



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION
P.O. BOX 618, NORTH COUNTRY ROAD • WADING RIVER, N.Y. 11792

JOHN D. LEONARD, JR.
VICE PRESIDENT - OFFICE OF CORPORATE SERVICES
AND
VICE PRESIDENT - OFFICE OF NUCLEAR

SNRC-1903

FEB 27 1992

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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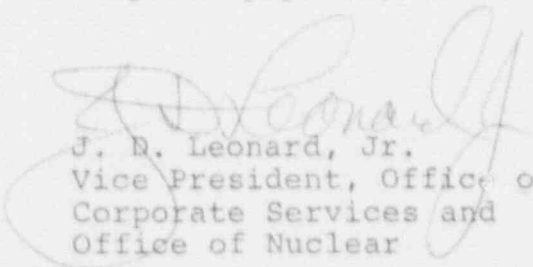
Annual Man-Rem Report
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Gentlemen:

Attached is a copy of the Annual Man-Rem Report. It is submitted in compliance with the requirements of Shoreham Technical Specification Sections 6.8.1.1 and 6.8.1.2.

Should you have any questions, please do not hesitate to call my office.

Very truly yours,


J. D. Leonard, Jr.
Vice President, Office of
Corporate Services and
Office of Nuclear

DRH/ab

cc: S. Brown
T. T. Martin
B. Norris

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Shoreham Nuclear Power Station, 1991 Annual Man-Rem Report

Personnel and Man-Rem Exposure by Work and Job Function

The following table entitled, "Shoreham Report of Personnel and Man-Rem by Work and Job Function", was prepared to provide the information required by Technical Specification Sections 6.8.1.1 and 6.8.1.2.

Personnel exposures were only significant for "Special Maintenance" activities which supported physical decontamination, disposal of fuel support pieces, and destructive characterization. Man-rem for each work and job function were obtained from direct reading dosimeter (DRD) values on each Radiation Work Permit. The total man-rem for all employees, as a function of station, utility and other personnel, was obtained from thermoluminescent dosimeter (TLD) readings.

For the reporting period of 1/1/91 to 12/31/91, only one individual received a measurable exposure greater than 100 mrem. The TLD dose for this individual was 0.200 rem for the year.

The doses on this report account for at least 80.0% of the total whole-body doses received from external sources; thus satisfying the aggregate requirement of Reg. Guide 1.16.

Included in this report is the statistical summary of personnel monitoring information required by 10CFR20.407(b).

Leonard J. Calone
Approved
Leonard J. Calone
Plant Manager

2/24/92
Date

SHOREHAM NUCLEAR POWER STATION
 START-DATE: 01/01/91 END-DATE: 12/31/91
 SHOREHAM RG 1.16 REPORT OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION (MAN-REM IS FOR ALL PERSONNEL)

WORK & JOB FUNCTION	NUMBER OF PERSONNEL (> 100 MREM)		STATION	TOTAL MAN-REM	
	UTILITY	OTHERS		UTILITY	OTHERS
REACTOR OPERATIONS & SURVEILLANCE	0	0	0.000	0.000	0.000
MAINTENANCE PERSONNEL	0	0	0.000	0.000	0.000
OPERATING PERSONNEL	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0.000	0.000	0.000
ROUTINE MAINTENANCE	0	0	0.000	0.000	0.000
MAINTENANCE PERSONNEL	0	0	0.000	0.000	0.000
OPERATING PERSONNEL	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0.000	0.000	0.000
INSERVICE INSPECTION	0	0	0.000	0.000	0.000
MAINTENANCE PERSONNEL	0	0	0.000	0.000	0.000
OPERATING PERSONNEL	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0.000	0.000	0.000
SPECIAL MAINTENANCE	1***	0	0.296*	0.000	0.000
MAINTENANCE PERSONNEL	0	0	0.045*	0.000	0.000
OPERATING PERSONNEL	0	0	0.045*	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0.000	0.000	0.025*
WASTE PROCESSING	0	0	0.015*	0.000	0.000
MAINTENANCE PERSONNEL	0	0	0.000	0.000	0.000
OPERATING PERSONNEL	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0.000	0.000	0.000
REFUELING	0	0	0.000	0.000	0.000
MAINTENANCE PERSONNEL	0	0	0.000	0.000	0.000
OPERATING PERSONNEL	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0.000	0.000	0.000
TOTAL	0	0	0.315**	0.000	0.000
MAINTENANCE PERSONNEL	1	0	0.055**	0.000	0.000
OPERATING PERSONNEL	0	0	0.045**	0.000	0.015**
HEALTH PHYSICS PERSONNEL	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0.000	0.000	0.040**
GRAND TOTAL	1	0	0.415**	0.000	0.055**

TOTAL MAN-REM FOR ALL EMPLOYEES = 0.470

* - DETERMINED FROM DRD READINGS

** - DETERMINED FROM TLD READINGS

*** - THIS PERSON RECEIVED 0.2 REM

SHOREHAM NUCLEAR POWER STATION
SNFS ANNUAL MAN-REM REPORT

START-DATE: 01/01/91
END-DATE: 12/31/91

10CFR20.407b DOSE REPORT

WHOLE BODY EXPOSURE RANGES (REM)	NUMBER OF INDIVIDUALS IN RANGE
NO MEASURABLE EXPOSURE	562
MEASURABLE EXPOSURE < 0.1	13
0.1 TO 0.25	1
0.25 TO 0.5	0
0.5 TO 0.75	0
0.75 TO 1.00	0
1.00 TO 2.00	0
2.00 TO 3.00	0
3.00 TO 4.00	0
4.00 TO 5.00	0
5.00 TO 6.00	0
6.00 TO 7.00	0
7.00 TO 8.00	0
8.00 TO 9.00	0
9.00 TO 10.00	0
10.00 TO 11.00	0
11.00 TO 12.00	0
12.00+	0

SHOREHAM NUCLEAR POWER STATION
SNPS ANNUAL MAN-REM REPORT

START-DATE: 01/01/91
END-DATE: 12/31/91

SECTION	TOTAL M'N-REM
COMPUTER ENGINEERING	0.000
CLERICAL	0.000
ENGINEERING ASSURANCE	0.000
ENGINEERING DESIGN	0.000
EMERGENCY PLANNING	0.000
FIRE PROTECTION	0.010
HEALTH PHYSICS	0.060
INSTRUMENTATION & CONTROLS	0.000
LICENSING & REGULATORY AFFAIRS	0.000
MODIFICATIONS ENGINEERING	0.000
MANAGEMENT	0.000
MAINTENANCE	0.115
NUCLEAR FUELS	0.000
OPERATIONAL COMPLIANCE	0.000
OPERATIONS	0.000
OUTAGE PLANNING	0.000
PROJECT ENGINEERING	0.000
PLANNING & SCHEDULING	0.000
QUALITY ASSURANCE	0.000
QUALITY CONTROL	0.000
QUALITY SYSTEMS	0.000
RADIO CHEMISTRY	0.000
REACTOR ENGINEERING	0.000
RADIATION PROTECTION	0.000
RADWASTE	0.245
INDEPENDENT SAFETY ENGINEERING GROUP	0.000
SYSTEMS ENGINEERING	0.000
SECURITY	0.000
TRAINING	0.000
CONTRACTED MAINTENANCE	0.040

TOTAL STATION TLD DOSE = 0.470 MAN-REM