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U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Stop OP1-17  
Washington, DC 20555

**SUSQUEHANNA STEAM ELECTRIC STATION  
SUBMITTAL OF FIRE PROTECTION REVIEW  
REPORT REVISION 13  
PLA-5679**

**Docket Nos. 50-387  
and 50-388**

The purpose of this letter is to submit Revision 13 of the Fire Protection Review Report (FPRR). A summary of the revisions made in Revision 13 of the FPRR is provided in Attachment 1 of this letter.

Revision 13 is being submitted on CD-ROM in accordance with NRC Regulatory Issue Summary 2001-05 titled "Guidance on Submitting Document to the NRC by Electronic Information Exchange or on CD-ROM." The CD-ROM for the FPRR contains a complete copy of the FPRR.

Attachment 2 to this letter provides the steps to be taken to read the CD-ROM.

The following information is provided to assist in reading the CD-ROM:

Format: TIFF  
Version: group 4  
File Name: #.tif  
Contact Individual: Mark R. Breiner, Mail Stop GENPL4  
Contact Individual's Phone Number: 610-774-7691  
Contact Individual's Address: Two North Ninth Street, Allentown, PA 18101  
Contact Individual's E-Mail Address: [mrbreiner@pplweb.com](mailto:mrbreiner@pplweb.com)

Please contact Mr. C. T. Coddington at 610-774-4019 if there are any questions concerning this submittal.

Sincerely,

B. L. Shriver

Attachments (2) / Enclosure with one (1) CD-ROM Copy:

Attachment 1 – Summary of FPRR, Rev. 13 Changes

Attachment 2 – Using SSES FPRR Revision 13 CD-ROM

CD-ROM: (1) FPRR Rev. 13

Copy: NRC Region I

Mr. R. V. Guzman, NRC Project Manager

Mr. S. Hansell, NRC Sr. Resident Inspector

Mr. R. Janati, DEP/BRP

w/o CD-ROM

w/a CD-ROM

w/o CD-ROM

w/o CD-ROM

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**Attachment 1 to PLA-5679**

**Summary of FPRR Rev. 13 Changes**

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## **FPRR Revision 13 – Summary**

<b>Section</b>	<b>Table</b>	<b>Figure</b>	<b>Description of Change</b>
3.3			<p>Revised to reflect the installation of a passive backup keepfill system to maintain the source of keepfill water for the existing ECCS and RCIC keepfill systems in each unit.</p> <p>Revised to add a discussion on SRV depressurization capability.</p>
	3.3-1		<p>Revised to reflect the installation of a passive backup keepfill system to maintain the source of keepfill water for the existing ECCS and RCIC keepfill systems in each unit.</p> <p>Revised to reflect use of operator actions from panel 1C628 in the upper relay room in the event of the loss of the ability to operate Unit 1 from the control room due to the loss of the ADS automatic control logic power supply.</p>
	3.3-2		Revised to reflect use of operator actions from panel 1C628 in the upper relay room in the event of the loss of the ability to operate Unit 1 from the control room due to the loss of the ADS automatic control logic power supply.
	3.3-3		Revised to reflect use of operator actions from panel 1C628 in the upper relay room in the event of the loss of the ability to operate Unit 1 from the control room due to the loss of the ADS automatic control logic power supply.
4.10			Revised to clarify the SSES position on the minimization of plastic material at SSES and provides clarification and consistency within the FPRR regarding the description of plastics, cable insulation, and ceiling tiles used in the facility.

Section	Table	Figure	Description of Change
	5.0-1		<p>Revised to clarify the SSES position on the minimization of plastic material at SSES and provides clarification and consistency within the FPRR regarding the description of plastics, cable insulation, and ceiling tiles used in the facility.</p> <p>Revised to correct the description of the cable spreading room fire barriers.</p> <p>Revised to indicate that with the exception of the cable types identified in paragraph D.2.c, all scheduled cable types used at SSES have been qualified to the flame test requirements of IEEE 383-1974.</p>
	5.0-2		<p>Revised to clarify that changes can be made based on the Fire Protection Program License Condition and not all separation issues need to be sent to the NRC as deviation requests.</p>
6.2			<p>Revised to address the use of key-lock switches in the upper relay room.</p> <p>Revised to reflect the relocation of Instrument Rack 1C057 from Fire Zone 1-6D to 1-6C.</p> <p>Revised to reflect replacement of a limited quantity of non-combustible cement fiber fill boards in the Unit 2 Cooling Tower with PVC film fill material.</p>

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**Attachment 2 to PLA-5679**

**Using SSES FPRR Revision 13 CD ROM**

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## **Using SSES FPRR Revision 13 CD ROM**

If a version of MaxCD™ older than version 3.2.7 is installed on your PC, it will not allow you to view this CD. Viewing this CD requires installation of MaxCD™ for FileNet, Version 3.2.7. Instructions for installing MaxCD™ for FileNet are provided below.

### **CD Contents**

This CD contains a set of images containing all the pages of the current revision of the Fire Protection Review Report (FPRR). The images labeled with unique document ID's are assigned alphanumerically as Text and Tables. Drawings were scanned into the document as part of the section to which they belong. The order of the images does not correspond to the ordering of the pages in the FPRR.

The CD also contains a Microsoft Word copy of the Table of Contents to facilitate word searching using that application's "Find" function.

### **Reading the FPRR**

In order to "read" the FPRR; a search engine must be used.

This CD contains a royalty-free search engine coupled with a "viewer."

This "viewer" needs to be installed on a PC to facilitate "reading" of this electronic copy of the FPRR.

The images are saved in G4 TIFF format, and can be read by any program capable of displaying that format. There is no identification information stored in the image files (or in the file name) other than that contained in the displayed image itself. The image indexing information is stored in a Microsoft Access™ database contained on the CD. If the user of this CD prefers, the data may be read from that database without using the included viewer.

### **Reader Installation**

As few other applications as possible should be running when CDSetup is executed.

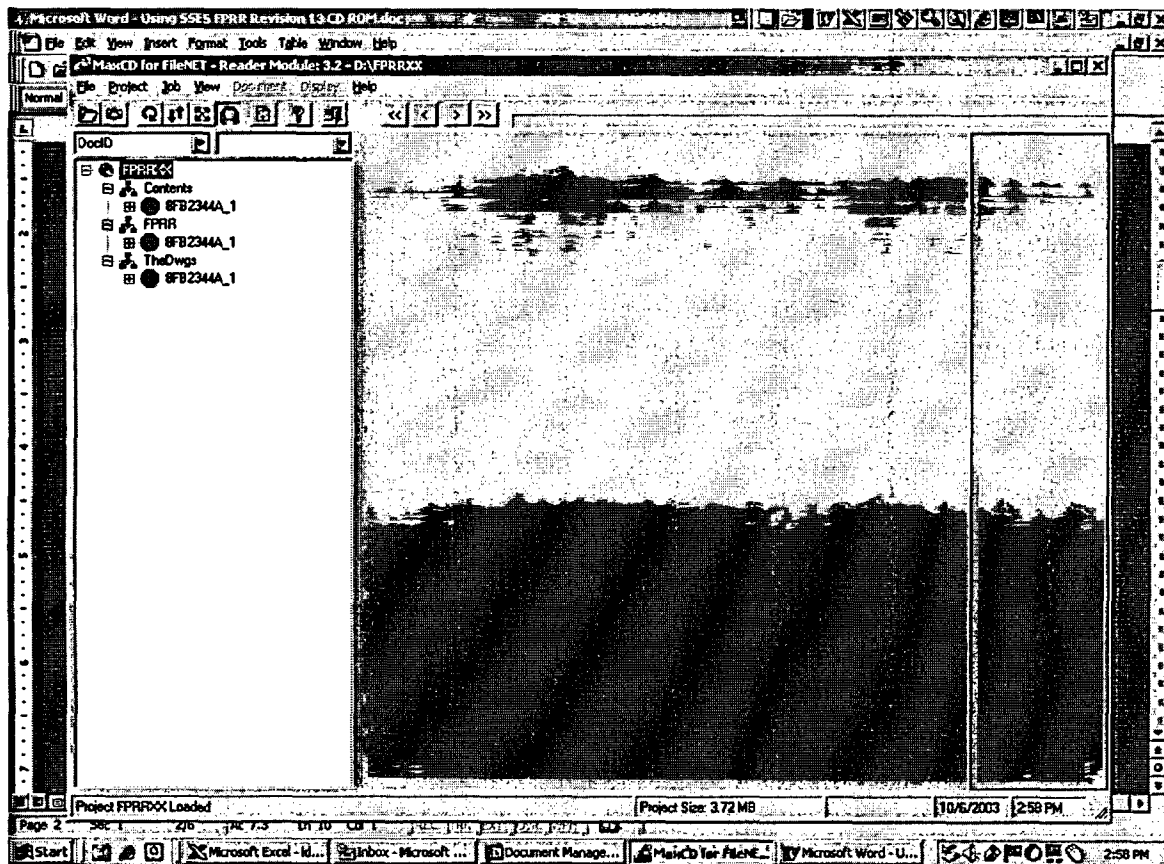
There is one executable file on this CD, named CDSetup.exe. Executing this file will install the MaxCD™ reader on your PC.

After the setup program for MaxCD™ is completed, the user will be asked to reboot the PC to complete program installation in the Windows registry. Once this reboot has been accomplished, MaxCD™ can be run to view the contents of the CD.

### **“Executing” Basic Reader Sorts**

The MaxCD™ reader is started from the START-Programs-MaxCD for FileNet - Reader selection in Windows.

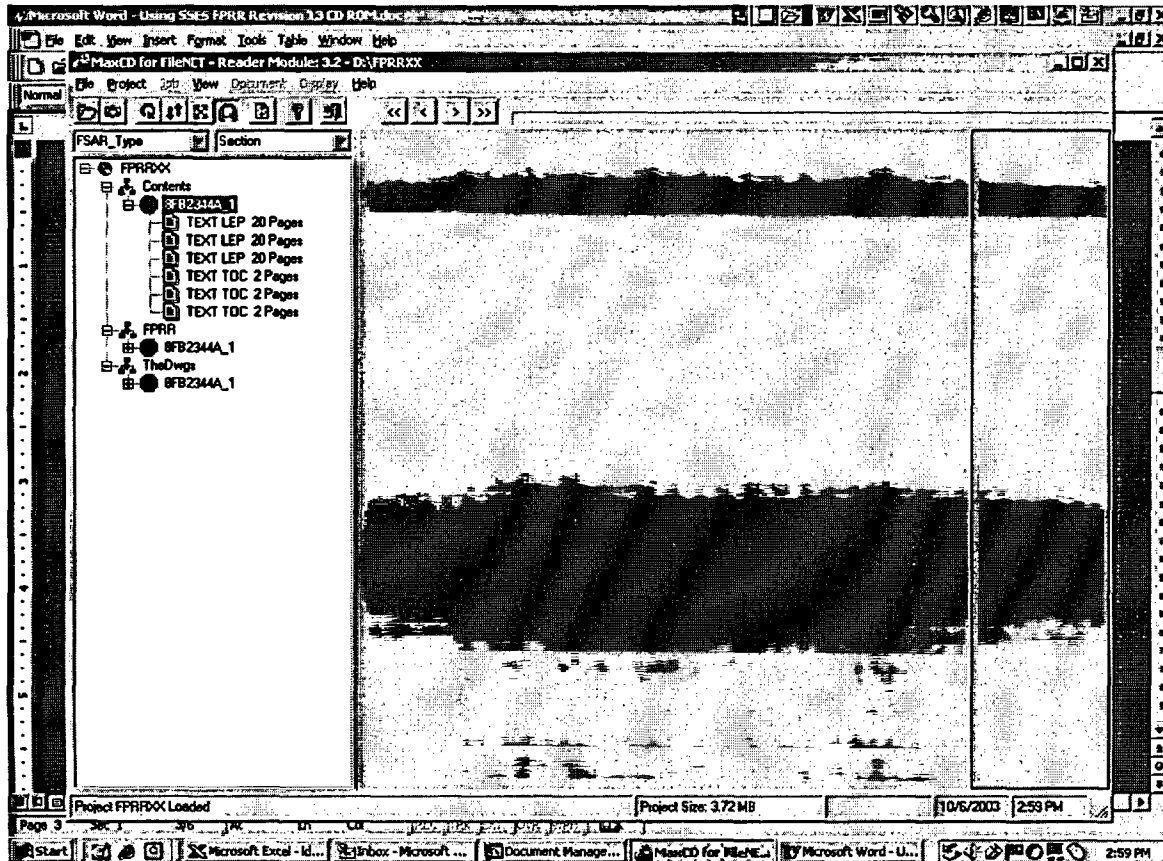
When started, the database for the index information will be read and a basic skeleton “data tree” outline of the data on the CD will be presented on the left hand side of the program window (See Screen Image Below).



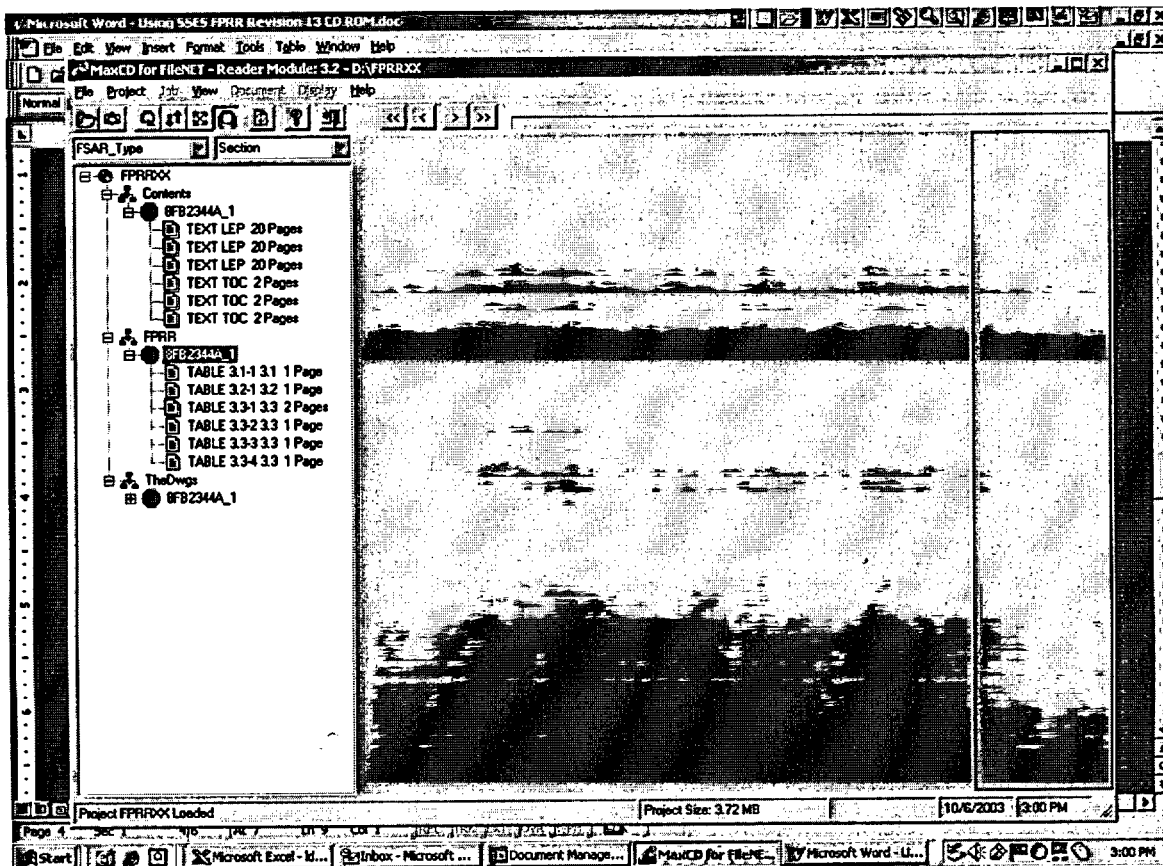
Above this skeleton are two pull-down boxes containing available sort criteria for the images (Contents, FPRR, TheDwgs).



The "Contents" sort contains the List of Effective Pages (LEP) and Table of Contents for the FPRR. To execute this sort, start by making the selections "FSAR\_Type" and 'Section' in the "drop-down" menu windows. Then left-click on the "+" symbol to the left of the blue-green octagonal symbol on the data-tree "Contents" sort. At this point, a bar graph loading indicator will signal that the database is being searched and loaded (See Screen Image Below).

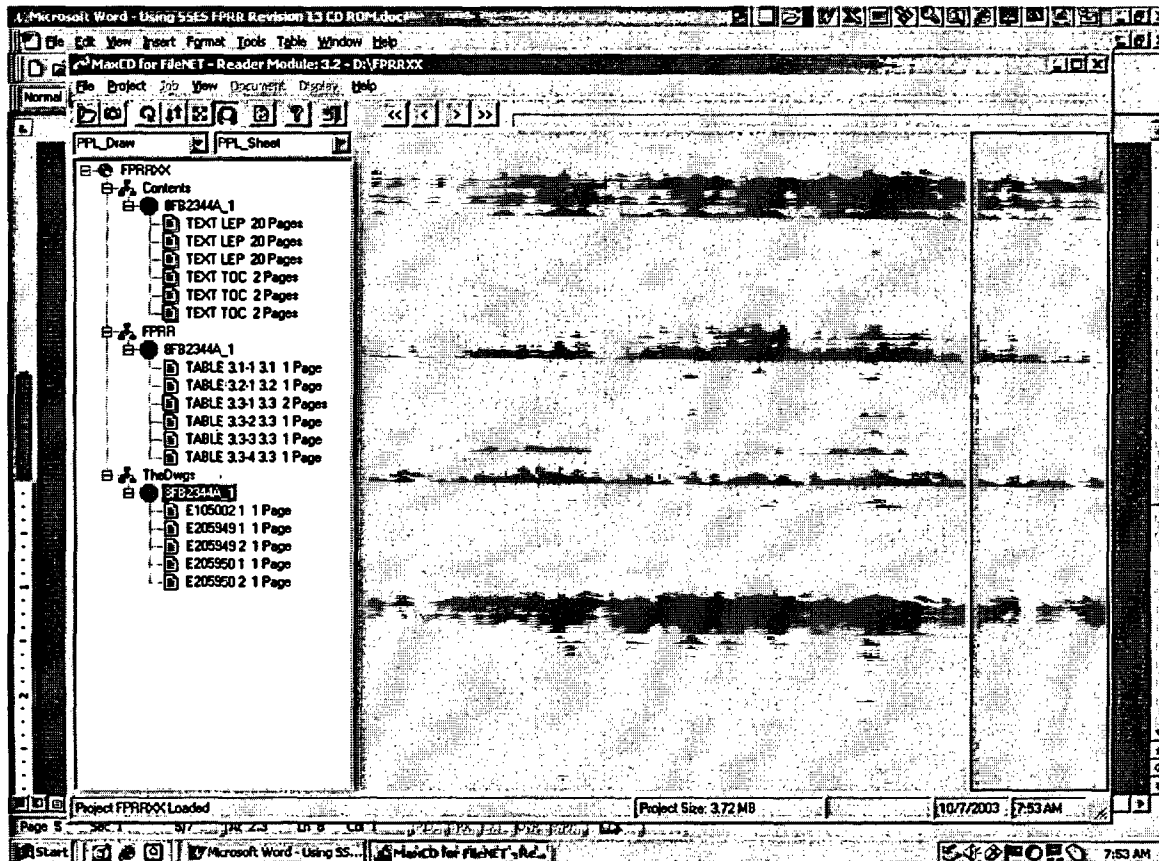


The "FPRR" sort contains the Text, Tables, Table of Contents, and List of Effective Pages of the FPRR. To execute this sort, start by making the selections "FSAR\_Type" and 'Section' in the "drop-down" menu windows. Then left-click on the "+" symbol to the left of the blue-green octagonal symbol on the data-tree "FPRR" sort. At this point, a bar graph loading indicator will signal that the database is being searched and loaded (See Screen Image Below).



When loading is complete, the tree view will show the FPRR, Table of Contents, the List of Effective Pages, and the contents of the FPRR sorted primarily by Table and Text.

The "TheDwgs" sort contains images of all the drawings referenced in Section 8.0 of the FPRR. To execute this sort, start by making the selections "PPL\_Draw" and "PPL\_Sheet" in the "drop-down" menu windows. Then left-click on the "+" symbol to the left of the blue-green octagonal symbol on the data-tree "TheDwgs" sort. At this point, a bar graph loading indicator will signal that the database is being searched and loaded (See Screen Image Below).



When loading is complete, the tree view will show the FPRR List of Effective Pages, Table of Contents, the contents of the FPRR sorted primarily by Table and Text and a listing of drawing arrange by drawing number as referenced in the FPRR.

## Viewing Images

To view any item, double-click on the item and it will be displayed in the view window. If the document selected is a multi-page image, thumbnails of the images in the file will be placed on the far right side of the view window for easier page selection.

The screenshot shows a Microsoft Word window titled 'Microsoft Word - Using SSSES FPRR Revision 1.3 CD ROM.doc'. The document is titled 'FPRR'. The left pane shows a table of contents with the following items:

- Contents
  - 8FB2344A\_1
    - TEXT LEP 20 Pages
    - TEXT LEP 20 Pages
    - TEXT LEP 20 Pages
    - TEXT TOC 2 Pages
    - TEXT TOC 2 Pages
    - TEXT TOC 2 Pages
  - FPRR
    - 8FB2344A\_1
      - TABLE 3.1-1 3.1 1 Page
      - TABLE 3.2-1 3.2 1 Page
      - TABLE 3.3-1 3.3 2 Pages
      - TABLE 3.3-2 3.3 1 Page
      - TABLE 3.3-3 3.3 1 Page
      - TABLE 3.3-4 3.3 1 Page
    - TheDwgs
      - 8FB2344A\_1
        - E105002 1 1 Page
        - E205949 1 1 Page
        - E205949 2 1 Page
        - E205950 1 1 Page
        - E205950 2 1 Page

The main window displays 'TABLE 3.1-1 SAFE SHUTDOWN PATHS'. The table has three columns: 'PATH 1', 'PATH 2', and 'PATH 3'. The table contains detailed descriptions of shutdown paths for various components like 'Generator Control', 'Steam Generator Control', 'Reactor Control', etc. On the right side of the main window, there are two thumbnails of the document pages.

To page through a multiple page item use "Ctrl N" to page down and "Ctrl P" to page to the previously displayed page. Other "Quick Keys" are listed below.

**Quick Keys**

Ctrl+T	Thumbnails on/off
Ctrl+C	Copy
Ctrl+G	Gray Scale
Ctrl+O	Color
Ctrl+R	Rotate Right
Ctrl+L	Rotate Left
Ctrl+D	Rotate Document
Ctrl+N	Next Page
Ctrl+P	Previous Page
Ctrl+F	Flip
Ctrl+Z	Zoom
F5	Refresh Tree View