.511
Engineering Personnel	4	11	27	.298	2.238	1.419
Routine Maintenance						
Maintenance Personnel	27	48	369	20.286	21.767	296.832
Operating Personnel	33	7	8	18.903	6.730	.320
Health Physics Personnel	4		71	.075		13.310
Supervisory Personnel	20	4	42	2.799	.523	4.472
Engineering Personnel	9	17	72	1.075	1.267	10.750
Inservice Inspection						
Maintenance Personnel	10	14	186	.235	.969	24.560
Operating Personnel	14		4	1.219		.288
Health Physics Personnel	12		41	7.467		17.001
Supervisory Personnel	21	6	82	.533	.441	4.479
Engineering Personnel	8	17	122	4.405	2.392	35.349
Special Maintenance						
Maintenance Personnel	23	29	358	16.283	19.122	185.939
Operating Personnel	27	3	8	7.786	.930	.220
Health Physics Personnel	1		28	.010		1.353
Supervisory Personnel	12	2	26	2.249	.120	2.425
Engineering Personnel	7	10	42	.404	.636	6.926
Waste Processing						
Maintenance Personnel		5	14		.321	1.490
Operating Personnel	8	2	6	17.323	1.320	7.056
Health Physics Personnel	1		3	.015		.025
Supervisory Personnel	1		8	.005		.999
Engineering Personnel		1			.002	
Refueling						
Maintenance Personnel	3	4	10	.020	.518	.180
Operating Personnel	33	3	5	4.763	.245	.806
Health Physics Personnel	1		13	.010		.210
Supervisory Personnel	5	1	3	.670	.020	.655
Engineering Personnel	3	1	5	.220	.015	.057
TOTAL						
Maintenance Personnel	27	51	500	37.500	44.313	511.408
Operating Personnel	48	7	18	80.212	9.517	8.819
Health Physics Personnel	14		101	10.059		47.147
Supervisory Personnel	32	9	108	7.651	1.387	12.567
Engineering Personnel	9	23	153	6.402	6.550	55.500
Grand Total	130	90	880	141.824	61.767	635.441

839.032

≈ (839 mrem)

BWR-Duane Arnold (21)