



Scott L. Batson
Vice President
Oconee Nuclear Station

Duke Energy
ON01VP | 7800 Rochester Hwy
Seneca, SC 29672

ONS-2014-032

o: 864.873.3274
f: 864.873.4208

Scott.Batson@duke-energy.com

March 4, 2014

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852-2746

Subject: Duke Energy Carolinas, LLC
Oconee Nuclear Station
Docket Numbers 50-269, 50-270, and 50-287
UFSAR/Selected Licensee Commitments Change

Pursuant to 10CFR 50.71(e), please find attached the latest revision to the Oconee Nuclear Station Selected Licensee Commitments (SLC) Manual. This document constitutes Chapter 16 of the Updated Final Safety Analysis Report (UFSAR).

Any questions regarding this information should be directed to Sandra N. Severance, Regulatory Affairs, at (864) 873-3466.

I certify that I am a duly authorized officer of Duke Energy Carolinas, LLC, and that the information contained herein accurately represents changes made to Chapter 16 of the UFSAR since the previous submittal. I declare under penalty of perjury that the foregoing is true and correct. Executed on March 4, 2014.

Sincerely,

Scott L. Batson
Vice President
Oconee Nuclear Station

Attachment

A053
NRR

U. S. Nuclear Regulatory Commission
March 4, 2014
Page 2

cc: Mr. Victor McCree, Regional Administrator
U.S. Nuclear Regulatory Commission, Region II
Marquis One Tower
245 Peachtree Center Ave., NE, Suite 1200
Atlanta, GA 30303-1257

Mr. Richard Guzman, Senior Project Manager
(by electronic mail only)
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
11555 Rockville Pike
Mail Stop O-8C2
Rockville, MD 20852-2746

Mr. Eddy Crowe
Senior Resident Inspector
Oconee Nuclear Station



Re: Oconee Nuclear Station
Selected Licensee Commitments (SLC) Manual Change
Revision Date: 2/10/14

Please replace the corresponding pages in your copy of the Oconee SLC Manual as follows:

REMOVE THESE PAGES

- List of Effective Pages (LOEP) 1- 13
- SLC Table of Contents 16.0-1 thru 16.0-7
- SLC Pages 16.5.6-1 thru 2
- SLC Pages 16.9.6-1 thru 11

INSERT THESE PAGES

- List of Effective Pages (LOEP) 1- 13
- SLC Table of Contents 16.0-1 thru 16.0-7
- SLC Page 16.5.6-1
- SLC Pages 16.9.6-1 thru 11

If you have any questions concerning the contents of this SLC Manual update, contact Sandra Severance at (864) 873-3466.

Chris Wasik
Regulatory Affairs Manager

Attachment

Oconee Nuclear Station

Revised Selected Licensee Commitments Manual Pages

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
LOEP 1	02/10/14
LOEP 2	02/10/14
LOEP 3	11/15/12
LOEP 4	12/05/12
LOEP 5	12/31/12
LOEP 6	02/10/14
LOEP 7	11/08/13
LOEP 8	11/08/13
LOEP 9	11/14/13
LOEP 10	11/14/13
LOEP 11	11/08/13
LOEP 12	11/08/13
LOEP 13	11/08/13
16.0-1	02/10/14
16.0-2	02/10/14
16.0-3	02/10/14
16.0-4	02/10/14
16.0-5	02/10/14
16.0-6	02/10/14
16.1-1	10/15/07
16.2-1	3/27/99
16.2-2	3/27/99
16.2-3	3/27/99
16.3-1	3/27/99
16.5.1-1	11/26/12
16.5.1-2	11/26/12
16.5.1-3	11/26/12
16.5.2-1	11/15/12
16.5.2-2	11/15/12
16.5.2-3	11/15/12
16.5.2-4	Delete 5/11/99
16.5.2-5	Delete 5/11/99
16.5.3-1	02/21/07
16.5.3-2	02/21/07
16.5.3-3	02/21/07
16.5.4-1	11/15/12
16.5.4-2	11/15/12
16.5.5-1	Delete 5/16/09
16.5.5-2	Delete 5/16/09
16.5.5-3	Delete 5/16/09
16.5.5-4	Delete 5/16/09

LOEP 1

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.5.5-5	Delete 5/16/09
16.5.6-1	Delete 02/10/14
16.5.6-2	Delete 02/10/14
16.5.7-1	12/13/06
16.5.7-2	12/13/06
16.5.7-3	12/13/06
16.5.7-4	12/13/06
16.5.7-5	12/13/06
16.5.7-6	12/13/06
16.5.8-1	01/31/07
16.5.8-2	01/31/07
16.5.8-3	01/31/07
16.5.8-4	01/31/07
16.5.8-5	01/31/07
16.5.8a-1	5/19/05
16.5.8a-2	5/19/05 (Delete)
16.5.8a-3	5/19/05 (Delete)
16.5.9-1	11/15/12
16.5.9-2	11/15/12
16.5.10-1	10/8/03
16.5.10-2	10/8/03
16.5.11-1	1/31/00
16.5.12-1	3/27/99
16.5.13-1	3/27/99
16.5.13-2	12/01/99
16.5.13-3	12/01/99
16.6.1-1	07/23/12
16.6.1-2	07/23/12
16.6.1-3	07/23/12
16.6.1-4	07/23/12
16.6.1-5	Delete
16.6.2-1	01/31/07
16.6.2-2	01/31/07
16.6.2-3	01/31/07
16.6.2-4	01/31/07
16.6.2-5	01/31/07
16.6.2-6	01/31/07
16.6.2-7	01/31/07
16.6.2-8	Delete
16.6.2-9	Delete
16.6.2-10	Delete

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.6.2-11	Delete
16.6.2-12	Delete
16.6.3-1	11/15/12
16.6.4-1	11/15/12
16.6.4-2	11/15/12
16.6.4-3	11/15/12
16.6.4-4	11/15/12
16.6.4-5	11/15/12
16.6.4-6	11/15/12
16.6.5-1	12/14/00
16.6.6-1	11/15/12
16.6.7-1	3/27/99
16.6.8-1	3/27/99
16.6.9-1	11/15/12
16.6.9-2	11/15/12
16.6.10-1	11/15/12
16.6.10-2	11/15/12
16.6.10-3	11/15/12
16.6.11-1	11/15/12
16.6.11-2	11/15/12
16.6.12-1	11/15/12
16.6.12-2	11/15/12
16.6.12-3	11/15/12
16.6.12-4	5/17/05 (Delete)
16.6.12-5	Delete
16.6.12-6	Delete
16.6.12-7	Delete
16.6.13-1	03/31/08
16.6.13-2	03/31/08
16.6.13-3	03/31/08
16.6.14-1	8/15/02
16.6.14-2	8/15/02
16.6.14-3	8/15/02
16.6.14-4	8/15/02
16.6.15-1	11/15/12
16.6.15-2	11/15/12
16.7.1-1	11/15/12
16.7.1-2	11/15/12
16.7.2-1	11/15/12
16.7.2-2	11/15/12
16.7.2-3	11/15/12

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.7.3-1	11/15/12
16.7.3-2	11/15/12
16.7.4-1	7/14/05
16.7.4-2	7/14/05
16.7.4-3	7/14/05
16.7.5-1	11/15/12
16.7.5-2	11/15/12
16.7.5-3	11/15/12
16.7.5-4	11/15/12
16.7.6-1	11/15/12
16.7.6-2	11/15/12
16.7.6-3	11/15/12
16.7.6-4	11/15/12
16.7.7-1	11/15/12
16.7.7-2	11/15/12
16.7.8-1	3/27/99
16.7.8-2	3/27/99
16.7.9-1	10/23/03
16.7.10-1	11/15/12
16.7.10-2	11/15/12
16.7.11-1	11/15/12
16.7.11-2	11/15/12
16.7.11-3	11/15/12
16.7.12-1	6/30/04
16.7.12-2	6/30/04
16.7.13-1	12/05/12
16.7.13-2	12/05/12
16.7.13-3	12/05/12
16.7.14-1	11/15/12
16.7.14-2	11/15/12
16.7.14-3	11/15/12
16.7.14-4	11/15/12
16.7.15-1	6/03/11
16.7.15-2	6/03/11
16.7.15-3	6/03/11
16.8.1-1	8/09/01
16.8.1-2	8/09/01
16.8.2-1	2/10/05
16.8.2-2	2/10/05

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.8.3-1	10/20/09
16.8.3-2	10/20/09
16.8.3-3	10/20/09
16.8.3-4	10/20/09
16.8.3-5	10/20/09
16.8.3-6	10/20/09
16.8.3-7	10/20/09
16.8.4-1	2/10/05
16.8.4-2	2/10/05
16.8.4-3	2/10/05
16.8.4-4	2/10/05
16.8.4-5	Delete 2/10/05
16.8.4-6	Delete 2/10/05
16.8.4-7	Delete 2/10/05
16.8.4-8	Delete 2/10/05
16.8.4-9	Delete 9/25/04
16.8.5-1	07/23/12
16.8.5-2	07/23/12
16.8.5-3	07/23/12
16.8.5-4	Delete 12/21/04
16.8.5-5	Delete 12/21/04
16.8.6-1	01/04/07
16.8.6-2	01/04/07
16.8.6-3	01/04/07
16.8.7-1	1/31/00
16.8.8-1	1/31/00
16.8.9-1	6/21/05
16.8.9-2	6/21/05
16.8.9-3	6/21/05
16.8.9-4	6/21/05
16.9.1-1	12/05/12
16.9.1-2	12/05/12
16.9.1-3	12/05/12
16.9.1-4	12/05/12
16.9.1-5	12/05/12
16.9.1-6	12/05/12
16.9.2-1	12/31/12
16.9.2-2	12/31/12
16.9.2-3	12/31/12
16.9.2-4	12/31/12
16.9.2-5	12/31/12

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.9.2-6	12/31/12
16.9.3-1	12/31/12
16.9.3-2	12/31/12
16.9.4-1	11/11/13
16.9.4-2	11/11/13
16.9.4-3	11/11/13
16.9.4-4	11/11/13
16.9.4-5	11/11/13
16.9.4-6	11/11/13
16.9.4-7	11/11/13
16.9.4-8	11/11/13
16.9.4-9	11/11/13
16.9.5-1	12/31/12
16.9.5-2	12/31/12
16.9.5-3	12/31/12
16.9.5-4	12/31/12
16.9.5-5	12/31/12
16.9.6-1	02/10/14
16.9.6-2	02/10/14
16.9.6-3	02/10/14
16.9.6-4	02/10/14
16.9.6-5	02/10/14
16.9.6-6	02/10/14
16.9.6-7	02/10/14
16.9.6-8	02/10/14
16.9.6-9	02/10/14
16.9.6-10	02/10/14
16.9.6-11	02/10/14
16.9.7-1	07/23/12
16.9.7-2	07/23/12
16.9.7-3	07/23/12
16.9.7-4	07/23/12
16.9.7-5	07/23/12
16.9.7-6	07/23/12
16.9.7-7	07/23/12
16.9.7-8	07/23/12
16.9.7-9	Delete
16.9.8-1	2/15/06
16.9.8-2	2/15/06
16.9.8-3	Delete 2/15/06
16.9.8-4	Delete

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.9.8-5	Delete
16.9.8-6	Delete
16.9.8-7	Delete
16.9.8a-1	2/7/05
16.9.8a-2	2/7/05
16.9.8a-3	2/7/05
16.9.9-1	11/15/12
16.9.9-2	11/15/12
16.9.9-3	11/15/12
16.9.9-4	11/15/12
16.9.10-1	1/12/04
16.9.10-2	1/12/04
16.9.11-1	11/15/12
16.9.11-2	11/15/12
16.9.11-3	11/15/12
16.9.11-4	11/15/12
16.9.11-5	11/15/12
16.9.11-6	11/15/12
16.9.11-7	11/15/12
16.9.11-8	11/15/12
16.9.11a-1	11/15/12
16.9.11a-2	11/15/12
16.9.11a-3	11/15/12
16.9.11a-4	11/15/12
16.9.11a-5	11/15/12
16.9.11a-6	11/15/12
16.9.11a-7	11/15/12
16.9.11a-8	11/15/12
16.9.11a-9	11/15/12
16.9.11a-10	11/15/12
16.9.11a-11	11/15/12
16.9.11a-12	11/15/12
16.9.11a-13	11/15/12
16.9.11a-14	11/15/12
16.9.11a-15	11/15/12
16.9.11a-16	Deleted 3/10/08
16.9.12-1	12/01/13
16.9.12-2	12/01/13
16.9.12-3	12/01/13
16.9.12-4	12/01/13
16.9.12-5	12/01/13

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.9.12-6	12/01/13
16.9.12-7	12/01/13
16.9.12-8	12/01/13
16.9.12-9	12/01/13
16.9.12-10	12/01/13
16.9.12-11	12/01/13
16.9.12-12	12/01/13
16.9.12-13	12/01/13
16.9.12-14	12/01/13
16.9.12-15	12/01/13
16.9.12-16	12/01/13
16.9.12-17	12/01/13
16.9.12-18	12/01/13
16.9.12-19	Deleted 12/01/13
16.9.12-20	Deleted 12/01/13
16.9.12-21	Deleted 12/01/13
16.9.12-22	Deleted 12/01/13
16.9.13-1	01/31/07
16.9.13-2	01/31/07
16.9.13-3	01/31/07
16.9.13-4	01/31/07
16.9.14-1	10/28/04
16.9.14-2	10/28/04
16.9.15-1	3/27/99
16.9.15-2	3/27/99
16.9.15-3	3/27/99
16.9.16-1	4/01/08
16.9.16-2	4/01/08
16.9.16-3	4/01/08
16.9.17-1	5/23/01
16.9.17-2	3/27/99
16.9.18-1	11/15/12
16.9.18-2	11/15/12
16.9.18-3	11/15/12
16.9.18-4	11/15/12
16.9.18-5	11/15/12
16.9.18-6	11/15/12
16.9.18-7	11/15/12
16.9.18-8	11/15/12
16.9.18-9	11/15/12
16.9.18-10	11/15/12

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.9.18-11	11/15/12
16.9.18-12	11/15/12
16.9.18-13	11/15/12
16.9.18-14	11/15/12
16.9.18-15	11/15/12
16.9.18-16	11/16/12
16.9.19-1	3/31/05
16.9.19-2	3/31/05
16.9.20-1	12/21/09
16.9.20-2	12/21/09
16.9.20-3	12/21/09
16.9.20-4	12/21/09
16.9.20-5	12/21/09
16.9.21-1	07/09/09
16.9.21-2	07/09/09
16.9.21-3	07/09/09
16.9.21-4	07/09/09
16.9.22-1	11/14/13
16.9.22-2	11/14/13
16.9.22-3	11/14/13
16.9.22-4	11/14/13
16.10.1-1	11/15/12
16.10.1-2	11/15/12
16.10.1-3	Deleted 9/18/03
16.10.2-1	12/2/03
16.10.2-2	12/2/03
16.10.3-1	3/27/99
16.10.3-2	3/27/99
16.10.4-1	11/15/12
16.10.5-1	Deleted 8/24/04
16.10.6-1	3/27/99
16.10.7-1	4/29/99
16.10.7-2	4/29/99
16.10.7-3	1/31/00
16.10.7-4	4/29/99
16.10.7-5	4/29/99
16.10.7-6	4/29/99
16.10.7-7	4/29/99
16.10.7-8	4/29/99
16.10.7-9	4/29/99
16.10.8-1	11/27/06

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.10.8-2	11/27/06
16.10.8-3	11/27/06
16.10.8-4	11/27/06
16.10.8-5	11/27/06
16.10.9-1	11/25/09
16.10.9-2	11/25/09
16.10.9-3	11/25/09
16.10.9-4	11/25/09
16.10.9-5	11/25/09
16.11.1-1	3/15/11
16.11.1-2	3/15/11
16.11.1-3	3/15/11
16.11.1-4	3/15/11
16.11.1-5	3/15/11
16.11.1-6	3/15/11
16.11.1-7	3/15/11
16.11.2-1	1/31/00
16.11.2-2	3/27/99
16.11.2-3	1/31/00
16.11.2-4	3/27/99
16.11.2-5	1/31/00
16.11.2-6	1/31/00
16.11.3-1	11/20/08
16.11.3-2	11/20/08
16.11.3-3	11/20/08
16.11.3-4	11/20/08
16.11.3-5	11/20/08
16.11.3-6	11/20/08
16.11.3-7	11/20/08
16.11.3-8	11/20/08
16.11.3-9	11/20/08
16.11.3-10	11/20/08
16.11.3-11	11/20/08
16.11.3-12	11/20/08
16.11.3-13	11/20/08
16.11.3-14	11/20/08
16.11.3-15	11/20/08
16.11.3-16	11/20/08
16.11.3-17	11/20/08
16.11.3-18	11/20/08
16.11.3-19	11/10/04 (Deleted)

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.11.4-1	11/08/13
16.11.4-2	11/08/13
16.11.4-3	11/08/13
16.11.4-4	11/08/13
16.11.4-5	11/08/13
16.11.4-6	11/08/13
16.11.4-7	11/08/13
16.11.4-8	11/10/04 (Delete)
16.11.5-1	10/30/02
16.11.5-2	10/30/02
16.11.5-3	10/30/02
16.11.5-4	10/30/02
16.11.6-1	11/08/13
16.11.6-2	11/08/13
16.11.6-3	11/08/13
16.11.6-4	11/08/13
16.11.6-5	11/08/13
16.11.6-6	11/08/13
16.11.6-7	11/08/13
16.11.6-8	11/08/13
16.11.6-9	11/08/13
16.11.6-10	11/08/13
16.11.7-1	1/31/00
16.11.7-2	1/31/00
16.11.7-3	3/27/99
16.11.7-4	1/31/00
16.11.8-1	12/21/09
16.11.8-2	12/21/09
16.11.9-1	03/22/10
16.11.9-2	03/22/10
16.11.9-3	03/22/10
16.11.10-1	2/25/03
16.11.10-2	2/25/03
16.11.11-1	3/27/99
16.11.12-1	4/10/03
16.11.12-2	4/10/03
16.11.13-1	3/27/99
16.11.13-2	3/27/99
16.11.14-1	3/27/99
16.11.14-2	3/27/99

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.12.1-1	3/27/99
16.12.2-1	5/3/07
16.12.2-2	5/3/07
16.12.3-1	5/1/03
16.12.3-2	5/1/03
16.12.4-1	3/27/99
16.12.5-1	3/27/99
16.12.6-1	11/08/07
16.13.1-1	5/13/04
16.13.1-2	5/13/04
16.13.1-3	5/13/04
16.13.1-4	5/13/04
16.13.1-5	5/13/04
16.13.1-6	5/13/04
16.13.1-7	5/13/04
16.13.1-8	5/13/04
16.13.1-9	5/13/04
16.13.2-1	12/15/04
16.13.2-2	Delete 12/15/04
16.13.2-3	Delete 12/15/04
16.13.2-4	Delete 12/15/04
16.13.3-1	12/15/04
16.13.3-2	Delete 12/15/04
16.13.4-1	3/27/99
16.13.5-1	Delete
16.13.5-2	Delete
16.13.6-1	3/27/99
16.13.7-1	12/15/04
16.13.7-2	12/15/04
16.13.8-1	3/27/99
16.13.9-1	3/27/99
16.13.9-2	3/27/99
16.13.10-1	3/27/99
16.13.11-1	3/27/99
16.14.1-1	11/15/12
16.14.2-1	07/23/12
16.14.2-2	07/23/12
16.14.3-1	3/27/99
16.14.4-1	Deleted 3/15/11
16.14.4.a-1	3/15/11
16.15.1-1	4/12/06

Oconee Nuclear Station
Selected Licensee Commitments Revised 02/10/14

List of Effective Pages

<u>Page</u>	<u>Revision Date</u>
16.15.1-2	Deleted 4/12/06
16.15.1-3	Deleted 4/12/06
16.15.1-4	Deleted 4/12/06
16.15.1-5	Deleted 4/12/06
16.15.2-1	11/15/12
16.15.2-2	11/15/12
16.15.2-3	11/15/12
16.15.2-4	11/15/12
16.15.2-5	11/15/12
16.15.3-1	11/15/12
16.15.3-2	11/15/12
16.15.3-3	11/15/12
16.15.3-4	11/15/12
16.15.3-5	11/15/12

TABLE OF CONTENTS

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.0	SELECTED LICENSEE COMMITMENTS	16.1-1
16.1	INTRODUCTION	16.1-1
16.2	APPLICABILITY	16.2-1
16.3	DEFINITIONS	16.3-1
16.4	COMMITMENTS RELATED TO REACTOR COMPONENTS	Pending
16.5	REACTOR COOLANT SYSTEM	16.5.1-1
16.5.1	Reactor Coolant System Vents	16.5.1-1
16.5.2	Low Temperature Overpressure Protection (LTOP) System	16.5.2.1
16.5.3	Loss of Decay Heat Removal	16.5.3-1
16.5.4	Reactor Coolant System (RCS) Boron Sampling	16.5.4-1
16.5.5	[DELETED]	16.5.5-1
16.5.6	[DELETED]	16.5.6-1
16.5.7	Chemistry Requirements	16.5.7-1
16.5.8	Pressurizer	16.5.8-1
16.5.8a	[DELETED]	16.5.8a-1
16.5.9	Testing Following Opening of System (Core Barrel Bolt Inspections)	16.5.9.1
16.5.10	Loss of Reactor Coolant	16.5.10-1
16.5.11	Subcriticality	16.5.11-1
16.5.12	RCS Leakage Testing Following Opening of System	16.5.12-1
16.5.13	High Pressure Injection and the Chemical Addition Systems	16.5.13-1
16.6	COMMITMENTS RELATED TO ENGINEERED SAFETY FEATURES (NON-ESF SYSTEMS)	16.6.1-1
16.6.1	Containment Leakage Tests	16.6.1-1
16.6.2	Reactor Building Post-Tensioning System	16.6.2-1
16.6.3	Containment Heat Removal Verification Frequency	16.6.3-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.6.4	Low Pressure Injection System Leakage	16.6.4-1
16.6.5	Core Flood Tank Discharge Valve Breakers	16.6.5-1
16.6.6	Core Flooding System Test	16.6.6-1
16.6.7	BWST Outlet Valve Control	16.6.7-1
16.6.8	LPI System Valve Test Restrictions	16.6.8-1
16.6.9	Containment Purge Valve Testing	16.6.9-1
16.6.10	Trisodium Phosphate (TSP)	16.6.10-1
16.6.11	Containment Debris Sources	16.6.11-1
16.6.12	Additional High Pressure Injection (HPI) Requirements	16.6.12-1
16.6.13	Additional Requirements to Support Low Pressure Injection (LPI) Operability	16.6.13-1
16.6.14	Control of HPI and LPI/RBS Pump Room Temperatures	16.6.14-1
16.6.15	High Pressure Injection (HPI) and Liquid Waste Disposal (LWD) Leakage	16.6.15-1
16.7	INSTRUMENTATION	16.7.1-1
16.7.1	Accident Monitoring Instrumentation	16.7.1-1
16.7.2	Anticipated Transient Without Scram	16.7.2-1
16.7.3	Emergency Feedwater System	16.7.3-1
16.7.4	Hydrogen Analyzers	16.7.4-1
16.7.5	Steam Generator Overfill Protection	16.7.5-1
16.7.6	Diverse Actuation Systems	16.7.6-1
16.7.7	Position Indicator Channels	16.7.7-1
16.7.8	Incore Instrumentation	16.7.8-1
16.7.9	RCP Monitor	16.7.9-1
16.7.10	Core Flood Tank Instrumentation	16.7.10-1
16.7.11	Display Instrumentation	16.7.11-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.7.12	SSF Diesel Generator (DG) Air Start System Pressure Instrumentation	16.7.12-1
16.7.13	SSF Instrumentation	16.7.13-1
16.7.14	Rod Withdrawal Alarm Limit	16.7.14-1
16.7.15	Engineered Safeguards Protective System (ESPS) Voter Trouble Alarm	16.7.15-1
16.8	ELECTRIC POWER SYSTEMS	16.8.1-1
16.8.1	Control of Room Temperatures for Station Blackout	16.8.1-1
16.8.2	Additional Requirements to Support Keowee Hydro Unit (KHU) OPERABILITY	16.8.2-1
16.8.3	Power Battery Parameters	16.8.3-1
16.8.4	Keowee Operational Restrictions	16.8.4-1
16.8.5	Keowee Hydro Unit Steady State Frequency	16.8.5-1
16.8.6	Lee/Central Alternate Power System	16.8.6-1
16.8.7	Auctioneering Diodes	16.8.7-1
16.8.8	External Grid Trouble Protection	16.8.8-1
16.8.9	Keowee Governor Speed Out Of Tolerance (OOT) Alarm	16.8.9-1
16.9	AUXILIARY SYSTEMS	16.9.1-1
16.9.1	Fire Suppression Water System	16.9.1-1
16.9.2	Sprinkler and Spray Systems	16.9.2-1
16.9.3	Keowee CO ₂ Systems	16.9.3-1
16.9.4	Fire Hose Stations	16.9.4-1
16.9.5	Fire Barriers	16.9.5-1
16.9.6	Fire Detection Instrumentation	16.9.6-1
16.9.7	Keowee Lake Level	16.9.7-1
16.9.8	Control Room Ventilation System (CRVS) Booster Fans	16.9.8-1
16.9.8a	HPSW System Requirements to Support Loss of LPSW	16.9.8a-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.9.9	Auxiliary Service Water System and Main Steam Dump Valve Operability requirements	16.9.9-1
16.9.10	Component Cooling and HPI Seal Injection to Reactor Coolant Pumps	16.9.10-1
16.9.11	Turbine Building Flood Protection Measures	16.9.11-1
16.9.11a	Auxiliary Building Flood Protection Measures	16.9.11a-1
16.9.12	Additional Low Pressure Service Water (LPSW) And Siphon Seal Water (SSW) System Operability Requirements	16.9.12-1
16.9.13	Spent Fuel Cooling System	16.9.13-1
16.9.14	SSF Diesel Generator (DG) Inspection Requirements	16.9.14-1
16.9.15	Radioactive Material Sources	16.9.15-1
16.9.16	Reactor Building Polar Crane and Auxiliary Hoist (RCS System Open)	16.9.16-1
16.9.17	Reactor Building Polar Crane (RCS at elevated temperature and pressure)	16.9.17-1
16.9.18	Snubbers	16.9.18-1
16.9.19	Gravity Induced Reverse Flow to Standby Shutdown Facility (SSF) Through a Unit 2 Condensate Cooler	16.9.19-1
16.9.20	Diesel Driven Service Air Compressors	16.9.20-1
16.9.21	Standby Shutdown Facility External Flood Protection	16.9.21-1
16.9.22	Protected Service Water System Unavailability	16.9.22-1
16.10	COMMITMENTS RELATED TO STEAM & POWER CONVERSION SYSTEMS	16.10.1-1
16.10.1	Local Start of Turbine Driven Emergency Feedwater (EFW) Pump	16.10.1-1
16.10.2	Steam Generator Secondary Side Pressure and Temperature (P/T) Limits	16.10.2-1
16.10.3	Emergency Feedwater (EFW) Pump and Valve Testing	16.10.3-1
16.10.4	Low Presssure Service Water System Testing	16.10.4-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.10.5	[DELETED]	16.10.5-1
16.10.6	Emergency Feedwater Controls	16.10.6-1
16.10.7	Alternate Source of Emergency Feedwater (EFW)	16.10.7-1
16.10.8	Upper Surge Tank (UST) Riser Branch Line Automatic Isolation Valves	16.10.8-1
16.10.9	Air Operated Valves (AOVs) Required to Support Standby Shutdown Facility (SSF) During Station Blackout (SBO)	16.10.9-1
16.11	RADIOLOGICAL EFFLUENTS CONTROL	16.11.1-1
16.11.1	Radioactive Liquid effluents	16.11.1-1
16.11.2	Radioactive Gaseous Effluents	16.11.2-1
16.11.3	Radioactive Effluent Monitoring Instrumentation	16.11.3-1
16.11.4	Operational Safety Review	16.11.4-1
16.11.5	Solid Radioactive Waste	16.11.5-1
16.11.6	Radiological Environmental Monitoring	16.11.6-1
16.11.7	Dose calculations	16.11.7-1
16.11.8	Reports	16.11.8-1
16.11.9	Radioactive effluent release report	16.11.9-1
16.11.10	Radiological Environmental Operating Reports	16.11.10-1
16.11.11	Iodine Radiation Monitoring Filters	16.11.11-1
16.11.12	Radioactive Material in Outside Temporary Tanks Exceeding Limit	16.11.12-1
16.11.13	Radioactive Material in Waste Gas Holdup Tank Exceeding Limit	16.11.13-1
16.11.14	Explosive Gas Mixture	16.11.14-1
16.12	REFUELING OPERATIONS	16.12.1-1
16.12.1	Decay Time for Movement of Irradiated Fuel	16.12.1-1
16.12.2	Area Radiation Monitoring for Fuel Loading and Refueling	16.12.2-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.12.3	Communication Between Control Room and Refueling Personnel	16.12.3-1
16.12.4	Handling of Irradiated Fuel Assemblies	16.12.4-1
16.12.5	Loads Suspended over Spent Fuel in Spent Fuel Pool	16.12.5-1
16.12.6	Fuel Damage During Fuel Handling Operations in Containment	16.12.6-1
16.13	CONDUCT OF OPERATION	16.13.1-1
16.13.1	Minimum Station Staffing Requirements	16.13.1-1
16.13.2	[DELETED]	16.13.2-1
16.13.3	[DELETED]	16.13.3-1
16.13.4	Reactivity Anomaly	16.13.4-1
16.13.5	Deleted	16.13.5-1
16.13.6	Retraining and Replacement of Station Personnel	16.13.6-1
16.13.7	Procedures for Control of Ph in Recirculated Coolant after Loss-of-coolant Accident & Long-term Emergency Core Cooling Systems	16.13.7-1
16.13.8	Respiratory Protective Program	16.13.8-1
16.13.9	Startup Report	16.13.9-1
16.13.10	Core Operating Limits Reports	16.13.10-1
16.13.11	Procedure for Station Survey Following an Earthquake	16.13.11-1
16.14	CONTROL RODS AND POWER DISTRIBUTION	16.14.1-1
16.14.1	APSR Movement	16.14.1-1
16.14.2	Control Rod Program Verification	16.14.2-1
16.14.3	Power Mapping	16.14.3-1
16.14.4	[DELETED]	16.14.4-1
16.14.4.a	Engineering Work Station	16.14.4.a-1

TABLE OF CONTENTS (continued)

<u>SECTION NO</u>	<u>TITLE</u>	<u>PAGE</u>
16.15	VENTILATION FILTER TESTING PROGRAM	16.15.1-1
16.15.1	[DELETED]	16.15.1-1
16.15.2	Control Room Pressurization and Filtering System	16.15.2-1
16.15.3	Spent Fuel Pool Ventilation System	16.15.3-1

16.5 REACTOR COOLANT SYSTEM

16.5.6 [DELETED]

16.9 AUXILIARY SYSTEMS

16.9.6 Fire Detection Instrumentation

COMMITMENT The provided Fire Detection Instrumentation for each equipment/location shall be **OPERABLE** as listed in Table 16.9.6-1.

-----**NOTE**-----
Fire Detection Instrumentation located within containment is not required to be **OPERABLE** during the performance of Type A Containment Leakage Rate Tests.

APPLICABILITY: At all times.

ACTIONS

-----NOTE-----

OPERABILITY of fire detection instrumentation for adequate equipment/location coverage may also be determined by the Site Fire Protection Engineer or designee, based on performance based assessment risk.

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A. All fire detection instruments in all fire zones inoperable due to fire detection system failure.</p>	<p>A.1 -----NOTE----- An hourly firewatch is not required for inaccessible equipment/locations such as the Reactor Building at power operation. Periodic inspections using a TV camera (if available) are permitted, or, the inaccessible equipment condition may be monitored by remote indications which would provide early warning of a fire. ----- Establish hourly fire watch patrol in all affected fire zones.</p>	<p>1 hour</p>

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. One or more Fire Detection Instrument(s) in any fire zone inoperable.</p>	<p>B.1 -----NOTE----- An hourly firewatch is not required for inaccessible equipment/locations such as the Reactor Building at power operation. Periodic inspections using a TV camera (if available) are permitted, or, the inaccessible equipment condition may be monitored by remote indications which would provide early warning of a fire. ----- Establish hourly fire watch patrol for the affected fire detection instruments or zones.</p>	<p>1 hour</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 16.9.6.1	Perform CHANNEL FUNCTIONAL TEST of Oconee Fire Detection Instruments using Fire Detection Instrumentation Control Board Panel Test Switch.	31 days
SR 16.9.6.2	Visually inspect Oconee Fire Detection Instruments accessible during power operation.	184 days
SR 16.9.6.3	Test each Oconee fire detector for sensitivity.	12 months
SR 16.9.6.4	Visually inspect Oconee Fire Detection Instruments not accessible during power operation.	24 months
SR 16.9.6.5	Test each Oconee fire detector not accessible during power operation for sensitivity.	24 months

TABLE 16.9.6-1
Fire Detection Instrumentation

OCONEE NUCLEAR STATION

Fire Area	Fire Zone	Location	Description	Details	Detectors Provided
AB			Auxiliary Building		
AB	48	El. 758 - Col. S-T/45-47	Unit 3 LPI & RB Spray Pumps	LPI/HPI areas	2
AB	49	El. 758 - Col. S-T/42-44	Unit 3 LPI & RB Spray Pumps	LPI/HPI areas	2
AB	50	El. 758 - Col. R-S/42-44	Unit 3 HPI Pump Area	LPI/HPI areas	1
AB	50A	El. 758 - Col. R-S/45-47	Unit 3 HPI Pump, Spent Resin Xfr Pump Waste Tank, Waste & CT Dm Pumps	LPI/HPI areas	1
AB	52	El. 758 - Col. S-T/29-31	Unit 2 LPI Pumps & Valve Room (Inside Room 63)	LPI/HPI areas	2
AB	53	El. 758 - Col. S-T/26-29	Units 1 & 2 LPI & RB Spray Pumps	LPI/HPI areas	2
AB	54	El. 758 - Col. S-T/24-26	Unit 1 LPI Pumps & Valve Room (Inside Room 61)	LPI/HPI areas	2
AB	55	El. 758 - Col. R-S/24-26	Unit 1 RB Sump & Cmp Dm Pump, HPI Pump, Spent resin Xfer Pump	LPI/HPI areas	1
AB	55A	El. 758 - Col. R-S/26-27	Unit 1 & 2 HPI Pump Area	LPI/HPI areas	1
AB	56	El. 758 - Col. R-S/28-30	Unit 2 Spent Resin Xfer Pump, HPI Pump, RB Sump & Comp Brn Pump, Wt	LPI/HPI areas	1
AB	58	Rms. 100, 261	Unit 3 BA Mix, Spt Res Storage, RC Bld HUT, CBAST, Misc WHUT	1st floor hallway	7
AB	60	Rm. 159	Unit 3 LPI Room Hatch Area	LPI hatch	3
AB	61	Rm. 158	Unit 3 HPI Room Hatch Area	all	3
AB	62	Rm. 157	Unit 3 Operators Panel/Chem Sample Hood	Waste Control	1
AB	64	Rm. 128	Unit 2 Emerg Aux Service Water Pump	ASW SWGR area/ PSW pump area	1
AB	65	Rm. 100	Unit 2 MWHT, Misc Wst Exp, CBAST, RC Bld Xfer Pmp, RC Bld HT	1st floor hallway	5
AB	67	Rm. 119	Unit 2 LPI Room Hatch Area	LPI hatch	3
AB	69	Rm. 117	Unit 2 Operators Panel/Chem Sample Hood	Waste Control	1
AB	70	Rm. 119	Unit 1 LPI Room Hatch Area	LPI hatch	1
AB	76	Rm. 100	Unit 1 RC HU Tnks, CBAST, RC Bld Xfr Pmp, Wst Dmg, Fltr Room SRST	1st floor hallway	6
AB	77	Rms. 200, 264	Unit 3 Storage, Chemistry Storage	all	14
AB	79	Rm. 252	Unit 3 RB Component Coolers	Component Coolers	1
AB	81	Rms. 200, 220, 224	Unit 2 I&E Hot shop, Misc Evap Fd Tk, Chem Storage, Laund, RC EFT	2nd floor hallway	9
AB	83	Rm. 216	Unit 1 & 2 RB Component Coolers	Component Coolers	1
AB	85	Rms. 200, 204	Unit 1 Chemistry Storage, High Level Storage	2nd floor hallway	11
AB	86	Rms. 356, 368	Unit 3 Hatch Area Chemistry Labs & Change Room	3rd floor hallway	32

TABLE 16.9.6-1
Fire Detection Instrumentation

Fire Area	Fire Zone	Location	Description	Details	Detectors Provided
AB			Auxiliary Building (cont'd)		
AB	89	Rms. 354, 354A	Unit 3 Equipment Room	all; including cable shaft	20
AB	90	Rms. 312, 328	Unit 2 Hallway, Change Room, Laundry Room, RP Lab, Chemistry Lab, Medical Room, and Decon Room	3rd hallway	33
AB	92	Rm. 311	Unit 2 Equipment Room	all; including cable shaft	13
AB	94	Rm. 300	Unit 1 Hallway, Hatch Area, Change Room, and Tool Storage	all	20
AB	95	Rm. 310	Unit 1 Equipment Room	all; including cable shaft	12
AB	99	Rm. 452	Unit 3 East Penetration Room	all	20
AB	100	Rms. 455, 458	Unit 3 Control Battery Room	all	4
AB	101	Rms. 450, 450B, Cable Shaft	Unit 3 Cable Room	all; including cable shaft	29
AB	103	Rm. 407	Unit 2 East Penetration Room	all	17
AB	104	Rm. 408	Unit 2 Control Battery Room	all	5
AB	105	Rm. 404	Unit 2 Cable Room	all; including cable shaft	21
AB	106	Rm. 403	Unit 1 Cable Room	all; including cable shaft	21
AB	108	Rms. 402	Unit 1 East Penetration Room	all	12
AB	109	Rm. 400	Unit 1 Control Battery Room	all	5
AB	110	Rms. 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 515, 516, 516A	Unit 1 & 2 Control Room	all	27
AB	112	Rms. 552, 553, 554, 556, 557	Unit 3 Control Room	all	29
AB	114	Rm. 669	Unit 3 Purge Inlet Equipment Room	all	5
AB	115	Rm. 666	Unit 3 Purge Exhaust Equipment Room	all	10
AB	116	Rms. 650, 651, 653, 657	Unit 3 AHU Room	all	6
AB	119	Rm. 603	Unit 1 & 2 AHU Room	all	8
BH			Blockhouse		
BH12	45	Unit 1 & 2 Block House	Unit 1 & 2 Block House	all	3
BH3	47	Unit 3 Block House	Unit 3 Block House	all	3

TABLE 16.9.6-1
Fire Detection Instrumentation

Fire Area	Fire Zone	Location	Description	Details	Detectors Provided
BH			Blockhouse (cont'd)		
CT4	46	CT-4 Block House	CT-4 Block House	Ionization smoke detection	2
PSW			PSW Building		
	PSW	PS101	Cable Vault	photoelectric smoke detectors only	2
	PSW	PS102	PSW Main Floor (transformer space)	photoelectric smoke detectors only	6
	PSW	PS103	Battery Room 2	photoelectric smoke detectors only	2
	PSW	PS104	Battery Room 1	photoelectric smoke detectors only	2
	PSW	PS105	Mezzanine Area	photoelectric smoke detectors only	4
RB			Reactor Building		
RB1	122	EL. 796+6 and 797+6	Unit 1 Reactor Building - Basement thru 4th Floor	all (both ionization and heat)	22
RB2	123	EL. 796+6 and 797+6	Unit 2 Reactor Building - Basement thru 4th Floor	all (both ionization and heat)	22
RB3	124	EL. 796+6 and 797+6	Unit 3 Reactor Building - Basement thru 4th Floor	all (both ionization and heat)	22
SSF			Standby Shutdown Facility		
SSF	SSF	SF104	Standby Shutdown Facility	all (Honeywell panel detection)	67
TB			Turbine Building		
TB	2	Ele. 775 - Col. E-F/54-55	Unit 3 EHC Area	all	1
TB	3	Ele. 775 - Col. H-N/48-56	Unit 3 Heater Drain Pumps 3D1 & 3D2	all (both ionization and beam)	15
TB	4	Ele. 775 - Col. E-F/54-55	Unit 3 Turbine Driven EFDW Pump Area	all	1
TB	6	Ele. 775 - Col. B-E/42-46	Unit 3 Main Feedwater Pump Area	all	4
TB	7	Ele. 775 - Col. E-F/43-44	Unit 3 Motor Driven EDFW Pump Area	all	1
TB	8	Ele. 775 - Col. F-G/43-44	Unit 3 Hotwell Pump & TB Sump Area	all	1
TB	9	Ele. 775 - Col. J-M/43-44	Unit 3 Powdex/LPSW Pump Area	all	2
TB	11	Ele. 775 - Col. E-F/40-41	Unit 2 EHC Area	all	1
TB	13	Ele. 775 - Col. B-D/32-38	Unit 2 Turbine Driven EFDW Pump Area	all	2
TB	15	Ele. 775 - Col. B-E/27-32	Unit 2 Main Feedwater Pump Area	all	4

TABLE 16.9.6-1
Fire Detection Instrumentation

Fire Area	Fire Zone	Location	Description	Details	Detectors Provided
TB			Turbine Building (cont'd)		
TB	17	Ele. 775 - Col. F-J/28-29	Unit 2 HW Pump, LPSW Pump - B Area	all	3
TB	18	Ele. 775 - Col. L-M/30-31	Unit 2 Powex, Backup IA Compressors	all	1
TB	19	Ele. 775 - Col. B-F/23-27	Unit 1 Main Feedwater Pump Area	all	5
TB	21	Ele. 775 - Col. F-J/27-28	Unit 1 HW Pump, LPSW Pump - A Area	all	2
TB	22	Ele. 775 - Col. L-M/22-23	Unit 1 Powdex Area	all	1
TB	24	Ele. 775 - Col. B-F/13-21	Unit 1 TDEFDW Pump, EHC	all	2
TB	27	Ele. 796 - Col. E-G/53-55	Unit 3 MT Oil Tank, MS & Control Valves	all	2
TB	28	Ele. 796 - Col. L-M/52-53	Unit 3 Heater Bay Area, MSRH A1 & A2	all	3
TB	29	Ele. 796 - Col. J-M/43-46	Unit 3 4160 Volt Switchgear	all	37
TB	31	Ele. 796 - Col. D-G/39-41	Unit 2 MT Oil Tank, MS & Control Valves	all	2
TB	32	Ele. 796 - Col. L-M/39-40	Unit 2 Heater Bay Area, MSRH A1 & A2, 3XS6, 3X10	all	3
TB	33	Ele. 796 - Col. J-L/28-32	Unit 2 6900/4160 Volt Switchgear	all	17
TB	34	Ele. 796 - Col. B-N/23-28 (not including FZ 34A)	Unit 1 6900/4160 Volt Switchgear	all	16
TB	35	Ele. 796 - Col. L-M/15-16	Unit 1 Heater Bay Area, MSRH A1 & A2	all	2
TB	36	Ele. 796 - Col. F-G/14-15	Unit 1 MT Oil Tank, MS & Control Valves	all	1
TB	38	Ele. 822 - Col. D-G/45-54	Unit 3 Main Turbine, Turbine Flr, Offices	all	6
TB	39	Ele. 822 - Col. J-N/43-56	Unit 3 Auxiliary Shutdown Panel	all	1
TB	39A	Ele. 822 - Col. L-M/45-47	Unit 3 Power Battery Room	all	2
TB	40	Ele. 822 - Col. D-G/28-40	Unit 2 Main Turbine, Turbine Flr, Offices	all	6
TB	42	Ele. 822 - Col. E-G/15-27	Unit 1 Main Turbine, Turbine Flr, Offices	all	6
TB	44	Ele. 796 - Col. C-F/12-14	Unit 1 MCC 1XA & 1XA-A	all	2
WP1			Unit 1 West Penetration Room		
WP1	97	Rm. 348	Unit 1 Cask Decon Tank Room	all	4
WP1	107	Rm. 409	Unit 1 West Penetration Room	all	5

TABLE 16.9.6-1
Fire Detection Instrumentation

Fire Area	Fire Zone	Location	Description	Details	Detectors Provided
WP2			Unit 2 West Penetration Room		
WP2	91	Rm. 349	Unit 2 Cask Decon Tank Room	all	4
WP2	102	Rm. 410	Unit 2 West Penetration Room	all	5
WP3			Unit 3 West Penetration Room		
WP3	87	Rm. 376	Unit 3 Cask Decon Tank Room	all	4
WP3	98	Rm. 455	Unit 3 West Penetration Room	all	7
YARD			Yard		
YARD	YARD-EAST	U3 RCP SWGR	Yard Area - East	U3 RCP SWGR	2

BASES

On June 16, 2004, the NRC revised its regulation Title 10 of the *Code of Federal Regulations (10 CFR), Part 50, Section 50.48* to include a new paragraph 50.48(c) that incorporates by reference National Fire Protection Association 805, "Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants 2001 Edition," hereafter referred to as NFPA 805. On December 29, 2010, the NRC issued Oconee's Safety Evaluation Report (SER) approving adoption of a performance-based (PB) fire protection program (FPP) as an alternative to the existing, deterministic fire protection regulations. Specifically, NFPA 805 allows the use of PB methods, such as fire modeling, and risk-informed (RI) methods, such as fire probabilistic risk assessment (PRA), to demonstrate compliance with the nuclear safety performance criteria. As a result of transitioning to the NFPA 805 Licensing Basis, certain Fire Protection Systems and Features are "required" to satisfy either the NFPA 805 Chapter 3 fundamental fire protection program safety goals or the NFPA 805 Chapter 4 performance based/risk informed safety goals. These "required" Fire Protection Systems and Features are being placed into SLCs since they comprise the safety basis of the new fire protection program. Allowed out of service times and action statements along with some surveillance requirements are being revised to be consistent with the new NFPA 805 licensing basis and safety goals. The documentation of these "required" fire protection systems and features is provided in the SER Attachments A and D.

The equipment contained in this SLC is considered part of the NFPA 805 Power Block. Power Block structures, systems, and components (SSCs) include all safety-related and balance-of-plant systems and components required for operation, including radioactive waste processing and storage, the 230 kV switchyard, and Keowee Dam and associated structures. Power Block SSCs are required for the safe and reliable operation of the plant. Calculation OSC-10650, Oconee NFPA 805 Power Block, defines the Power Block for Oconee.

DPC-1435.00-00-0002, Technical Basis for Roving Continuous Fire Watches, justifies the following allowances for continuous and hourly fire watches:

"...continuous fire watches consist of a roving patrol that can observe multiple locations during a tour, conducted at a moderate pace, in a 10 minute timeframe. Using a 10-minute time for the tour provide a 5 minutes margin in case of a distraction or need for the fire watch individual to attend to an interruption."

"The normal interval between inspections during an hourly fire watch is sixty (60) minutes. The maximum allowable interval between inspection due to unforeseen circumstances or delays is seventy-five (75) minutes. However, the combined time interval for any three (3) consecutive inspections shall not exceed one hundred eighty (180) minutes."

OPERABILITY of the NRC committed Fire Detection Instrumentation ensures that adequate warning capability is available for the prompt detection of fires in areas containing safety related and important to safety equipment at Oconee Facilities. Prompt detection of fires will reduce the potential for damage to safety related equipment and is an integral element in the overall facility fire protection program. The regulatory requirement is to have NFPA 805 required Fire Detection Instrumentation OPERABLE at all times.

In the event that a portion of the Fire Detection Instrumentation is inoperable, the establishment of compensatory actions in the affected areas is required to provide detection capability until the inoperable instrumentation is restored to operability.

This Selected Licensee Commitment is part of the Oconee Fire Protection Program and therefore subject to the provisions of Oconee Facility Operating License Conditions.

REFERENCES:

1. Oconee UFSAR, Chapter 9.5-1 and UFSAR, Chapter 18, Table 18-1 (Portions of this SLC are credited in the Fire Protection Program for License Renewal).
2. Oconee License Renewal Commitments, OSS-0274.00-00-0016.
3. Oconee Fire Protection Safety Evaluation dated December 29, 2010.
4. Oconee License Amendment Request dated April 14, 2010.
5. Oconee Fire Protection Design Basis Specification for Fire Protection Program, (currently contained in the Fire Protection DBD), as revised.
6. Oconee Plant Design Basis Specification for Fire Detection, as revised.
7. Drawing Series O-0310-K, Fire Protection Plans.
8. Drawing Series O-0310-L, Fire Protection Plans.
9. OSC-10650, Oconee NFPA 805 Power Block.
10. DPC-1435.00-00-0002, Technical Basis for Roving Continuous Fire Watches.
11. O-0756-J, Location Diagram Fire Detection System (FD) Standby Shutdown Facility Detector Locations.