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February 26, 1992

10CFR50.36

Docket No. 50-461

Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Subject: Annual Operating Report

Dear Sir:

In accordance with 10CFR50.36 and paragraph 6.9.1.4 of the Clinton Power Station Technical Specifications, Illinois Power Company is submitting the attached Clinton Power Station Annual Operating Report for the period of January 1, 1991 through December 31, 1991.

Sincerely yours,

F. A. Spangenberg, III  
Manager - Licensing and Safety

SFE/all

Attachments

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

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Clinton Power Station  
Clinton, Illinois

Annual Operating Report  
January 1, 1991 through December 31, 1991

USNRC Docket 50-461

### Attachments

- I. Personnel Man-Rem by Work and Job Function
- II. Performance Characteristics and Tests
  - \* Safety Valve and Safety/Relief Valve Challenges
  - \* Primary Coolant Specific Activity Analyses

ILLINOIS POWER COMPANY  
CLINTON POWER STATION  
RR3 BOX 678  
CLINTON, ILLINOIS 61727  
Reg. Guide 1.16 Report

Attachment 1  
to U-601927  
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Reporting Year: 91

WORK & JOB FUNCTION	# PERSONNEL (>100 MREM)			TOTAL MAN-REM		
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
Routine Operations and Surveillance						
Maintenance and Construction	124	1	292	41.108	0.260	94.469
Operations	27	0	10	12.093	0.000	1.875
Health Physics and Lab	38	0	47	16.899	0.000	14.083
Supervisory and Office Staff	9	0	15	1.671	0.000	2.585
Engineering Staff	10	0	18	1.983	0.000	3.889
Routine Plant Maintenance						
Maintenance and Construction	0	0	0	0.296	0.000	0.072
Operations	0	0	0	0.049	0.000	0.000
Health Physics and Lab	0	0	0	0.048	0.000	0.000
Supervisory and Office Staff	0	0	0	0.003	0.000	0.000
Engineering Staff	0	0	0	0.000	0.000	0.000
Inservice Inspection						
Maintenance and Construction	0	0	2	0.000	0.000	0.535
Operations	0	0	0	0.000	0.000	0.000
Health Physics and Lab	0	0	0	0.010	0.000	0.062
Supervisory and Office Staff	0	0	0	0.000	0.000	0.000
Engineering Staff	0	0	0	0.000	0.000	0.027
Special Plant Maintenance						
Maintenance and Construction	7	0	2	1.805	0.000	2.645
Operations	0	0	0	0.067	0.000	0.076
Health Physics and Lab	0	0	0	0.426	0.000	0.439
Supervisory and Office Staff	0	0	0	0.022	0.000	0.061
Engineering Staff	0	0	1	0.085	0.000	0.306
Waste Processing						
Maintenance and Construction	0	0	1	0.000	0.000	0.298
Operations	0	0	0	0.000	0.000	0.000
Health Physics and Lab	0	0	0	0.088	0.000	0.000
Supervisory and Office Staff	0	0	0	0.000	0.000	0.000
Engineering Staff	0	0	0	0.000	0.000	0.000
Refueling Operations						
Maintenance and Construction	0	0	0	0.407	0.000	0.971
Operations	0	0	0	0.118	0.000	0.062
Health Physics and Lab	0	0	1	0.063	0.000	0.282
Supervisory and Office Staff	0	0	0	0.070	0.000	0.216
Engineering Staff	0	0	0	0.017	0.000	0.175
WORK & JOB FUNCTION TOTALS	215	1	389	77.328	0.260	123.134

GRAND TOTALS	# PERSONNEL (>100 MREM)			TOTAL MAN-REM		
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
	210	1	389	77.328	0.260	123.134

Personnel Man-Rem by Work and Job Function

The work job function tabulation reflects the number of personnel who received greater than 100 mRem in any of the six identified categories. The totals section at the bottom of the report reflects all work and job functions where personnel received exposures greater than 100 mRem.

Due to job rotations during the year, there is not a direct correlation between the individual dose tabulation and the totals summary.

PERFORMANCE CHARACTERISTICS AND TESTS

Safety Valve and Safety/Relief Valve Challenges

(Reference: NUREG-0737, Action Item 11.K.3.3)

There were no unplanned or planned challenges to Safety Relief Valves during 1991.

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 1991.