



# LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

P.O. BOX 616, NORTH COUNTRY ROAD • WADING RIVER, N.Y. 11792

Direct Dial Number

January 19, 1984

SNRC-1010

Chief, Management Information Branch  
Office of Management and Program Analyses  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Construction Status Report, NUREG 0300  
Shoreham Nuclear Power Station - Unit 1  
Docket No. 50-322

Dear Sir:

In response to your letter, dated October 30, 1981, we submit the attached data for the Construction Status Report, NUREG 0300, for the fourth quarter, ending December 31, 1983.

Very truly yours,

  
B. R. McCaffrey  
Manager, Nuclear Compliance & Safety

VJB/ss S5

Attachment

cc: C. Petrone  
All Parties Listed on Attachment 1

8402150176 840119  
PDR ADOCK 05000222  
R PDR

Boo 1  
1/1

ATTACHMENT 1

Lawrence Brenner, Esq.  
Administrative Judge  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555

Dr. Peter A. Morris  
Administrative Judge  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555

Dr. George A. Gerguson  
School of Engineering  
Howard University  
2300 6th Street, N.W.  
Washington, D.C. 20059

Bernard M. Bordenick, Esq.  
David A. Repka, Esq.  
U. S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555

Mr. James Dougherty  
3045 Porter Street  
Washington, D.C. 20008

Herbert H. Brown, Esq.  
Lawrence Coe Lanpher, Esq.  
Karla J. Letsche, Esq.  
Kirkpatrick, Lackhart, Hill  
Christopher & Phillips  
8th Floor  
1900 M. Street, N. W.  
Washington, D.C. 20036

Mr. Marc P. Goldsmith  
Energy Research Group  
4001 Totten Pond Road  
Waltham, Massachusetts 02154

MHB Technical Associates  
1723 Hamilton Avenue  
Suite K  
San Jose, California 95125

Stephen B. Latham, Esq.  
Twomey, Latham & Shea  
33 West Second Street  
P.O. Box 398  
Riverhead, New York 11901

Ralph Shapiro, Esq.  
Cammner and Shapiro, P.C.  
9 East 40th Street  
New York, New York 10016

Matthew J. Kelly, Esq.  
State of New York  
Department of Public Service  
Three Empire State Plaza  
Albany, New York 12223

Gerald C. Crotty, Esq.  
Counsel to the Governor  
Executive Chamber  
State Capitol  
Albany, New York 12224

# CONSTRUCTION STATUS REPORT NUCLEAR POWER PLANTS

PAGE NO: 2-110

SHOREHAM

STATUS AS OF: 12/31/83

## PLANT CHARACTERISTICS:

## KEY PERSONNEL:

DCCKET NO: 05000322  
CP NO. & DATE ISSUED: CFR-95 / 04-14-73  
CP EXPIRATION DATE: 03-31-83  
APPLICANT: LONG ISLAND LIGHTING COMPANY  
PLANT LOCATION: BROOKHAVEN, NY (LI)  
IE REGION: I  
AE: STONE & WEBSTER  
NSSS: GENERAL ELECTRIC  
CONSTRUCTOR: STONE & WEBSTER  
REACTOR TYPE: BWR  
DER (MWE) 849

CORPORATE CONTACT: M. S. POLLOCK, VICE PRESIDENT  
CORPORATE ADDRESS: 175 EAST OLD COUNTRY ROAD  
HICKSVILLE, NEW YORK 11801  
CORPORATE PHONE NO: (516) 733-4013  
NRC LPM: R. CARUSO  
IE PROJECT INSPECTOR:  
IE RESIDENT INSPECTOR: C. PETRONE

## INSPECTION STATUS:

## FUEL LOAD DATE CHANGES AS REPORTED BY UTILITY:

TIME PERIOD		
REPORT NUMBER	PEG DATE OF INSP.	END DATE OF INSP.
83-22	06/30/83	06/30/83
83-24	07/20/83	07/20/83
83-29	08/22/83	08/26/83
83-30	09/06/83	09/30/83
83-31	09/12/83	09/16/83
83-32	10/16/83	10/16/83
83-34	11/15/83	11/18/83
83-35	10/17/83	11/27/83
83-36	11/14/83	11/18/83
83-39	12/05/83	12/09/83

REPORT DATE	NEW SCHEDULE	REASON FOR CHANGE REPORTED BY UTILITY
02-20-74	12-00-77	1. CHANGE IN AEC SEISMIC & PIPE BREAK CRITERIA RESULTED IN 2 MONTHS ADDITIONAL EFFORT IN THE INSTALLATION OF PRIMARY CONTNMT & PRV PEDESTAL.
		2. DIFFICULTIES ENCOUNTERED DURING CONSTRUCTION OF PRIMARY CONTNMT WALL & RPV PEDESTAL AND IMBEDMENT FOR PIPE BREAK INSIDE CONTNMT.
11/10/75	12-00-78	LABOR STRIKES, UNAVAILABILITY OF MATERIAL, WEATHER & CONSTR. DIFFICULTIES HAVE RESULTED IN A 12 MONTH DELAY.
09-21-77	03-00-80	1. LATE DELIVERY OF PURCHASED MATERIAL (PIPING & VALVES). 2. LOWER THAN EXPECTED LABOR PRODCVTY. 3. DESIGN CHANGES DUE TO REG. REQMTS.
01-10-79	06-00-80	MANPOWER CONSTRAINTS & DESIGN PROCUREMENT PROBLEMS.
02-00-80	11-00-80	NO REASON PROVIDED.
06-19-80	05-00-82	DELAY DUE TO COMPLETION OF SYSTEMS.
06-09-81	09-00-82	DELAY DUE TO COMPLETION OF SYSTEMS.
09-30-82	02-00-83	DELAY IN SYSTEM COMPLETION DUE TO LATE MATERIAL DELIVERIES & FINAL PIPE STRS. RECONCILIATION REVIEW.
12-31-82	05-00-83	DELAY IN SYSTEM COMPLETION.
03-31-83	08-00-83	DELAY IN SYSTEM COMPLETION
09-30-83	05-00-84	DELAY DUE TO DIESEL GENERATOR CRANKSHAFT FAILURE

## LOCAL PUBLIC DOCUMENT ROOM:

SHOREHAM-WADING RIVER PUBLIC LIBRARY  
ROUTE 25A  
SHOREHAM, NEW YORK 11786

# CONSTRUCTION STATUS REPORT

PAGE NO: 2-111

## NUCLEAR POWER PLANTS

SHOREHAM

STATUS AS OF: 12/31/83

### CONSTRUCTION STATUS:

APPLICANT'S CURRENT ESTIMATED FUEL LOADING DATE:	05-00-84	APPLICANT'S CONSTRUCTION COMPLETION ESTI-
APPLICANT'S PREVIOUS ESTIMATED FUEL LOADING DATE:	08-00-83	MATE DEFINED IN C2: EARLIEST -
APPLICANT'S ESTIMATED FUEL LOADING DATE AT CP ISSUANCE:	03-31-77	LATEST - 07-00-83
APPLICANT'S CURRENT ESTIMATED COMMERCIAL OPERATION DATE:	03-00-85	

CURRENT ESTIMATED PERCENT CONSTRUCTION COMPLETE: 99.4%\*

### COMMENTS REGARDING CURRENT CONSTRUCTION STATUS:

	ESTIMATED START	ACTUAL START	ESTIMATED COMPLETION	ACTUAL COMPLETION	ESTIMATE % COMPLETE
MOBILIZE AND PREPARE SITE:		11-00-72		03-00-73	100 %
PLACE STRUCTURAL CONCRETE:		03-00-73		12-00-77	100 %
INSTALL REACTOR PRESSURE VESSEL:		03-00-75		12-00-75	100 %
INSTALL LARGE BORE PROCESS PIPE:		05-00-75		10-00-79	100 %
INSTALL LARGE BORE PIPE HANGERS, RESTRAINTS & SNUBBERS		07-00-75	1/31/84		100 %
INSTALL SMALL BORE PIPE:		05-00-75		09-00-82	100 %
INSTALL CABLE TRAY:		02-00-76		08-00-82	100 %
INSTALL EXPOSED METAL CONDUIT:		02-00-76	10-31-83		100 %
INSTALL POWER, CONTROL, INSTRUMENTATION & SECURITY CABLE:		06-00-76	10-31-83		100 %
INSTALL ELECTRICAL TERMINATIONS:		06-00-76	10-31-83		100 %
CONDUCT REACTOR COLD HYDROSTATIC TEST:		10-00-79	10-00-79	10-00-79	100 %
CONDUCT HOT FUNCTIONAL TEST:	N/A	N/A	N/A	N/A	N/A
CONDUCT PREOP ACCEPTANCE TESTS NECESSARY FOR FUEL LOAD:		01-00-80	2/22/84		95 %

\* THIS PERCENTAGE EXCLUDES DIESELS