



Illinois Power Company  
Clinton Power Station  
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February 25, 1994

Docket No. 50-461

10CFR50.36

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Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Annual Operating Report

Dear Sir:

In accordance with Section 6.9.1.4 of the Clinton Power Station Technical Specifications, Illinois Power is submitting the Annual Operating Report for the period of January 1, 1993 through December 31, 1993 for Clinton Power Station. Attachment I provides the data associated with Personnel Man-Rem by Work and Job Function. Attachment II provides performance information pertaining to Safety Valve and Safety/Relief Valve Challenges and Primary Coolant Specific Activity Analysis.

Sincerely yours,

Richard F. Phares  
Director, Licensing

SFB/csm

Attachments

cc: NRC Region III, Regional Administrator  
NRC Clinton Licensing Project Manager  
NRC Resident Office, V-690  
Director, Office of Nuclear Regulatory Research  
Illinois Department of Nuclear Safety

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ILLINOIS POWER COMPANY  
 CLINTON POWER STATION  
 P. O. Box 678  
 Clinton, IL 61727  
 Reg. Guide 1.16 Report

Reporting Year: 93

WORK & JOB FUNCTION	# PERSONNEL (>100 MREM)			TOTAL MAN-REM		
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
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Routine Operations and Surveillance						
Maintenance and Construction	131	1	259	3.819	0.022	4.843
Operations	53	2	10	4.788	0.332	0.354
Health Physics and Lab	49	0	53	11.250	0.000	17.079
Supervisory and Office Staff	29	1	9	2.842	0.005	0.301
Engineering Staff	25	0	19	0.698	0.000	0.255
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Routine Plant Maintenance						
Maintenance and Construction	93	1	53	2.402	0.013	1.086
Operations	30	1	1	0.988	0.020	0.006
Health Physics and Lab	26	0	8	0.994	0.000	0.201
Supervisory and Office Staff	5	0	2	0.074	0.000	0.093
Engineering Staff	4	0	0	0.134	0.000	0.000
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Inservice Inspection						
Maintenance and Construction	40	0	266	3.329	0.000	91.309
Operations	5	0	2	0.139	0.000	2.399
Health Physics and Lab	14	0	23	0.853	0.000	1.291
Supervisory and Office Staff	5	1	3	0.929	0.097	0.870
Engineering Staff	16	0	35	2.801	0.000	31.791
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Special Plant Maintenance						
Maintenance and Construction	151	3	451	40.559	0.473	116.649
Operations	53	2	7	13.81	0.349	0.608
Health Physics and Lab	48	0	51	7.754	0.000	6.426
Supervisory and Office Staff	24	1	7	3.390	0.028	0.848
Engineering Staff	27	0	15	3.896	0.000	0.752
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Waste Processing						
Maintenance and Construction	10	0	7	0.204	0.000	0.495
Operations	1	0	3	0.005	0.000	0.963
Health Physics and Lab	22	0	5	0.806	0.000	0.106
Supervisory and Office Staff	2	0	0	0.006	0.000	0.000
Engineering Staff	0	0	0	0.000	0.000	0.000
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Refueling Operations						
Maintenance and Construction	123	2	404	10.945	0.150	62.959
Operations	38	0	6	1.797	0.000	0.965
Health Physics and Lab	24	0	44	2.407	0.000	7.544
Supervisory and Office Staff	24	0	11	2.470	0.000	3.929
Engineering Staff	17	0	10	1.562	0.000	1.033
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WORK & JOB FUNCTION TOTALS:	1089	15	1764	125.736	1.488	355.155
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WORK & JOB FUNCTION	# PERSONNEL (>100 MREM)			TOTAL MAN-REM		
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
GRAND TOTALS:	312	6	606	125.736	1.488	355.155

Report of Personnel and Man-Rem by Work and Job Function

This report is a tabulation on an annual basis of the number of station, utility and other personnel (including contractors) who received exposures greater than 100 mrem/hr and their associated man-rem exposure according to work and job function.

The work and job function totals for personnel greater than 100 mrem/yr are different than grand totals because an individual may perform work under more than one work and job function during the year.

The total man-rem is based on a ratio of the official TLD results.

PERFORMANCE CHARACTERISTICS AND TESTS

Safety Valve and Safety/Relief Valve Challenges

Reference: NUREG-0737, Action Item II.K.3.3  
CPS Technical Specification Section 6.9.1.5(b)

There were no unplanned or planned challenges to Safety Relief Valves during 1993.

Primary Coolant Specific Activity Analyses

Reference: CPS Technical Specifications, Section 6.9.1.5(c)

All analyses for specific activity of primary coolant were within the limits of Technical Specification 3.4.5 for 1993.