

AmerGen

An Exelon/British Energy Company

Clinton Power Station

P.O. Box 678
Clinton, IL 61727
Phone: 217 935-8881

U-603463

1A.120

March 13, 2001

Docket No. 50-461

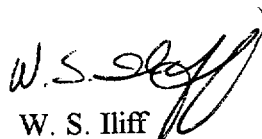
Document Control Desk
Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Annual Occupational Radiation Exposure Report

Dear Madam or Sir:

In accordance with Section 5.6.1 of the Clinton Power Station Technical Specifications, AmerGen Energy Company, LLC (AmerGen) is submitting the Annual Occupational Radiation Exposure Report for the period of January 1, 2000, through December 31, 2000, for the Clinton Power Station. The attachment to this letter provides the required information.

Sincerely yours,



W. S. Iliff
Director-Licensing

RSF/krk

Attachment

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

IE56

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/year and their associated man-rem exposure according to work and job functions.

The work and job function grand totals for personnel greater than 100 mrem/year are different than the actual number of personnel at the bottom of the report, 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.

A description of the Special Plant Maintenance performed in 2000 is as follows:

- **Radiation Work Permit 20001055** was for the removal and re-installation of the mechanical seal in the 'B' Reactor Recirculation System pump. This work included the installation and removal of shielding and scaffolds, and area decontamination activities.
- **Radiation Work Permit 20001063** was for Condensate Polisher (CP) modifications including installation of CP filters 'D', 'E' and 'F'. This work included the removal and re-installation of walls, installation and removal of shielding and scaffolds, and area decontamination activities. The work documents for this work include D55100, D55101, D55102, D55080, D55081, D55082, D59370 and D59372 along with the mechanical/electrical/instrumentation and structural work.
- **Radiation Work Permit 20001110** was for the temporary repair of the south flange on the Feedwater System 'A' venturi. This work included moving the clamp to the Auxiliary Building Steam Tunnel, installing the clamp, injecting sealant to stop leakage, and radiation protection coverage of the work.
- **Radiation Work Permit 20001160** was for replacing the Division 1 Emergency Core Cooling System waterleg pump and piping.
- **Radiation Work Permit 20001164** was for the Division 2 Residual Heat Removal System (RHR) waterleg pump (1E12C003) and piping reconfiguration to the discharge of RHR 'B' and RHR 'C' pumps. Associated work documents were F14682 and F15602.
- **Radiation Work Permit 20001169** was for the installation of ¾" Hot Taps on the Reactor Water Cleanup System (RT) at the RT Mezzanine. The work document was F08437

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

Attachment
to U-603463
Page 2 of 2

Reporting Year: 2000

WORK & JOB FUNCTION	# PERSONNEL (>100 MREM)			TOTAL MAN-REM		
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
+-----+						
Reactor Operations and Surveillance						
Maintenance and Construction	56	0	34	1.007	0.000	0.116
Operations	65	0	0	4.404	0.000	0.000
Health Physics and Lab	33	0	3	0.810	0.000	0.023
Supervisory and Office Staff	4	0	1	0.036	0.000	0.004
Engineering Staff	5	0	2	0.038	0.000	0.015
+-----+						
Routine Plant Maintenance						
Maintenance and Construction	96	8	384	43.412	1.687	98.412
Operations	69	0	0	17.982	0.000	0.000
Health Physics and Lab	41	0	46	14.945	0.000	12.087
Supervisory and Office Staff	18	0	2	1.494	0.000	0.324
Engineering Staff	12	0	23	0.879	0.000	1.204
+-----+						
Inservice Inspection						
Maintenance and Construction	2	0	70	0.060	0.000	5.804
Operations	0	0	0	0.000	0.000	0.000
Health Physics and Lab	4	0	7	0.110	0.000	0.200
Supervisory and Office Staff	2	0	0	0.140	0.000	0.000
Engineering Staff	6	0	15	0.752	0.000	5.209
+-----+						
Special Plant Maintenance						
Maintenance and Construction	15	0	55	0.828	0.000	3.385
Operations	11	0	0	0.125	0.000	0.000
Health Physics and Lab	7	0	7	0.101	0.000	0.313
Supervisory and Office Staff	2	0	1	0.019	0.000	0.020
Engineering Staff	3	0	1	0.039	0.000	0.086
+-----+						
Waste Processing						
Maintenance and Construction	0	0	2	0.000	0.000	0.173
Operations	2	0	0	0.008	0.000	0.000
Health Physics and Lab	11	0	3	0.162	0.000	0.167
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	10	0	96	0.202	0.000	9.417
Operations	13	0	0	0.173	0.000	0.000
Health Physics and Lab	9	0	22	0.437	0.000	2.175
Supervisory and Office Staff	1	0	0	0.001	0.000	0.000
Engineering Staff	1	0	8	0.103	0.000	0.203
+-----+						
WORK & JOB FUNCTION TOTALS:	498	8	782	88.267	1.687	139.337
+-----+						
WORK & JOB FUNCTION	# PERSONNEL (>100 MREM)			TOTAL MAN-REM		
	STATION	UTILITY	CONTRACT	STATION	UTILITY	CONTRACT
GRAND TOTALS:	498	8	782	88.267	1.687	139.337
Actual Number of Personnel	230	8	423			