

# LIS ORIGINAL

SSINS No.: 6835  
IN 86-08

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT  
WASHINGTON, D.C. 20555

February 3, 1986

IE INFORMATION NOTICE NO. 86-08: LICENSEE EVENT REPORT (LER) FORMAT  
MODIFICATION

Addressees:

All nuclear power reactor facilities holding an operating license (OL) or a construction permit (CP).

Purpose:

This notice is being issued to invite power reactor licensee help regarding Licensee Event Report (LER) reporting in accordance with 10 CFR 50.73. It is intended to improve NRC's entering of LER data into NRC LER data bases. Suggestions contained in this information notice do not constitute NRC requirements; therefore, no specific action or written response is required.

Description of Circumstances:

In order to improve the operation of maintaining various NRC LER data bases, the NRC has recently decided to use an Optical Character Reader (OCR) to read the Licensee Event Report (LER) abstracts into the LER data bases. To reduce the number of errors incurred by the OCR due to incompatible print styles, we invite licensees to consider using the following typography for preparing all future LERs that are to be submitted to the NRC:

1. Type styles (examples attached):

- o Prestige Elite (12 pitch)
- o Letter Gothic (12 pitch)
- o OCR-B (12 pitch)
- o Courier 12 (12 pitch)
- o Elite (12 pitch)
- o Courier 10 (10 pitch)
- o OCR-A (10 pitch)
- o Prestige Pica (10 pitch)
- o In addition, the following proportional space typestyles can be read: Madeleine, Cubic, Bold, and Title

2. It is suggested that output be on typewriter, or formed character (letter-quality or near letter quality) printer, (e.g., daisy wheel, laser, ink-jet).
3. It is suggested that output have an uneven right margin (i.e., we suggest that you not righthand justify output).
4. It is suggested that text of the abstract be kept at least ½-inch inside the border on all sides of the area designated for the abstract on the LER form.
5. It is suggested that you do not underscore, use bold print, use Italic print style, end any lines with a hyphen or use paragraph indents. Instead, print copy single space with a blank line between paragraphs.
6. Because of the intended use of the OCR, your attention is called to the guidance specified under General Instructions, page 21 of NUREG-1022, Licensee Event Report System - Description of System and Guidelines for Reporting. These guidelines pertain to limitations on the use of symbols in the textual areas on the LER form. These limitations are:
  - A. Spell out "degree."
  - B. Use  $\leq$  for "less than or equal to."
  - C. Use  $\geq$  for "greater than or equal to."
  - D. Use  $\pm$  for "plus or minus."
  - E. Spell out "delta" and other Greek letters.
  - F. Do not use exponents. A number should be expressed as a decimal, spelled out, or preferably (to save space) designated in E field format. For example,  $4.2 \times 10^{-6}$  could be expressed as 4.2 E-6, 0.0000042, or  $4.2 \times 10(-6)$ . Also, a nuclide should not be expressed as an exponent. For example,  $^{60}\text{Co}$  should be written as Cobalt-60, Co-60, etc.

It is suggested that licensees review their format and print styles for reporting LERs for compatibility with those which are compatible with the OCR.

No specific action or written response to this information notice is required. If you have any questions regarding this matter, please contact this office or the Office for Analysis and Evaluation of Operational Data.



Edward L. Jordan, Director  
Division of Emergency Preparedness  
and Engineering Response  
Office of Inspection and Enforcement

Technical Contact: Eugenia L. Boyle, AEOD  
(301) 492-4498

Attachments:

1. Sample Type Fonts
2. List of Recently Issued IE Information Notices

The character sets listed below include the upper and lower case alphabet, numbers, punctuation and special characters which can be read for each type-

style when printed in the pitch indicated. These type-styles are based on output from Selectric typewriters and most Daisywheel printers.

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Model 2001 PRESTIGE ELITE Pitch: 10 or 12 Point Size: 10  
(Xerox Vintage 12)

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
!@#%&\*()-:+=',"/?`~!\$†°][ 0123456789

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Model 2002 LETTER GOTHIC Pitch: 10 or 12 Point Size: 12

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
!@#%&\*()-:+=',"/?`~!\$†°][ 0123456789

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Model 2003 COURIER 10 Pitch: 10 Point Size: 10  
(Xerox Titan 10)

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
!@#%&\*()-:+=',"/?`~!\$†°][ 0123456789

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Model 2004 OCR-A Pitch: 10 Point Size: 10

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
!@#%&\*()-:+=',"/?`~!\$†°][ 0123456789

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Model 2005 OCR-B Pitch: 10 or 12 Point Size: 10

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
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Model 2007 PRESTIGE PICA Pitch: 10 Point Size: 12

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
!@#%&\*()-:+=',"/?`~!\$†°][ 0123456789

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Model 2008 COURIER 12 Pitch: 10 or 12 Point Size: 8  
(Xerox Titan 12, IBM  
Printing and Publishing 3)

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
!@#%&'()\*-: +; = , " . / ? [ \ ] ^ \_ ` { | } ~

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Model 2009 ELITE Pitch: 10 or 12 Point Size: 10

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
!@#%&'()\*-: +; = , " . / ? [ \ ] ^ \_ ` { | } ~

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Model 2051 Madeleine Pitch: PS Point Size: 10  
(Xerox Roman)

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
!@#%&'()\*-: +; = , " . / ? [ \ ] ^ \_ ` { | } ~

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Model 2052 Cubic Pitch: PS Point Size: 10  
(Qume Triad)

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
!@#%&'()\*-: +; = , " . / ? [ \ ] ^ \_ ` { | } ~

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Model 2053 BOLD Pitch: PS Point Size: 10  
(Boldface)

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
!@#%&'()\*-: +; = , " . / ? [ \ ] ^ \_ ` { | } ~

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Model 2054 Title Pitch: PS Point Size: 10

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
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LIST OF RECENTLY ISSUED  
 IE INFORMATION NOTICES

| Information Notice No. | Subject   | Date of Issue | Issued to  |
|------------------------|---|---------------|--|
| 86-07                  | Lack Of Detailed Instruction And Inadequate Observance Of Precautions During Maintenance And Testing Of Diesel Generator Woodward Governors | 2/3/86        | All power reactor facilities holding an OL or CP |
| 86-06                  | Failure Of Lifting Rig Attachment While Lifting The Upper Guide Structure At St. Lucie Unit 1   | 2/3/86        | All power reactor facilities holding an OL or CP |
| 86-05                  | Main Steam Safety Valve Test Failures And Ring Setting Adjustments  | 1/31/86       | All PWR facilities holding an OL or CP           |
| 86-04                  | Transient Due To Loss Of Power To Integrated Control System At A Pressurized Water Reactor Designed By Babcock & Wilcox                     | 1/31/86       | All power reactor facilities holding an OL or CP |
| 86-03                  | Potential Deficiencies In Environmental Qualification Of Limitorque Motor Valve Operator Wiring   | 1/14/86       | All power reactor facilities holding an OL or CP |
| 86-02                  | Failure Of Valve Operator Motor During Environmental Qualification Testing  | 1/6/86        | All power reactor facilities holding an OL or CP |
| 86-01                  | Failure Of Main Feedwater Check Valve Causes Loss Of Feedwater System Integrity And Water-Hammer Damage                                     | 1/6/86        | All power reactor facilities holding an OL or CP |
| 85-101                 | Applicability of 10 CFR 21 To Consulting Firms Providing Training   | 12/31/85      | All power reactor facilities holding an OL or CP |
| 85-100                 | Rosemount Differential Pressure Transmitter Zero Point Shift  | 12/31/85      | All power reactor facilities holding an OL or CP |

OL = Operating License  
 CP = Construction Permit