



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

P.O. BOX 618, NORTH COUNTRY ROAD • WADING RIVER, N.Y. 11792

WILLIAM E. STEIGER, JR.

ASSISTANT VICE PRESIDENT—NUCLEAR OPERATIONS

SNRC-1716

MAY 14 1990

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

Response to Generic Letter 90-01
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

- Ref: (1) Generic Letter 90-01, "Request For Voluntary Participation In NRC Regulatory Impact Survey," January 18, 1990.
- (2) NUMARC letter dated February 16, 1990 to NUMARC Board of Directors from J. F. Colvin; subject: NRC Generic Letter 90-01 (with attachment, "Additional Clarifying Information to NRC Generic Letter 90-01").

Gentlemen:

The Long Island Lighting Company (LILCO) has reviewed Generic Letter 90-01 (reference 1) as it relates to the Shoreham Nuclear Power Station (SNPS). In accordance with the request contained in Generic Letter 90-01, LILCO submits Enclosure 1 which consists of completed questionnaires for each applicable type of operational inspection, audit or evaluation as identified.

Please be advised that in compiling the enclosure, LILCO utilized NUMARC's guidance, as described in the attachment to reference 2, to ensure that the information provided by Enclosure 1 is reasonably consistent and of the scope and depth of submittals by other licensees.

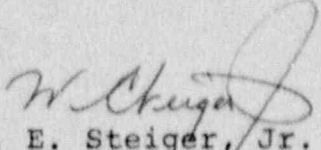
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LILCO is pleased to voluntarily participate in the Commission's Regulatory Impact Survey. If additional information or followup discussion is required, please do not hesitate to contact my office.

Very truly yours,


W. E. Steiger, Jr.
Assistant Vice President
Nuclear Operations

MP/ap
Enclosure

cc: S. Brown
T. T. Martin
L. Doerflein
NUMARC

NRC REGULATORY IMPACT SURVEY
QUESTIONNAIRE SHEET

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1. Type of inspection, audit or evaluation: _____
NRC Regional and Headquarters Inspections/Audits

2. Based on actual experience over the past several years, about how often is this activity conducted? _____
Periodically. Approximately 5-6 Inspections/Audits are held
per year each over a 4-5 day period.

3. Operations/Construction areas covered: Procedure review, test witnessing
and evaluation of CILRT and local Leak Rate Testing, Emergency
Preparedness, QA/QC activities, radiation controls, physical
security, startup test program, fire protection/prevention,
power ascension test program.

4. Extent of the activity (how many people, for how long) _____
Typically 2 NRC Inspectors/Auditors plus resident.
Audits covered 4-5 day period.

5. Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.

Division Managers	
a. Plant Department-Heads <u>126</u>	(number involved) <u>5</u>
b. Plant Manager <u>30</u>	
c. Corporate Department Heads <u>140</u>	(number involved) <u>2</u>
d. Corporate Vice Presidents <u>18</u>	(number involved) <u>1</u>
e. Chief Nuclear Officer <u>-</u>	
f. Managers or Supervisors <u>1431</u>	(number involved) <u>23</u>

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1. Type of inspection, audit or evaluation: _____
NRC Team Inspections

2. Based on actual experience over the past several years, about how often is this activity conducted? _____
Approximately 1 Routine and 1 Special Inspection held per year
each over a 5 day period *

3. Operations/Construction areas covered: Engineering support to plant
and other site organizations, training and qualification program,
corrective actions related to QA/QC, Emergency Preparedness,
assessment of resources reductions due to defueled, non-operating
condition.

4. Extent of the activity (how many people, for how long) _____
Routine Inspection - typically 3 NRC Auditors plus 1 Resident
Special Inspection - typically 4 NRC Auditors plus 1 Resident
Each Inspection covered a 5 day period

5. Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.

- Division Managers
- a. Plant ~~Department Heads~~ 180 (number involved) 5
 - b. Plant Manager 34
 - c. Corporate Department Heads 50 (number involved) 2
 - d. Corporate Vice Presidents 10 (number involved) 1
 - e. Chief Nuclear Officer -
 - f. Managers or Supervisors 764 (number involved) 25

* In 1989, Shoreham had an ORAT Inspection which covered a 17 day period. This was not used in determining the frequency or length of team inspections. ORAT Inspection is covered on a separate sheet.

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1. Type of inspection, audit or evaluation: _____

NRC Resident Inspector Inspections/Audits

2. Based on actual experience over the past several years, about how often is this activity conducted? _____

Continuously. Approximately six (6) reports/yr are issued
each covering an approximate 2 month period.

3. Operations/Construction areas covered: Plant operations, radiological

protection, security, plant events, maintenance, surveillances,

outage activities, reports to NRC, testing, modifications,

committee activities, License Conditions.

4. Extent of the activity (how many people, for how long) _____

5. Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.

- | | |
|--|-----------------------------|
| a. Plant ^{Division Managers} Department-Heads <u>126</u> | (number involved) <u>5</u> |
| b. Plant Manager <u>48</u> | |
| c. Corporate Department Heads <u>62</u> | (number involved) <u>2</u> |
| d. Corporate Vice Presidents <u>24</u> | (number involved) <u>1</u> |
| e. Chief Nuclear Officer <u>-</u> | |
| f. Managers or Supervisors <u>1298</u> | (number involved) <u>28</u> |

NRC REGULATORY IMPACT SURVEY
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1. Type of inspection, audit or evaluation: _____
NRC ORAT Inspection
2. Based on actual experience over the past several years, about how often is this activity conducted? _____
Once. Inspection covered a period of 17 days.
3. Operations/Construction areas covered: _____
All areas of operational readiness in preparation of issuance of full power license.
4. Extent of the activity (how many people, for how long) _____
NRC Auditors = 18; plus Resident, plus 1 Clerical Aide over a 17 day period.
5. Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.
- | | |
|--|----------------------------|
| Division Managers | |
| a. Plant Department Heads _____ 220 | (number involved) _____ 5 |
| b. Plant Manager _____ 44 | |
| c. Corporate Department Heads _____ 100 | (number involved) _____ 2 |
| d. Corporate Vice Presidents _____ 48 | (number involved) _____ 1 |
| e. Chief Nuclear Officer _____ - | |
| f. Managers or Supervisors _____ 5224 | (number involved) _____ 64 |

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1. Type of inspection, audit or evaluation: _____

LILCO - NQA Audits (as per NRC requirements)

2. Based on actual experience over the past several years, about how often is this activity conducted? _____

Approximately 19 Audits/year are conducted each over a 6 day period

3. Operations/Construction areas covered: HP & ALARA Programs, Maintenance,

Radiochemistry, Radiographic Operations Safety Program, ISI/IST,

Purchasing and Materials Control, Control of Hazardous Material,

Fitness for Duty, Radwaste Program, Records Management

4. Extent of the activity (how many people, for how long) _____

4 Auditors/Audit - 6 days/Audit

5. Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.

- | | |
|--|----------------------------|
| a. Plant ^{Division Mangers} Department Heads _____ 893 | (number involved) _____ 5 |
| b. Plant Manager _____ 152 | |
| c. Corporate Department Heads _____ 160 | (number involved) _____ 2 |
| d. Corporate Vice Presidents _____ 30 | (number involved) _____ 1 |
| e. Chief Nuclear Officer _____ - | |
| f. Managers or Supervisors _____ 4501 | (number involved) _____ 40 |

NRC REGULATORY IMPACT SURVEY
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1. Type of inspection, audit or evaluation: _____
LILCO - NRB Audits (as per NRC requirements)

2. Based on actual experience over the past several years, about how often is this activity conducted? _____
Approximately 12 Audits/yr. are conducted each over a 7 day period.

3. Operations/Construction areas covered: Corrective Actions, REMP & NON-REMP, Fire Protection, ODCM & Effluent Monitoring, Personnel Training and Qualifications, Security Program, NQA, Radwaste/PCP, Tech. Specs., & Emergency Planning

4. Extent of the activity (how many people, for how long) _____
5 Auditors/Audit - 7 days/Audit

5. Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.

Division Managers	
a. Plant Department Heads <u>600</u>	(number involved) <u>5</u>
b. Plant Manager <u>96</u>	
c. Corporate Department Heads <u>90</u>	(number involved) <u>2</u>
d. Corporate Vice Presidents <u>18</u>	(number involved) <u>1</u>
e. Chief Nuclear Officer <u>-</u>	
f. Managers or Supervisors <u>3193</u>	(number involved) <u>32</u>

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1. Type of inspection, audit or evaluation: _____

INPO Plant Evaluation Jan. 13-17, 1986

Corp. Evaluation Feb. 17-21, 1986

2. Based on actual experience over the past several years, about how often is this activity conducted? _____

Approximately every 18-24 months

3. Operations/Construction areas covered: _____

All Plant Operations and Technical Support Organizations

4. Extent of the activity (how many people, for how long) Nine (9)

INPO personnel for 2 weeks

LILCO personnel - All Divisions

5. Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.

Division Managers

a. Plant ~~Department Heads~~ 600 (number involved) 5

b. Plant Manager 250

c. Corporate Department Heads 72 (number involved) 2

d. Corporate Vice Presidents 10 (number involved) 1

e. Chief Nuclear Officer -

f. Managers or Supervisors 4458 (number involved) 59

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1. Type of inspection, audit or evaluation: _____
Inspection of Plant Facilities for Liability Insurance Carrier

2. Based on actual experience over the past several years, about how often is this activity conducted? _____
1 every 2 years because of our shut-down condition

3. Operations/Construction areas covered: _____
All of plant facilities

4. Extent of the activity (how many people, for how long) _____
2 Inspectors for 1 or 2 days; 4 utility personnel for duration of inspection.

5. Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.
 - a. ^{Division Managers} Plant Department Heads - 5 (number involved) 2
 - b. Plant Manager 1
 - c. Corporate Department Heads 1 (number involved) 1
 - d. Corporate Vice Presidents 4 (number involved) 1
 - e. Chief Nuclear Officer -
 - f. Managers or Supervisors 80 (number involved) 7

NEC REGULATORY IMPACT SURVEY
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1. Type of inspection, audit or evaluation: Property Loss Prevention.
Inspection for Property Damage Insurance Carrier

2. Based on actual experience over the past several years, about how often is this activity conducted? _____
Twice per year

3. Operations/Construction areas covered: _____
Plant and all insured buildings plus Gas Turbine Facility on site.

4. Extent of the activity (how many people, for how long) _____
1 or 2 Inspectors for 2½ days; 4 utility personnel for 2½ days

5. Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.
 - a. ^{Division Managers} Plant ~~Department-Heads~~ 12 (number involved) 1
 - b. Plant Manager 4
 - c. Corporate Department Heads 1 (number involved) 1
 - d. Corporate Vice Presidents 4 (number involved) 1
 - e. Chief Nuclear Officer -
 - f. Managers or Supervisors 230 (number involved) 7

NRC REGULATORY IMPACT SURVEY
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1. Type of inspection, audit or evaluation: Boiler and Machinery Inspection
for Property Damage Insurance Carrier

2. Based on actual experience over the past several years, about how often
is this activity conducted? _____

Twice per year

3. Operations/Construction areas covered: _____

Plant and Gas Turbine facility on site

4. Extent of the activity (how many people, for how long) _____

1 Inspector for 1 or 2 days

4 Utility Personnel for 1 day

5. Approximate man-hours (on an annual basis) which the following managers
must spend in direct involvement before, during, and in response to the
activity described in Item #1.

- | | |
|--|----------------------------|
| a. Plant Department Heads ^{Division Managers} <u>4</u> | (number involved) <u>1</u> |
| b. Plant Manager <u>-</u> | |
| c. Corporate Department Heads <u>1</u> | (number involved) <u>1</u> |
| d. Corporate Vice Presidents <u>2</u> | (number involved) <u>1</u> |
| e. Chief Nuclear Officer <u>-</u> | |
| f. Managers or Supervisors <u>56</u> | (number involved) <u>6</u> |

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1. **Type of inspection, audit or evaluation:** Inspection of Dry chemical Fire Suppression System for Hazardous Materials Drum Storage Facility by Town of Brookhaven Fire Marshal

2. **Based on actual experience over the past several years, about how often is this activity conducted?** once each year

3. **Operations/Construction areas covered:** Hazardous Materials Drum Storage Facility

4. **Extent of the activity (how many people, for how long)** 2 Inspectors for ½ day
5 Utility Personnel for ½ day

5. **Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.**
 - a. Plant ^{Division Managers} ~~Department Heads~~ 2 (number involved) 1
 - b. Plant Manager -
 - c. Corporate Department Heads 2 (number involved) 1
 - d. Corporate Vice Presidents - (number involved) -
 - e. Chief Nuclear Officer -
 - f. Managers or Supervisors 56 (number involved) 4

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1. Type of inspection, audit or evaluation: _____
SPDES Permit Compliance - NYS DEC

2. Based on actual experience over the past several years, about how often is this activity conducted? _____
4 times a year
Suffolk County personnel contract for NYS DEC

3. Operations/Construction areas covered: _____
Outfalls of SPDES Permit

4. Extent of the activity (how many people, for how long) _____
usually 1 sometimes 2
LILCO personnel - usually 2 sometimes 3

5. Approximate man-hours (on an annual basis) which the following managers must spend in direct involvement before, during, and in response to the activity described in Item #1.

- a. ^{Division Managers} Plant Department Heads 12 (number involved) 2
- b. Plant Manager -
- c. Corporate Department Heads 2 (number involved) 1
- d. Corporate Vice Presidents - (number involved) -
- e. Chief Nuclear Officer -
- f. Managers or Supervisors 220 (number involved) 7

DEC REGULATORY IMPACT SURVEY
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1. Type of inspection, audit or evaluation: Inspection of dredging operations
& placement of spoils - by NYS DEC

2. Based on actual experience over the past several years, about how often
is this activity conducted? _____

3. Operations/Construction areas covered: _____
Intake Canal, Wading River Creek and beaches to be nourished

4. Extent of the activity (how many people, for how long) _____

5. Approximate man-hours (on an annual basis) which the following managers
must spend in direct involvement before, during, and in response to the
activity described in Item #1.

Division Managers	
a. Plant Department-Heads <u>16</u>	(number involved) <u>1</u>
b. Plant Manager <u>-</u>	
c. Corporate Department Heads <u>10</u>	(number involved) <u>1</u>
d. Corporate Vice Presidents <u>-</u>	(number involved) <u>-</u>
e. Chief Nuclear Officer <u>-</u>	
f. Managers or Supervisors <u>120</u>	(number involved) <u>4</u>