

LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION P.O. BOX 61B. NORTH COUNTRY ROAD . WADING RIVER, N.Y. 11792

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

SNRC-1903

FEB 2 7 1992

U. S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555

> 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. R. Leonard, Jr. Vice President, Office of Corporate Services and Office of Nuclear

DRH/ab

cc: S. Brown

T. T. Martin B. Norris

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 Circut 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 informa on required by 10CFR20.407(b).

Approved

Leonard J. Calone

Levene ,

Plant Manager

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)

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*** - THIS PERSON RECEIVED 0.2 REM

** - DETERMINED FROM ILD READINGS

* - DETERMINED FROM DRD READINGS

SHOREHAM NUCLEAR POWER STATION SNIS ANNUAL MAN-REM REPORT

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

10CFR20.407b DOSE REPORT

WHOLE PODY EX	(POSURE RANGE3 (REM)	NUMBER OF INDIVIDUALS IN R	ANGE
NO MEASURABLE	EXPOSURE	562	
MEASURABLE EX	KPOSURE < 0.1	13	
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0.25 TO	0.5	0	
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2.00 T	3.00	0	
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4.00 To	5.00	0	
5.00 TO	6.00	0	
6.00 T	7.00	0	
7.00 To	0 8.00	0	
8.00 T	9.00	0	
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10.00 T	0 11.00		
11.00 T	0 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

COMPUTER ENGINEERING CLERICAL ENGINEERING ASSURANCE ENGINEER', G DESIGN EMERGENCY PLANNING FIRE PROTECTION HEALTH PHYSICS INSTRUMENTATION & CONTROLS LICENSING & REGULATORY AFFAIRS MODIFICATIONS ENGINEERING MANAGEMENT MAINTENANCE NUCLEAR FUELS OPERATIONAL COMPLIANCE OPERATIONS OUTAGE PLANNING PROJECT ENGINEERING PLANNING & SCHEDULING QUALITY ASSURANCE QUALITY CONTROL QUALITY SYSTEMS RADIO CHEMISTRY REACTOR ENGINEERING RADIATION PROTECTION RADWASTE INDEPENDENT SAFETY ENGINEERING GROUP	TOTAL M'N-REM
COMPUTER ENGINEERING	0.000
CLERICAL	0.000
ENGINEERING ASSURANCE	0.000
ENGINEER! G 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 ENG. NEER: NO.	0.000
RADIATION PROTECTION	0.000
NAUWADIE	0.245
INDEFENDENT SAFETY ENGINEERING GROUP	0.000
SISTEMS ENGINEERING	0.000
RADWASTE INDEPENDENT SAFETY ENGINEERING GROUP SYSTEMS ENGINEERING SECURITY TRAINING	0.000
COMMENCATED MATHEMANCE	0.000
CONTRACTED MAINTENANCE	0.040

TOTAL STATION TLD DOSE = 0.470 MAN-REM