

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH. NAME AUTHOR AFFILIATION
 WATSON, R. A. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Annual environ operating rept for 1987, per Tech Spec
 6.9.1.2.W/880215 ltr.

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 TITLE: Annual Radiation Exposure Report By Functions (Per Tech Specs)

NOTES: Application for permit renewal filed. 05000400

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	NMSS/IMSB	1	1	NRR/DOEA/EAB	1	1
	NRR/DREP/RPB	2	2	NRR/PMAS/ILRB	1	1
	<u>REG FILE</u> 02	1	1	RES BROOKS, B	2	2
	RG2 01	1	1			
EXTERNAL:	LPDR	1	1	NRC PDR	1	1
	NSIC	1	1			



RIMS II
NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION, 1987
HARRIS PLANT

WORK AND JOB FUNCTION	NUMBER OF PERSONNEL > 100 MREM			TOTAL MAN-REM		
	STAT	UTIL	CNTR	STAT	UTIL	CNTR
REACTOR OPERATIONS AND SURVEILLANCE						
MAINTENANCE PERSONNEL	2	0	12	0.566	0.042	7.436
OPERATING PERSONNEL	22	0	4	6.901	0.198	3.625
HEALTH PHYSICS PERSONNEL	13	1	30	8.115	0.256	8.339
SUPERVISORY PERSONNEL	0	0	0	0.020	0.039	0.022
ENGINEERING PERSONNEL	3	0	3	2.039	0.132	1.369
ROUTINE MAINTENANCE						
MAINTENANCE PERSONNEL	11	0	16	3.983	0.019	4.743
OPERATING PERSONNEL	0	0	0	0.154	0.020	0.050
HEALTH PHYSICS PERSONNEL	0	0	0	0.269	0.022	0.539
SUPERVISORY PERSONNEL	0	0	0	0.007	0.000	0.000
ENGINEERING PERSONNEL	1	0	0	0.292	0.090	0.206
INSERVICE INSPECTION						
MAINTENANCE PERSONNEL	0	0	1	0.284	0.000	0.753
OPERATING PERSONNEL	0	0	0	0.070	0.000	0.025
HEALTH PHYSICS PERSONNEL	0	0	4	0.033	0.000	0.670
SUPERVISORY PERSONNEL	0	0	0	0.011	0.000	0.000
ENGINEERING PERSONNEL	2	1	0	1.337	0.621	0.295
SPECIAL MAINTENANCE						
MAINTENANCE PERSONNEL	17	0	15	4.217	0.053	6.044
OPERATING PERSONNEL	0	0	0	0.045	0.000	0.100
HEALTH PHYSICS PERSONNEL	0	0	7	0.434	0.058	1.988
SUPERVISORY PERSONNEL	0	0	0	0.017	0.000	0.000
ENGINEERING PERSONNEL	3	0	1	0.723	0.136	0.543
WASTE PROCESSING						
MAINTENANCE PERSONNEL	0	0	0	0.000	0.000	0.065
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.020
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.055
REFUELING						
MAINTENANCE PERSONNEL	0	0	0	0.000	0.000	0.000
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
TOTAL						
MAINTENANCE PERSONNEL	30	0	44	9.050	0.114	19.041
OPERATING PERSONNEL	22	0	4	7.170	0.218	3.820
HEALTH PHYSICS PERSONNEL	13	1	41	8.851	0.336	11.536
SUPERVISORY PERSONNEL	0	0	0	0.055	0.039	0.022
ENGINEERING PERSONNEL	9	1	4	4.391	0.981	2.468
GRAND TOTAL	74	2	93	28.517	1.688	36.857

Notes: (1) Dose based on pocket dosimeters
(2) Stat = Harris Plant staff
Util = CP&L non-Harris personnel
Cntr = Contractor

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1987 ANNUAL REPORT - PRIMARY COOLANT IODINE SPIKES

During 1987, the primary coolant did not exceed 1.0 $\mu\text{Ci}/\text{gram}$ dose equivalent I-131 or $> 100/E/\mu\text{Ci}/\text{gram}$ dose as set forth in Technical Specification 3.4.8.

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1987 ANNUAL REPORT - PRIMARY SAFETY AND RELIEF VALVE CHALLENGES

During 1987, there were no challenges to the primary power operated relief valves (PORVs) or the primary safety valves.



Carolina Power & Light Company

HARRIS NUCLEAR PROJECT
P. O. Box 165
New Hill, North Carolina 27562
FEB 15 1988

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United States Nuclear Regulatory Commission
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400
LICENSE NO. NPF-63
ANNUAL OPERATING REPORT

Gentlemen:

In accordance with Technical Specification 6.9.1.2 for the Shearon Harris Nuclear Power Plant, Unit No. 1, Carolina Power and Light Company herewith submits the annual report of (a) individuals receiving exposures greater than 100 mrem/yr and their associated manrem exposure according to work and job functions, (b) primary coolant iodine spikes, and (c) challenges to the pressurizer power-operated relief valves (PORVs) and primary safety valves for 1987.

Very truly yours,

R. A. Watson
Vice President
Harris Nuclear Project

MGW:mdt

Enclosure

cc: Dr. J. Nelson Grace (NRC)
Messrs. G. F. Maxwell (NRC - SHNPP)
J. M. Taylor (NRC)

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