



Commonwealth Edison  
1400 Opus Place  
Downers Grove, Illinois 60515

June 29, 1990

Dr. Thomas E. Murley  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

ATTN: Document Control Desk

Subject: Quad Cities Station Units 1 and 2  
Annual Update to Final Safety Analysis  
Report for Operating Licenses  
DPR-29 and DPR-30  
NRC Docket Nos. 50-254 and 50-265

Reference: (a) December 15, 1980 letter from  
D.G. Eisenhower to All Licensees.  
  
(b) June 30, 1989 letter from T.J. Kovach  
to U.S. Nuclear Regulatory Commission.

Dr. Murley:

In accordance with the requirements of 10CFR50.71(e), Commonwealth Edison hereby submits the annual FSAR update for Quad Cities Units 1 and 2. Units 1 and 2 have a common FSAR, and therefore, the revision contains information for both units.

The UFSAR has been prepared in accordance with guidance provided by the May 9, 1980 Federal Register Notice and Reference (a). Consistent with that guidance, this update has been prepared in the original FSAR format with the original level of detail. No attempt has been made to revise the format or content to conform with the recommendations contained in Regulatory Guide 1.70.

Commonwealth Edison has applied its established procedures to identify the information required to be submitted for this revision, including modifications to the facility as described in the UFSAR that have been made since the last submittal (Reference (b)). In our judgment, the information provided accurately presents those changes made since the previous submittal which are necessary to reflect information and analyses submitted to the NRC, and that all changes requiring NRC approval have been reviewed by the NRC. For all other changes, there are safety evaluations on-site to document the Station's determination that prior NRC approval was not required.

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June 29, 1990

A summary of 10CFR50.59 safety evaluations is provided to the Commission on a monthly basis in accordance with 10CFR50.59(b)(2); therefore, the requirement of 10CFR50.71(e)(2)(ii) has been met.

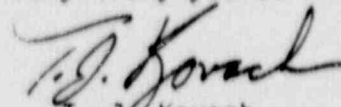
Attachment A contains a brief description of the basis for the change. Attachment B provides direction for the replacement of pages.

In accordance with the regulations, future revisions to the UFSAR will continue to be provided on an annual basis.

To the best of my knowledge and belief, the submitted changes to the UFSAR are true and correct. In some respects these statements are not based on my personal knowledge but upon information furnished in the regular course of business by other Commonwealth Edison employees. Such information has been reviewed in accordance with Company practice and I believe it to be reliable.

In accordance with the requirements of 10CFR50.71(e), one signed original and ten (10) additional copies of the UFSAR revisions are provided. Please direct any questions you may have regarding this matter to Ms. R. Stols (708/515-7283).

Very truly yours,



T. J. Kovach  
Nuclear Licensing Manager

cc: A.B. Davis, Regional Administrator - Region III  
L.N. Olshan, Project Manager - NRR (w/o enclosure)  
Senior Resident Inspector - Quad Cities

Attachment A: Description of the Changes  
B: Instructions for Page Change

Enclosure

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ATTACHMENT A

DESCRIPTION OF CHANGES  
1990 UFSAR

| <u>SECTION/PAGE</u>  | <u>DESCRIPTION</u>   |
|--|--|
| Table of Contents  | Revised to reflect updated sections.<br>Expanded to include illustrations and tables.  |
| List of Currently Effective Changes  | Developed to ensure UFSAR Manuals are complete and current.  |
| Page 2-9   | Revised makeup requirement values during a loss of Lock and Dam 14.  |
| 1-18, 1-41, Table 5.2.5, 5-21, 6-30, Figure 6.2.8, Figure 6.2.10c, 10-1, 10-24, 10-25, 10-26   | Revised to reflect the removal of the Head Spray System per Modification M4-1(2)-88-028B.  |
| Chapter 3 and 14, 4-4, 4-8, 4-40, 4-44, 4-44a, 4-45 through 4-48, 4-52, 4-55, 4-62, 4-62a, 4-64, 4-65, 4-71, 4-75, 4-76<br>Figure 4-13.14a, 4-3.14b, 4-3.15a, 4-3.16a, 4.3.16b | Administrative changes to clarify text and correct grammatical and typographical errors.<br>Updated analytical and calculational methodologies for transient analyses utilized by General Electric.<br>Removed outdated information which is no longer applicable.<br>Updated fuel and control rod types to reflect current core conditions.<br>Streamlined information by providing references to information source. |
| 4-82, Figure 4.5.1   | Revised RCIC System description to reflect the removal of the air operator on valve 1-1301-50 (Modification 4-1-88-052A).  |
| Figure 5.2.1, 5.2.2  | Added previously missing figures.  |
| 5-21, 10-30  | Revised to reflect the modification 4-1(2)-88-27A which removed the CRD return line.   |
| Figure 4.5.1, Figure 6.2.16a<br>6-54, 7-131, 7-140   | Revised to reflect Modifications M4-1(2)-84-21A and B, and M4-1(2)-88-37B which reduced the number of room temperature switches and setpoints for the HPCI and RCIC system isolation function and removed the RCIC square root converter.  |
| 6-73, 6-76, 6-77, 6-79, 6-80, 6-83<br>Figures 6.2.21<br>6.2.22<br>6.2.23<br>6.2.24<br>6.2.25<br>6.2.26   | Replaced "DG/HPCI" failure with "battery" failure as a result of the SAFER/GESTR LOCA Analysis NEDC-31345P rev. 1  |

## ATTACHMENT A (continued)

|  |   |
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| 7-63, Figure 7.4.16  | Revised the RBM trip level setpoints as a result of the analysis, NEDC 31449, Extended Operating Domain and Equipment Out-of-Service submitted to support Technical Specification Amendments 103 (DPR-29) and 104 (DPR-30). |
| 8-22, 8-23   | Added the functional description for the new protective relays installed on Motor Control Center 28/29-5 (Modification M4-2-89-165).  |
| 8-24, 8-27   | Revised the description of the ground detection system.   |
| 8-25   | Revised the battery ampere-hour rating to 142 ampere hours per Modification M4-1(2)-88-043.   |
| Figure 10.14.1   | Added previously missing figure.  |
| 10.92, 10.93, 10.94  | Grammatical correction because the section was previously written in future tense.  |
| Figures 12.1.3/12.1.4<br>12.1.5<br>12.1.6<br>12.1.8<br>12.1.11 | Revised figures to incorporate location of the new BWR Chemistry Sample Panels and Equipment Room. (Modification M4-1(2)-87-003A, B, C)   |
| 13-1, 13-2, 13-3, 13-4<br>Figure 13.1.1                        | Updated station organization information to reflect reorganization which occurred in early, 1989.   |



**ATTACHMENT B**  
**1990 FSAR UPDATE**  
**Instruction for Page Changes**

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