

Commonwealth Edison

LaSalle County Nuclear Station 2601 N. 21st Road Marseilles, Illinois 61341 Telephone 815/357-6761

January 16, 1995

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

Licensee Event Report #94-011-01, Docket #050-373 is being submitted to your office in accordance with 10CFR50.73(a)(2)(iv).

This supplement is being submitted to correct a typographical error and clarify a statement regarding the scram.

J. Ray

Station Manager LaSalle County Station

DJR/JEA/1ja

Enclosure

cc: NRC Region III Administrator NRC Senior Resident Inspector INPO - Records Center IDNS Resident Inspector IDNS Senior Reactor Analyst Nuclear Licensing Administrator

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| Facility Name (1)       Docket Humber (2)       0       1       1       1       0       1  |                        | and the product of the |                 |                                    |                |                        |        |      | LICENS                  | EE E         | VENT RE | PORT  | (LE            | R)   |      |                          |                   |                |            |                  | For       | m Re           | v 3. | .0                   |
|--|------------------------|------------------------|-----------------|------------------------------------|----------------|------------------------|--------|------|-------------------------|--------------|---------|-------|----------------|------|------|--------------------------|-------------------|----------------|------------|------------------|-----------|----------------|------|----------------------|
| LBBalle County Station Unit 1       0 <t< td=""><td>Facili</td><td>ty Name</td><td>(1)</td><td>a characteristic car</td><td></td><td>in his of such display</td><td></td><td></td><td>and a little strengt of</td><td></td><td></td><td></td><td>and substantia</td><td></td><td></td><td>Doc</td><td>ket Nu</td><td>mber (</td><td>(2)</td><td>and and a second</td><td>1</td><td></td><td></td><td></td></t<>  | Facili                 | ty Name                | (1)             | a characteristic car               |                | in his of such display |        |      | and a little strengt of |              |         |       | and substantia |      |      | Doc                      | ket Nu            | mber (         | (2)        | and and a second | 1         |                |      |                      |
| Title (4)         Unit 1 Scram Due to a Feedwater Signal Spike         Event Date (5)       LER Number (6)       Report Date (7)       Other Facilities Involved (8)         Month       Day       Year       Year       Facility Names       Docket Number(s)         Mumber       Number       Number       Number       Facility Names       Docket Number(s)         0       7       0       8       9       4       9       1       1       6       9         0       7       0       8       9       4       9       1       1       6       9       1       1       1       1       6       9       1       1       1       1       6       9       1       1       1       1       6       9       1       1       1       1       1       1       1       1       6       9       1   | Lasall                 | e County               | Station         | Unit 1                             |                |                        |        |      |                         |              |         |       |                |      |      | 0                        | 5 0               | 0 0            | 3 7        | 1 3              | 1         | of             | 0    | 14                   |
| Event Date (5)         LER Number (6)         Report Date (7)         Other Facilities Involved (8)           Month         Day         Year         Year         Year         Facility Names         Docket Number(s)           Month         Day         Year         Year         Year         Facility Names         Docket Number(s)           0         7         0         8         9         4         9         4          0         1         0         1         6         9         5         1         1         1         1         1         6         9         5         1 <td>Title<br/>Unit 1</td> <td>(4)<br/>Scram D</td> <td>ue to a</td> <td>Feedwate</td> <td>r Sig</td> <td>mel S</td> <td>pike</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ees la arreada es</td> <td>and a court of</td> <td></td> <td></td> <td>de a comp</td> <td></td> <td></td> <td>ad an an a</td>   | Title<br>Unit 1        | (4)<br>Scram D         | ue to a         | Feedwate                           | r Sig          | mel S                  | pike   |      |                         |              |         |       |                |      |      |                          | ees la arreada es | and a court of |            |                  | de a comp |                |      | ad an an a           |
| Month         Day         Year         Year         Year         Year         Facility Names         Docket Number(s)           0         7         0         8         9         4         9         4          0         1         0         1         6         9         5          0         1         1         6         9         5          0         1         1         6         9         5          0         1         1         6         9         5          0         1         1         6         9         5          0         1         1         6         9         5          0         1         1         6         9         5          0         1         1         6         9         5          0         1         1         6         9         5          0         1         1          0         1         0         7         0         7         0         7         0         1         0         1         1         0         0         1         1 </td <td>Event</td> <td>Date (5</td> <td>)</td> <td></td> <td>LER</td> <td>Numbe</td> <td>r (6)</td> <td></td> <td>1</td> <td></td> <td>Repor</td> <td>t Da</td> <td>te (</td> <td>7)</td> <td></td> <td>0</td> <td>ther F</td> <td>acili</td> <td>ties</td> <td>Inv</td> <td>olve</td> <td>d (8</td> <td>)</td> <td></td>  | Event                  | Date (5                | )               |                                    | LER            | Numbe                  | r (6)  |      | 1                       |              | Repor   | t Da  | te (           | 7)   |      | 0                        | ther F            | acili          | ties       | Inv              | olve      | d (8           | )    |                      |
| 0         7         0         8         9         4         9         4          0         1         1         0         1         1         6         9         5           OPERATING<br>MODE (9)         THIS REPORT IS SUBMITTED PURSUANT TO THE REGUIREMENTS OF 10CFR<br>(Check one or more of the fot:lowing) (11)         50.73(a)(2)(v)         73.71(b)           POWER         20.405(a)(1)(i)         50.36(c)(1)         50.73(a)(2)(v)         73.71(c)           LEVEL         20.405(a)(1)(i)         50.36(c)(2)         50.73(a)(2)(vi)         Other (Specify<br>(10)           (10)         5         8         20.405(a)(1)(ii)         50.73(a)(2)(ii)         50.73(a)(2)(vii)         Other (Specify<br>(10)           (10)         0         5         8         20.405(a)(1)(vi)         50.73(a)(2)(ii)         50.73(a)(2)(vii)         Other (Specify<br>(10)           (10)         0         5         8         20.405(a)(1)(vi)         50.73(a)(2)(ii)         50.73(a)(2)(vii)(A)         in Abstract           UPUMER         20.405(a)(1)(vi)         50.73(a)(2)(iii)         50.73(a)(2)(vii)(B)         below and in           20.405(a)(1)(vi)         50.73(a)(2)(iii)         50.73(a)(2)(vii)         50.73(a)(2)(vii)(B)         below and in           20.405(a)(1)(vi)         50.7   | Month                  | Day                    | Year            | Year                               | 1.1.1          | Sequ                   | ential | 111  | Revisi                  | on           | Nonth   | Day   | 1              | Yea  | r    | Faci                     | lity N            | ames           | Doc        | ket              | NUM       | ber(           | s)   | sequences previously |
| 0       7       0       8       9       4        0       1       0       1       1       6       9       5         OPERATING<br>MODE (9)       THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR<br>(Check one or more of the following) (11)         POMER       20.402(b)       20.405(c)       X       50.73(a)(2)(iv)       73.71(b)         POMER       20.405(a)(1)(i)       50.36(c)(2)       50.73(a)(2)(vi)       0 ther (Specify<br>(10)       0         1       20.405(a)(1)(ii)       50.73(a)(2)(vii)       0 ther (Specify<br>(10)       0       5         20.405(a)(1)(iii)       50.73(a)(2)(vii)       0 ther (Specify<br>(10)       0       5       8       20.405(a)(1)(iii)       50.73(a)(2)(viii)(A)       in Abstract         10.11       20.405(a)(1)(iv)       50.73(a)(2)(iii)       50.73(a)(2)(viii)(B)       below and in         10.11       20.405(a)(1)(v)       50.73(a)(2)(iii)       50.73(a)(2)(viii)(B)       below and in         11.11       20.405(a)(1)(v)       50.73(a)(2)(iii)       50.73(a)(2)(viii)(B)       below and in         11.11       20.405(a)(1)(v)       50.73(a)(2)(iii)       50.73(a)(2)(viii)(B)       below and in         12.10       10.11       10.11       50.73(a)(2)(viii)       50.73(a   |                        |                        |                 |                                    | 411            | Numb                   | er     | 111  | Numbe                   | r            |         |       |                |      |      | NAME AND TAXABLE ADDRESS |                   |                |            |                  |           |                |      |                      |
| 0       7       0       8       9       4        0       1       1       1       6       9       5         OPERATING<br>MODE (9)       THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR<br>(Check one or more of the following) (1)         POMER       20.402(b)       20.405(c)       X       50.73(a)(2)(iv)       73.71(b)         POMER       20.405(a)(1)(i)       50.36(c)(2)       S0.73(a)(2)(vii)       Other (Specify<br>(10)       0       5         100       5       8       20.405(a)(1)(ii)       50.73(a)(2)(vii)       0       The respective<br>(10)       50.73(a)(2)(vii)       0       0       1       Abstract         100       5       8       20.405(a)(1)(ii)       50.73(a)(2)(ii)       50.73(a)(2)(viii)(A)       in Abstract         100       0       5       8       20.405(a)(1)(iv)       50.73(a)(2)(iii)       50.73(a)(2)(viii)(B)       below and in         100       0       5       8       1       5       3       5       7       6       7       6         1010       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1   |                        |                        |                 |                                    |                |                        |        |      |                         |              |         |       |                |      | -    |                          |                   |                |            | _                | 1         |                |      | _                    |
| OPERATING<br>MODE (9)         THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR<br>(Check one or more of the following) (11)           MODE (9)         1         20.402(b)         20.405(c)         X         50.73(a)(2)(iv)         73.71(b)           POWER         20.402(b)         20.405(c)(1)         50.73(a)(2)(v)         73.71(c)         Other (Specify<br>(10)         0         5         8         20.405(a)(1)(ii)         50.73(a)(2)(vii)         Other (Specify<br>(10)         0         5         8         20.405(a)(1)(ii)         50.73(a)(2)(vii)         0         in Abstract           1////////////////////////////////////   | 0 7                    | 0 8                    | 9 4             | 9 4                                |                | 0                      | 1 1    |      | 0                       | 1 1          | 0 1     | 1     | 6              | 9    | 5    |                          |                   |                |            |                  |           |                |      |                      |
| POWER         20.402(b)         20.405(c)         X         50.73(e)(2)(iv)         73.71(b)           POWER         20.405(a)(1)(i)         50.36(c)(1)         50.73(e)(2)(vi)         73.71(c)           LEVEL         20.405(a)(1)(ii)         50.36(c)(2)         50.73(e)(2)(vii)         0 ther (Specify           (10)         0         5         8         20.405(a)(1)(ii)         50.73(e)(2)(i)         50.73(e)(2)(vii)(A)         in Abstract           (10)         0         5         8         20.405(a)(1)(iv)         50.73(e)(2)(i)         50.73(e)(2)(vii)(A)         in Abstract           (10)         0         5         8         20.405(a)(1)(iv)         50.73(e)(2)(i)         50.73(e)(2)(vii)(A)         in Abstract           20.405(a)(1)(iv)         50.73(e)(2)(ii)         50.73(e)(2)(vii)(B)         below and in         50.73(e)(2)(vii)(B)         below and in           20.405(a)(1)(v)         50.73(e)(2)(iii)         50.73(e)(2)(x)         Text         Text           LICENSEE CONTACT FOR THIS LER (12)           Name           TELEPHONE HUMBER           Jack Otlewis, System Engineer, Extension 2447           COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)           COMPONENT <td>OPERA</td> <td>TING</td> <td></td> <td></td> <td>THI</td> <td>S REP</td> <td>ORT IS</td> <td>SUB</td> <td>of the</td> <td>PURSI<br/>fo!</td> <td>LOWING</td> <td>) THE</td> <td>REQ<br/>)</td> <td>UIRE</td> <td>MENT</td> <td>S OF</td> <td>10CFR</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>  | OPERA                  | TING                   |                 |                                    | THI            | S REP                  | ORT IS | SUB  | of the                  | PURSI<br>fo! | LOWING  | ) THE | REQ<br>)       | UIRE | MENT | S OF                     | 10CFR             |                |            |                  |           |                |      |                      |
| POWER         20.405(a)(1)(i)         50.36(c)(1)         50.73(a)(2)(v)         73.71(c)           LEVEL         20.405(a)(1)(ii)         50.36(c)(2)         50.73(a)(2)(vii)         Other (Specify           (10)         0         5         8         20.405(a)(1)(ii)         50.73(a)(2)(vii)         Other (Specify           (10)         0         5         8         20.405(a)(1)(ii)         50.73(a)(2)(vii)         50.73(a)(2)(viii)(A)         in Abstract           20.405(a)(1)(iv)         50.73(a)(2)(ii)         50.73(a)(2)(viii)(B)         below and in         20.405(a)(1)(v)         50.73(a)(2)(viii)(B)         below and in           20.405(a)(1)(v)         50.73(a)(2)(iii)         50.73(a)(2)(x)         Text)  | MODE (V)               |                        |                 | -                                  | 20.402(b)      |                        |        |      | 20.405(c) X 5           |              |         | 50.   | ).73(e)(2)(iv) |      |      | 73.71(b)                 |                   |                |            |                  |           |                |      |                      |
| LEVEL         20.405(a)(1)(ii)         50.36(c)(2)         50.73(a)(2)(vii)         Other (Specify<br>in Abstract           (10)         0         5         8         20.405(a)(1)(ii)         50.73(a)(2)(i)         50.73(a)(2)(vii)(A)         in Abstract           (10)         0         5         8         20.405(a)(1)(ii)         50.73(a)(2)(vii)         50.73(a)(2)(vii)(A)         in Abstract           (10)         0         5         8         20.405(a)(1)(v)         50.73(a)(2)(ii)         50.73(a)(2)(viii)(B)         below and in           20.405(a)(1)(v)         50.73(a)(2)(iii)         50.73(a)(2)(x)         Text)   | POWER                  |                        |                 |                                    |                | 20.4                   | 05(a)( | 1)(1 | )                       | 50           | .36(c)( | (1)   | [              |      | 50.  | 73(a)                    | (2)(v)            | · ·            |            |                  | 73.7      | 1(c)           |      |                      |
| (10)       0       5       8       20.405(a)(1)(iii)       50.73(a)(2)(i)       50.73(a)(2)(viii)(A)       in Abstract         00       0       5       8       20.405(a)(1)(iii)       50.73(a)(2)(i)       50.73(a)(2)(viii)(A)       in Abstract         00       0       5       8       20.405(a)(1)(iv)       50.73(a)(2)(ii)       50.73(a)(2)(viii)(B)       below and in         LICENSEE CONTACT FOR THIS LER (12)         TELEPHONE NUMBER         AREA CODE         Jack Otlewis, System Engineer, Extension 2447         COMPLETE ONE LIME FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)         CAUSE SYSTEM COMPONENT         MANUFAC-         TURER         TURER         SUPPLEMENTAL REPORT EXPECTED (14)         SubPLEMENTAL REPORT EXPECTED (14)         Expected         N         Submission         Date (15)         Year  | LEVEL                  |                        | 1               | 1                                  |                | 20.4                   | 05(a)( | 1)(1 | 1)                      | 50           | .36(c)( | (2)   | 1              |      | 50.  | 73(a)                    | (2)(vi            | i)             |            |                  | Othe      | r (S           | peci | fy                   |
| 20.405(a)(1)(iv)       50.73(a)(2)(ii)       50.73(a)(2)(viii)(B)       below and in         10.405(a)(1)(v)       50.73(a)(2)(iii)       50.73(a)(2)(viii)(B)       text)         LICENSEE CONTACT FOR THIS LER (12)         TELEPHONE HUMBER         AREA CODE         Jack Otlewis, System Engineer, Extension 2447       8       1       5       3       5       7       6       7       6         COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)         CAUSE SYSTEM COMPONENT         MANUFAC-       REPORTABLE /// CAUSE SYSTEM COMPONENT         MANUFAC-       REPORTABLE /// CAUSE SYSTEM COMPONENT         SUPPLEMENTAL REPORT EXPECTED (14)         Supplemental REPORT EXPECTED (14)       Expected North Day Year         Submission         Date (15)   | (10)                   | 0                      | 5               | 8                                  |                | 20.4                   | 05(8)( | 1)(i | 11)                     | 50           | .73(a)( | (2)(1 | ) [            |      | 50.  | 73(a)                    | (2)(vi            | 11)(A)         | )          |                  | in A      | bstr           | act  |                      |
| 20.405(a)(1)(v)       50.73(a)(2)(iii)       50.73(a)(2)(x)       Text)         LICENSEE CONTACT FOR THIS LER (12)         Name         TELEPHONE HUMBER         AREA CODE         Jack Otlewis, System Engineer, Extension 2447       8       1       5       3       5       7       -       6       7       7       7       7       7       7       7       7       7       7   | ,,,,,,,,,              | 1,1,1,1,1,1,1,1        | 1,1,1,1,1,1,1,1 | 1,1,1,1,1,1,1,1                    |                | 20.4                   | 05(=)( | 1)(1 | ()                      | 50           | .73(a)( | (2)(1 | i) [           |      | 50.  | 73(a)                    | (2)(vi            | ii)(8)         | )          |                  | belo      | н ап           | d in | 1                    |
| LICENSEE CONTACT FOR THIS LER (12)         TELEPHONE HUMBER         AREA CODE         Jack Otlewis, System Engineer, Extension 2447         Jack Otlewis, System Engineer, Extension 2447         COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)         COMPONENT         MANUFAC-         REPORTABLE /// CAUSE SYSTEM COMPONENT         MANUFAC-         TURER         SUPPLEMENTAL REPORT EXPECTED (14)         Expected Month Day Year         Submission         YES (1f yes, complete EXPECTED SUBMISSION DATE)  |                        | 1111111                | 1111111         | 1111111                            |                | 20.4                   | 05(a)( | 1)(v |                         | 50           | .73(a)( | (2)(i | ii)[           |      | 50.  | 73(a)                    | (2)(x)            |                |            |                  | Text      | )              |      |                      |
| TELEPHONE HUMBER         Jack Otlewis, System Engineer, Extension 2447       AREA CODE         Jack Otlewis, System Engineer, Extension 2447       8       1       5       3       5       7       -       6       7       6         COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)         CAUSE SYSTEM COMPONENT       MANUFAC-       REPORTABLE /// CAUSE SYSTEM COMPONENT       MANUFAC-       REPORTABLE /// CAUSE SYSTEM COMPONENT         SUPPLEMENTAL REPORT EXPECTED (14)         YES (1f yes, complete EXPECTED SUBMISSION DATE)       X       NO  |                        |                        |                 |                                    |                |                        | L      | ICEN | SEE CON                 | TACT         | FOR TH  | IS LI | ER (           | 12)  |      |                          |                   |                |            |                  |           |                |      |                      |
| AREA CODE         Jack Otlewis, System Engineer, Extension 2447         COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)         CAUSE SYSTEM COMPONENT         MANUFAC-         TURER       TO NPRDS         SUPPLEMENTAL REPORT EXPECTED (14)         X NO         YES (1f yes, complete EXPECTED SUBMISSION DATE)       X NO  | Name                   |                        |                 | and the post officer of the second | and allong the |                        |        |      |                         |              |         |       |                |      |      |                          | TELE              | PHONE          | HUMB       | ER               |           | and Part Prese |      |                      |
| Jack Otlewis, System Engineer, Extension 2447       Jack Otlewis, System Engineer, Extension 2447     8     1     5     3     5     7     6     7     6       COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)       CAUSE     SYSTEM     COMPONENT     MANUFAC-     REPORTABLE /// CAUSE     SYSTEM     COMPONENT     MANUFAC-     REPORTABLE // CAUSE     TURER     TO NPRDS // COMPONENT     TURER     TO NPRDS // COMPONENT     MANUFAC-     REPORTABLE // CAUSE     TURER     TO NPRDS // COMPONENT     // COMPONENT     TURER     TO NPRDS // COMPONENT     // COMPONENT     TURER     TO NPRDS // COMPONENT     // COMPONENT     N //   |                        |                        |                 |                                    |                |                        |        |      |                         |              |         |       |                |      | AR   | EA CO                    | DE                |                |            |                  |           |                |      |                      |
| COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13) CAUSE SYSTEM COMPONENT MANUFAC- REPORTABLE /// CAUSE SYSTEM COMPONENT MANUFAC- REPORTABLE /// TURER TO NPRDS // TURER | Jack C                 | tlewis,                | System E        | ingineer,                          | Exte           | nsion                  | 2447   |      |                         |              |         |       |                |      | 8    | 1                        | 5 3               | 5              | 7          |                  | 6         | 7              | 6    | 1                    |
| CAUSE SYSTEM COMPONENT MANUFAC-<br>TURER TO NPRDS<br>SUPPLEMENTAL REPORT EXPECTED (14)<br>YES (1f yes, complete EXPECTED SUBMISSION DATE)<br>X NO<br>N<br>X NO<br>CAUSE SYSTEM COMPONENT<br>CAUSE SYSTEM COMPONENT<br>CAUSE SYSTEM COMPONENT<br>MANUFAC-<br>TURER<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N   |                        | COLOR CHARTER OF       | C               | OMPLETE                            | ONE L          | INE F                  | OR EAC | H CO | MPONENT                 | FAI          | LURE DE | SCRI  | BED            | IN T | HIS  | REPOR                    | 1 (13)            |                |            |                  |           |                |      |                      |
| N     N       SUPPLEMENTAL REPORT EXPECTED (14)     Expected       VES (1f yes, complete EXPECTED SUBMISSION DATE)     X   | CAUSE SYSTEM COMPONENT |                        |                 | MAN                                | MANUFAC- REPO  |                        | NPRDS  | 111  | CAUSE                   | AUSE SYS     | SYSTEM  | co    | COMPONENT      |      | MAN  |                          | UFAC-             |                | REPORTABLE |                  | 11        |                |      |                      |
| SUPPLEMENTAL REPORT EXPECTED (14)     Z<   |                        |                        | 11              |                                    | -              | -                      | 1      |      | N                       | 194          |         | +     | -              | +    | 1    | 1                        |                   | 1              |            |                  | -         |                |      | 14                   |
| SUPPLEMENTAL REPORT EXPECTED (14)         Expected         Nonth         Day         Year           YES (1f yes, complete EXPECTED SUBMISSION DATE)         X         NO         Date (15)         Image: Complete EXPECTED SUBMISSION DATE)         X         NO         Date (15)         Image: Complete EXPECTED SUBMISSION DATE)         X         NO         Date (15)         Image: Complete EXPECTED SUBMISSION DATE)         X         NO         NO         NO         NO         Image: Complete EXPECTED SUBMISSION DATE)         X         NO         NO         NO         Image: Complete EXPECTED SUBMISSION DATE)         X         NO         Image: Complete EXPECTED SUBMISSION DATE)         X         NO         Image: Complete EXPECTED SUBMISSION DATE)         Image: Complete EXPECTED SUBMISSION DATE)         X         NO         Image: Complete EXPECTED SUBMISSION DATE)         Image   |                        |                        |                 |                                    |                |                        |        |      |                         | 144          |         | +     |                | -    | 1    | +-+                      |                   |                |            |                  |           |                |      | 14                   |
| YES (1f yes, complete EXPECTED SUBMISSION DATE) X NO Date (15)   |                        |                        | SU              | IPPLEMENT                          | AL RE          | PORT                   | EXPECT | ED ( | 14)                     |              | h       |       |                |      | d    | ek aran marka            | Expe              | cted           | Nor        | th               | Da        | y              | Ye   | ar                   |
|  | YE                     | 5 (1f ve               | s. compl        | ete EXPE                           | CTED           | SUBMI                  | SSION  | DATE | 1                       | ×            | 7 NO    |       |                |      |      |                          | Submi             | ssion<br>(15)  | -          |                  |           |                |      | 1                    |

On July 8, 1994, at 0550 hours, the unit was at 58% power preparing for power ascension. When the 1D Condensate Pump was started, the 1B Turbine Driven Reactor Feed Pump(TDRFP) developed flow swings of 2 million pounds per hour. Flow was stabilized with minor adjustments to the Motor Driven Reactor Feed Pump. However, small oscillations were still present in the Manual/Automatic (M/A) station output signal, which produced oscillations in the control valve. During an attempted adjustment to the signal gain, a spike occurred redulting in a loss of speed on the 1B TDRFP, a loss of feed flow from the pump, and reduction of reactor vessel level. Repeated attempts to control level by use of the raise and lower pushbuttons at the manual and manual backup stations resulted in vessel level fluctuations until vessel level reached the 55.5 inch High Level Turbine trip and resulted in a Reactor Scram at 0947 hours.

The 1B Emergency Diesel Generator (EDG), which was synchronized to the grid for a scheduled surveillance, assumed an abnormal amount of current and VAR's as a result of the grid disturbance caused by the loss of the Unit 1 generator.

This event is reportable in accordance with 10CFR50.73(a)(2)(iv) as an event that resulted in automatic actuation of the Reactor Protection System.

|                               | LICENSEE EVENT REPORT (LER) TEXT (  | CONTINUATIO | NI                       |                            | For                              | m Rev 3.0 |
|-------------------------------|-------------------------------------|-------------|--------------------------|----------------------------|----------------------------------|-----------|
| FACILITY NAME (1)             | DOCKET NUMBER (2)                   | LER NUMB    | ER (6)                   |                            |                                  |           |
|                               |                                     | Year //     | / Sequential<br>/ Number | /// Revision<br>/// Number |                                  |           |
| LaSalle County Station Unit 1 | 0 5 0 0 0 3 7 3                     | 9 4 -       | 0 1 1                    | - 0 1                      | 0 2 0                            | 0F 0 4    |
| TEXT Energy Industry Identi   | fication System (EIIS) codes are id | dentified i | n the text as            | [XX]                       | he we we do at the second second |           |

Energy Industry Identification System (EIIS) codes are identified in the text as [XX]

#### PLANT AND SYSTEM IDENTIFICATION

General Electric - Boiling Water Reactor

Energy Industry Identification System (EIIS) codes are identified in the text as [XX].

#### A . CONDITION PRIOR TO EVENT

| Unit(s) | :1         | Event Date: 7/08/94 | Event | Time:     | 0947 Hours |
|---------|------------|---------------------|-------|-----------|------------|
|         |            |                     |       |           |            |
| Reactor | Mode(s): 1 | Modes(s) Name: Run  | Power | Level(s): | 58%        |

#### B. DESCRIPTION OF EVENT

On July 8, 1994 at approximately 0550 hours, the unit was at 58% power and preparing for power ascension. The 1B Turbine Driven Reactor Feed Pump (TDRFP, FW)[SJ] and the Motor Driven Reactor Feed Pump were in service. The 1D Condensate Pump was started. Following this, the 1B TDRFP developed flow swings of 2 million pounds per hour. Flow was stabilized with minor adjustments to the Motor Driven Reactor Feed Pump. Small oscillations were still present in the Manual/Automatic (M/A) station output, which corresponded to oscillations in the control valve. It was decided to hold Unit 1 power at 620 MWE until the 1B TDRFP gain could be adjusted. During the adjustment of the gain control with the M/A controller in Automatic, a spike resulted in a loss of speed on the 1B TDRFP and a loss of feed flow from the pump. The operator immediately took manual control of the M/A station and depressed the increase button. There did not appear to be any response from the 1B TDRFP so the operator went to the manual backup station, placed it to the demand substitution position and placed the speed adjustment control to the raise position. No immediate response was observed by the Operator, so he held the control switch in raise until a response was observed. The vessel level then rose requiring him to reduce feedwater flow. When the pump responded to the decrease signal, the pump lost speed, reducing feed to the vessel, and vessel level decreased below normal. There were a total of 3 vessel level swings between Level 4 (31.5 inch) and Level 7 (40.5 inch) over a period of approximately three minutes before the trip occurred at 0947 hours.

The 1B Emergency Diesel Generator(EDG), which was synchronized to the grid for a scheduled surveillance, carried a high amount of current and VAR's as a result of the grid disturbance caused by the loss of the Unit 1 generator.

This event is reportable in accordance with 10CFR50.73(a)(2)(iv) as an event that resulted in automatic actuation of the Reactor Protection System.

|                               | LICENSEE EVENT REPORT (LER) TEXT ( | CONTINUATION |                              |                    | Form Rev 3.0  |
|-------------------------------|------------------------------------|--------------|------------------------------|--------------------|---|
| FACILITY NAME (1)             | DOCKET NUMBER (2)                  | LER NUMBER   | R (6)                        |                    | And the second |
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| LaSelle County Station Unit 1 | 0   5   0   0   0   3   7   3      | 9 4 -        | 0   1   1 -                  | 0 1 0              | 3 OF 0 4  |
| TEXT Energy Industry Identif  | ication System (EIIS) codes are id | dentified in | the text as [XX              | ()                 | adverse and see manufactures  |

### C. APPARENT CAUSE OF EVENT

The apparent cause of the event was the signal spike which initiated the event. It was determined that the 1B TDRFP gain control logic needed to be adjusted. A specific procedure does not exist for making the gain adjustment. The gain adjustment was being performed by the technician under the direction of his supervisor with concurrence of Operations and System Engineering. There was reluctance on the part of plant personnel to place the TDRFP in manual because of previous events that resulted in transients. There is also a bypass switch that must be depressed while making the gain adjust with the 1B TDRFP in automatic. This was not accomplished because the personnel did not feel it was necessary. The cause of the spike could not be determined. Testing of the card which was being adjusted did not indicate any malfunctioning components.

A secondary cause was the Man-Machine interface. The system was insufficiently responsive to the Operator's needs. The slow system response impeded the Operator's ability to stabilize the transient.

# D. SAFETY ANALYSIS OF EVENT

The safety consequences of this event were minimal. "he turbine trip in this event initiated the Reactor Scram as required. Following the Scram, reactor pressure was controlled by cycling turbine bypass valves. Plant response was consistent with the UFSAR Analysis of the event. All Engineered Safety Feature (ESF) actuations occurred as designed during the event.

#### E. CORRECTIVE ACTIONS

Signal spikes are not uncommon when adjusting electronic equipment and could occur again in the future. Future adjustments to this system will be controlled by special test procedures and will address the use of manual control using the bypass button to mitigate the effect of system spikes during gain adjustments.

System ramp rates for the TDRFP control logic were changed to be more responsive to Operator's needs in controlling the system. This involved using the simulator to select ramp rates, operator involvement in the selection process, and tuning of the system in the plant to obtain optimum response.

|                               | LICENSEE EVENT REPORT (LER) TEXT ( | CONTINUATIO | ON                         |                                | Form   | Rev 3.0 |
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| FACILITY NAME (1)             | DOCKET NUMBER (2)                  | LER NUM     | IBER (6)                   |                                |        |         |
|                               |                                    | Year //     | // Sequential<br>// Number | /// Revision<br>////<br>Number |        |         |
| LeSalle County Station Unit 1 | 0   5   0   0   0   3   7   3      | 9 4         | - 0 1 1 1                  | - 0   1                        | 0 4 OF | 0   4   |

Energy Industry Identification System (EIIS) codes are identified in the text as [XX]

#### E. CORRECTIVE ACTIONS CONTINUED

The 1B EDG was inspected in accordance with System Engineering recommendations. This required a visual airbox inspection, a visual generator inspection, and a generator megger. No damage was found during these inspections. A review by System Engineering indicated that the current did not reach overcurrent trip. The time period for which current exceeded 600 amps was estimated to be approximately five minutes. The polarization index on this EDG is also being trended until the next refueling outage at which time an evaluation of the data will be done to determine future surveillance requirements.

In that a three minute transient was followed by an automatic scram (vs. manual scram), management expectations may need to be more clearly brought in line with the degree of operational decision making conservatism that is desired. Our actions in this regard will be formulated in response to the recently received INPO SOER 94-01, "Nonconservative Decisions and Equipment Performance Problems Result in a Reactor Scram, Two Safety Injections, and Water-solid Conditions".

# F. PREVIOUS EVENTS

The following scrams have occurred due to feedwater control:

# LER No. Title

373/91-006 Reactor Scram on Low Reactor Vessel Water Level Due to Loss of "A" Turbine Driven Reactor Feedwater Pump Caused by Control Valve Closure 373/94-010 Scram Due to Reactor Water Level Control Signal Loss to the 1B Turbine Driven Reactor Feed Pump

# G. COMPONENT FAILURE DATA

No equipment failures which contributed to this event were identified. Equipment problems noted were due to chosen equipment setup and design.