

LICENSEE EVENT REPORT (LER)

|   |  |  |                        |
|---|--|--|------------------------|
| FACILITY NAME (1)<br>Pilgrim Nuclear Power Station - Unit 1 |  | DOCKET NUMBER (2)<br>0 5 0 0 0 2 9 1 3 | PAGE (3)<br>1 OF 0 1 2 |
|---|--|--|------------------------|

TITLE (4)  
Unplanned Start of the "A" Emergency Diesel Generator

| EVENT DATE (5)  |     |      | LER NUMBER (6)    |                   |                 | REPORT DATE (7)  |     |      | OTHER FACILITIES INVOLVED (8)                       |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |           |  |  |           |  |  |   |  |  |          |  |  |                               |  |  |                 |  |  |             |  |  |                |  |  |          |  |  |  |  |  |                  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |                   |  |  |                |  |  |                     |  |  |  |  |  |                  |  |  |                 |  |  |                      |  |  |  |  |  |                 |  |  |                  |  |  |                 |  |  |
|---|-----|------|-------------------|-------------------|-----------------|------------------|-----|------|---|--|------------------|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------|--|--|-----------|--|--|-----------|--|--|---|--|--|----------|--|--|-------------------------------|--|--|-----------------|--|--|-------------|--|--|----------------|--|--|----------|--|--|--|--|--|------------------|--|--|-------------|--|--|-----------------|--|--|--|--|--|--|--|--|-------------------|--|--|----------------|--|--|---------------------|--|--|--|--|--|------------------|--|--|-----------------|--|--|----------------------|--|--|--|--|--|-----------------|--|--|------------------|--|--|-----------------|--|--|
| MONTH   | DAY | YEAR | YEAR              | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH            | DAY | YEAR | FACILITY NAMES                                      |  | DOCKET NUMBER(S) |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |           |  |  |           |  |  |   |  |  |          |  |  |                               |  |  |                 |  |  |             |  |  |                |  |  |          |  |  |  |  |  |                  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |                   |  |  |                |  |  |                     |  |  |  |  |  |                  |  |  |                 |  |  |                      |  |  |  |  |  |                 |  |  |                  |  |  |                 |  |  |
| 0 8   | 2 8 | 8 4  | 8 4               | 0 1 1             | 0 0             | 0 9              | 2 7 | 8 4  |   |  | 0 5 0 0 0        |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |           |  |  |           |  |  |   |  |  |          |  |  |                               |  |  |                 |  |  |             |  |  |                |  |  |          |  |  |  |  |  |                  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |                   |  |  |                |  |  |                     |  |  |  |  |  |                  |  |  |                 |  |  |                      |  |  |  |  |  |                 |  |  |                  |  |  |                 |  |  |
| <table border="1"> <tr> <td colspan="12">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)</td> </tr> <tr> <td colspan="3">OPERATING MODE (9)<br/>N</td> <td colspan="3">20.402(b)</td> <td colspan="3">20.406(a)</td> <td colspan="3">50.73(a)(2)(iv) <input checked="" type="checkbox"/></td> <td colspan="3">73.71(b)</td> </tr> <tr> <td colspan="3">POWER LEVEL (10)<br/>0 1 0 1 0</td> <td colspan="3">20.406(a)(1)(i)</td> <td colspan="3">50.73(a)(1)</td> <td colspan="3">50.73(a)(2)(v)</td> <td colspan="3">73.71(a)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.406(a)(1)(ii)</td> <td colspan="3">50.73(a)(2)</td> <td colspan="3">50.73(a)(2)(vi)</td> <td colspan="3" rowspan="4">OTHER (Specify in Abstract below and in Text, NRC Form 366A)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.406(a)(1)(iii)</td> <td colspan="3">50.73(a)(2)(i)</td> <td colspan="3">50.73(a)(2)(vii)(A)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.406(a)(1)(iv)</td> <td colspan="3">50.73(a)(2)(ii)</td> <td colspan="3">50.73(a)(2)(viii)(B)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.406(a)(1)(v)</td> <td colspan="3">50.73(a)(2)(iii)</td> <td colspan="3">50.73(a)(2)(ix)</td> </tr> </table> |     |      |                   |                   |                 |                  |     |      |   |  |                  | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11) |  |  |  |  |  |  |  |  |  |  |  | OPERATING MODE (9)<br>N |  |  | 20.402(b) |  |  | 20.406(a) |  |  | 50.73(a)(2)(iv) <input checked="" type="checkbox"/> |  |  | 73.71(b) |  |  | POWER LEVEL (10)<br>0 1 0 1 0 |  |  | 20.406(a)(1)(i) |  |  | 50.73(a)(1) |  |  | 50.73(a)(2)(v) |  |  | 73.71(a) |  |  |  |  |  | 20.406(a)(1)(ii) |  |  | 50.73(a)(2) |  |  | 50.73(a)(2)(vi) |  |  | OTHER (Specify in Abstract below and in Text, NRC Form 366A) |  |  |  |  |  | 20.406(a)(1)(iii) |  |  | 50.73(a)(2)(i) |  |  | 50.73(a)(2)(vii)(A) |  |  |  |  |  | 20.406(a)(1)(iv) |  |  | 50.73(a)(2)(ii) |  |  | 50.73(a)(2)(viii)(B) |  |  |  |  |  | 20.406(a)(1)(v) |  |  | 50.73(a)(2)(iii) |  |  | 50.73(a)(2)(ix) |  |  |
| THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)  |     |      |                   |                   |                 |                  |     |      |   |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |           |  |  |           |  |  |   |  |  |          |  |  |                               |  |  |                 |  |  |             |  |  |                |  |  |          |  |  |  |  |  |                  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |                   |  |  |                |  |  |                     |  |  |  |  |  |                  |  |  |                 |  |  |                      |  |  |  |  |  |                 |  |  |                  |  |  |                 |  |  |
| OPERATING MODE (9)<br>N   |     |      | 20.402(b)         |                   |                 | 20.406(a)        |     |      | 50.73(a)(2)(iv) <input checked="" type="checkbox"/> |  |                  | 73.71(b)   |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |           |  |  |           |  |  |   |  |  |          |  |  |                               |  |  |                 |  |  |             |  |  |                |  |  |          |  |  |  |  |  |                  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |                   |  |  |                |  |  |                     |  |  |  |  |  |                  |  |  |                 |  |  |                      |  |  |  |  |  |                 |  |  |                  |  |  |                 |  |  |
| POWER LEVEL (10)<br>0 1 0 1 0   |     |      | 20.406(a)(1)(i)   |                   |                 | 50.73(a)(1)      |     |      | 50.73(a)(2)(v)                                      |  |                  | 73.71(a)   |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |           |  |  |           |  |  |   |  |  |          |  |  |                               |  |  |                 |  |  |             |  |  |                |  |  |          |  |  |  |  |  |                  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |                   |  |  |                |  |  |                     |  |  |  |  |  |                  |  |  |                 |  |  |                      |  |  |  |  |  |                 |  |  |                  |  |  |                 |  |  |
|   |     |      | 20.406(a)(1)(ii)  |                   |                 | 50.73(a)(2)      |     |      | 50.73(a)(2)(vi)                                     |  |                  | OTHER (Specify in Abstract below and in Text, NRC Form 366A)   |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |           |  |  |           |  |  |   |  |  |          |  |  |                               |  |  |                 |  |  |             |  |  |                |  |  |          |  |  |  |  |  |                  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |                   |  |  |                |  |  |                     |  |  |  |  |  |                  |  |  |                 |  |  |                      |  |  |  |  |  |                 |  |  |                  |  |  |                 |  |  |
|   |     |      | 20.406(a)(1)(iii) |                   |                 | 50.73(a)(2)(i)   |     |      | 50.73(a)(2)(vii)(A)                                 |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |           |  |  |           |  |  |   |  |  |          |  |  |                               |  |  |                 |  |  |             |  |  |                |  |  |          |  |  |  |  |  |                  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |                   |  |  |                |  |  |                     |  |  |  |  |  |                  |  |  |                 |  |  |                      |  |  |  |  |  |                 |  |  |                  |  |  |                 |  |  |
|   |     |      | 20.406(a)(1)(iv)  |                   |                 | 50.73(a)(2)(ii)  |     |      | 50.73(a)(2)(viii)(B)                                |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |           |  |  |           |  |  |   |  |  |          |  |  |                               |  |  |                 |  |  |             |  |  |                |  |  |          |  |  |  |  |  |                  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |                   |  |  |                |  |  |                     |  |  |  |  |  |                  |  |  |                 |  |  |                      |  |  |  |  |  |                 |  |  |                  |  |  |                 |  |  |
|   |     |      | 20.406(a)(1)(v)   |                   |                 | 50.73(a)(2)(iii) |     |      | 50.73(a)(2)(ix)                                     |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |           |  |  |           |  |  |   |  |  |          |  |  |                               |  |  |                 |  |  |             |  |  |                |  |  |          |  |  |  |  |  |                  |  |  |             |  |  |                 |  |  |  |  |  |  |  |  |                   |  |  |                |  |  |                     |  |  |  |  |  |                  |  |  |                 |  |  |                      |  |  |  |  |  |                 |  |  |                  |  |  |                 |  |  |

LICENSEE CONTACT FOR THIS LER (12)

|  |  |  |  |
|--|--|--|--|
| NAME<br>Richard M. Schifone - Plant Engineer |  | TELEPHONE NUMBER<br>AREA CODE<br>6 1 7 7 4 6 - 7 9 1 0 0 |  |
|--|--|--|--|

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPROS | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPROS |
|-------|--------|-----------|--------------|---------------------|-------|--------|-----------|--------------|---------------------|
| A     | EIK    | IDIG A    | 1152         | N                   |       |        |           |              |                     |

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, com. - EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)

| MONTH | DAY | YEAR |
|-------|-----|------|
|       |     |      |

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On 8/28/84, while shut down for refueling, the "A" Emergency Diesel Generator was inadvertently started. The cause of the initiation was determined to be a spurious Engineered Safeguards Feature signal which occurred while contractor personnel were replacing HFA relays in that subsystem relay cabinet.

After determination of the cause, the immediate corrective action was to secure the diesel and return the system to normal.

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PDR ADUCK 05000293  
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

|  |  |                |                   |                 |          |        |
|--|--|----------------|-------------------|-----------------|----------|--------|
| FACILITY NAME (1)<br>Pilgrim Nuclear Power Station -<br>Unit 1 | DOCKET NUMBER (2)<br><br>0 5 0 0 0 2 9 3 8 4 | LER NUMBER (6) |                   |                 | PAGE (3) |        |
|  |  | YEAR           | SEQUENTIAL NUMBER | REVISION NUMBER |          |        |
|  |  | 0 1 1          | 0 0               | 0 0             | 0 2      | OF 0 2 |

TEXT // If more space is required, use additional NRC Form 366A's (17)

On 8/28/84, while replacing HFA relays (Model No. 12HFA51A42F) in accordance with General Electric Service Information Letter #44, Supplement 4, the "A" Emergency Diesel Generator started. At the time of the initiation, the plant was shut down for refueling, with the reactor vessel defueled.

The relays being replaced were in the Engineered Safeguards Subsystem I relay cabinet (Panel #932). In order to replace the individual relays, the neutral leads had to be disconnected, and yet to maintain system continuity the leads had to be jumped together during this disconnection sequence. While the specific relay was being replaced, the two neutral leads were momentarily separated. This de-energized the normally energized relays downstream of the break and initiated the diesel start logic. The "B" Emergency Diesel Generator had been removed from service for routine preventive maintenance prior to the event.

No previous events of a similar nature have been identified.

The event has been determined to be an isolated occurrence which did not impact the health and safety of the public.

BOSTON EDISON COMPANY  
800 BOYLSTON STREET  
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON  
SENIOR VICE PRESIDENT  
NUCLEAR

September 27, 1984

BECo Ltr. #84-164

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Washington, D.C. 20555

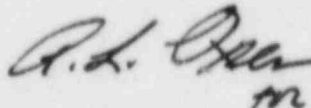
Docket Number 50-293  
License DPR-35

Dear Sir:

The attached Licensee Event Report 84-011-00, "Unplanned Start of the 'A' Emergency Diesel Generator," is hereby submitted in accordance with the requirements of 10CFR50.73.

If there are any questions on this subject, please do not hesitate to contact me.

Respectfully submitted,



W. D. Harrington

RS:caw

Enclosure: LER 84-011-00

cc: Dr. Thomas E. Murley  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Standard BECo LER Distribution

IE22  
1/1