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February 14, 2001

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Subject: Duke Energy Corporation
Catawba Nuclear Station
Docket Nos. 50-413 and 50-414
UFSAR/Selected Licensee Commitment Changes

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

Any questions regarding this information should be directed to A. P. Jackson, Regulatory Compliance, at (803) 831-3742.

I certify that I am a duly authorized officer of Duke Energy Corporation, and that the information contained herein accurately represents changes made to Chapter 16 of the UFSAR since the previous submittal.

Gary R. Peterson

Attachment

AC53

U.S. Nuclear Regulatory Commission
February 14, 2001
Page 2

xc:L. A. Reyes, Regional Administrator
U. S. Nuclear Regulatory Commission, Region II

C. P. Patel, Project Manager
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation, Mail Stop 0-8 H12

D. J. Roberts
Senior Resident Inspector
Catawba Nuclear Station



Duke Power
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February 14, 2001

RE: Catawba Nuclear Station
Selected Licensee Commitments Manual
Revision Date 02/07/01

Attached are revisions to the Catawba Nuclear Station Selected Licensee Commitments Manual.
Please remove and replace the following pages:

REMOVE

INSERT

LIST OF EFFECTIVE PAGES

Entire LOEP (8 pages)

LOEP (8 pages)

TAB 16.11

Chapter 16.11-5, page 2 of 3
dated 08/01/94

Chapter 16.11-5, page 2 of 3
dated 02/07/01

TAB 16.13

Chapter 16.13-2, page 1 of 4
dated 04/19/00

Chapter 16.13-2, page 1 of 4
dated 02/07/01

Chapter 16.13-2, page 3 of 4
dated 04/19/00

Chapter 16.13-2, page 3 of 4
dated 02/07/01

If you have any questions concerning the contents of this package update, contact Toni Pasour at (803) 831-3566.

Gary D. Gilbert
Regulatory Compliance Manager

**CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS MANUAL**

List of Effective Pages

Tab 16.0

16.0 Page 1 of 4	11/30/00
16.0 Page 2 of 4	11/30/00
16.0 Page 3 of 4	11/30/00
16.0 Page 4 of 4	11/30/00

Tab 16.1

16.1 Page 1 of 1	01/17/00
------------------	----------

Tab 16.2

16.2 Page 1 of 2	01/16/99
16.2 Page 2 of 2	01/16/99

Tab 16.3

16.3 Page 1 of 4	01/16/99
16.3 Page 2 of 4	01/16/99
16.3 Page 3 of 4	01/16/99
16.3 Page 4 of 4	01/16/99

Tab 16.4

Tab 16.5

16.5-1 Page 1 of 4	03/09/00
16.5-1 Page 2 of 4	03/09/00
16.5-1 Page 3 of 4	03/09/00
16.5-1 Page 4 of 4	03/09/00
16.5-2 Page 1 of 3	04/15/99
16.5-2 Page 2 of 3	04/15/99
16.5-2 Page 3 of 3	04/15/99
16.5-3 Page 1 of 4	01/16/99
16.5-3 Page 2 of 4	01/16/99
16.5-3 Page 3 of 4	01/16/99
16.5-3 Page 4 of 4	01/16/99
16.5-4 Page 1 of 1	01/16/99
16.5-5 Page 1 of 2	01/16/99
16.5-5 Page 2 of 2	01/16/99
16.5-6 Page 1 of 2	01/17/00
16.5-6 Page 2 of 2	01/17/00
16.5-7 Page 1 of 1	01/16/99

**CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS MANUAL**

List of Effective Pages

Tab 16.6

16.6-1 Page 1 of 1	01/16/99
16.6-2 Page 1 of 2	01/16/99
16.6-2 Page 2 of 2	01/16/99
16.6-3 Page 1 of 2	01/16/99
16.6-3 Page 2 of 2	01/16/99
16.6-4 Page 1 of 2	01/16/99
16.6-4 Page 2 of 2	01/16/99
16.6-5 Page 1 of 2	09/11/00
16.6-5 Page 2 of 2	09/11/00

Tab 16.7

16.7-1 Page 1 of 2	05/04/98
16.7-1 Page 2 of 2	05/04/98
16.7-2 Page 1 of 4	01/16/99
16.7-2 Page 2 of 4	01/16/99
16.7-2 Page 3 of 4	01/16/99
16.7-2 Page 4 of 4	01/16/99
16.7-3 Page 1 of 4	01/17/00
16.7-3 Page 2 of 4	01/17/00
16.7-3 Page 3 of 4	01/17/00
16.7-3 Page 4 of 4	01/17/00
16.7-4 Page 1 of 2	09/20/99
16.7-4 Page 2 of 2	09/20/99
16.7-5 Page 1 of 2	06/10/99
16.7-5 Page 2 of 2	05/04/98
16.7-6 Page 1 of 2	01/16/99
16.7-6 Page 2 of 2	01/16/99
16.7-7 Page 1 of 2	05/05/99
16.7-7 Page 2 of 2	01/16/99
16.7-8 Page 1 of 2	01/16/99
16.7-8 Page 2 of 2	05/05/99
16.7-9 Page 1 of 4	09/20/99
16.7-9 Page 2 of 4	09/20/99
16.7-9 Page 3 of 4	09/20/99
16.7-9 Page 4 of 4	09/20/99
16.7-10 Page 1 of 7	11/30/00
16.7-10 Page 2 of 7	11/30/00
16.7-10 Page 3 of 7	11/30/00
16.7-10 Page 4 of 7	11/30/00
16.7-10 Page 5 of 7	11/30/00
16.7-10 Page 6 of 7	11/30/00
16.7-10 Page 7 of 7	11/30/00
16.7-11 Page 1 of 1	01/16/99
16.7-12 Page 1 of 2	01/16/99
16.7-12 Page 2 of 2	01/16/99

**CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS MANUAL**

List of Effective Pages

Tab 16.8

16.8-1 Page 1 of 51	01/17/00
16.8-1 Page 2 of 51	01/17/00
16.8-1 Page 3 of 51	01/17/00
16.8-1 Page 4 of 51	01/17/00
16.8-1 Page 5 of 51	01/17/00
16.8-1 Page 6 of 51	01/17/00
16.8-1 Page 7 of 51	01/17/00
16.8-1 Page 8 of 51	01/17/00
16.8-1 Page 9 of 51	01/17/00
16.8-1 Page 10 of 51	01/17/00
16.8-1 Page 11 of 51	01/17/00
16.8-1 Page 12 of 51	01/17/00
16.8-1 Page 13 of 51	01/17/00
16.8-1 Page 14 of 51	01/17/00
16.8-1 Page 15 of 51	01/17/00
16.8-1 Page 16 of 51	01/17/00
16.8-1 Page 17 of 51	01/17/00
16.8-1 Page 18 of 51	01/17/00
16.8-1 Page 19 of 51	01/17/00
16.8-1 Page 20 of 51	01/17/00
16.8-1 Page 21 of 51	01/17/00
16.8-1 Page 22 of 51	01/17/00
16.8-1 Page 23 of 51	01/17/00
16.8-1 Page 24 of 51	11/30/00
16.8-1 Page 25 of 51	11/30/00
16.8-1 Page 26 of 51	01/17/00
16.8-1 Page 27 of 51	01/17/00
16.8-1 Page 28 of 51	01/17/00
16.8-1 Page 29 of 51	01/17/00
16.8-1 Page 30 of 51	01/17/00
16.8-1 Page 31 of 51	01/17/00
16.8-1 Page 32 of 51	01/17/00
16.8-1 Page 33 of 51	01/17/00
16.8-1 Page 34 of 51	01/17/00
16.8-1 Page 35 of 51	01/17/00
16.8-1 Page 36 of 51	01/17/00
16.8-1 Page 37 of 51	01/17/00
16.8-1 Page 38 of 51	01/17/00
16.8-1 Page 39 of 51	01/17/00
16.8-1 Page 40 of 51	01/17/00
16.8-1 Page 41 of 51	01/17/00
16.8-1 Page 42 of 51	01/17/00
16.8-1 Page 43 of 51	01/17/00

**CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS MANUAL**

List of Effective Pages

Tab 16.8 (continued)

16.8-1 Page 44 of 51	01/17/00
16.8-1 Page 45 of 51	01/17/00
16.8-1 Page 46 of 51	01/17/00
16.8-1 Page 47 of 51	01/17/00
16.8-1 Page 48 of 51	11/30/00
16.8-1 Page 49 of 51	11/30/00
16.8-1 Page 50 of 51	01/17/00
16.8-1 Page 51 of 51	01/17/00
16.8-2 Page 1 of 2	01/16/99
16.8-2 Page 2 of 2	01/16/99
16.8-3 Page 1 of 2	01/15/97
16.8-3 Page 2 of 2	01/15/97
16.8-4 Page 1 of 2	05/29/97
16.8-4 Page 2 of 2	05/29/97
16.8-5 Page 1 of 2	06/10/99
16.8-5 Page 2 of 2	06/10/99

Tab 16.9

16.9-1 Page 1 of 4	05/05/99
16.9-1 Page 2 of 4	01/17/00
16.9-1 Page 3 of 4	01/17/00
16.9-1 Page 4 of 4	01/17/00
16.9-2 Page 1 of 5	01/17/00
16.9-2 Page 2 of 5	01/17/00
16.9-2 Page 3 of 5	01/17/00
16.9-2 Page 4 of 5	01/16/99
16.9-2 Page 5 of 5	01/16/99
16.9-3 Page 1 of 4	05/05/99
16.9-3 Page 2 of 4	03/11/99
16.9-3 Page 3 of 4	05/05/99
16.9-3 Page 4 of 4	06/10/99
16.9-4 Page 1 of 5	01/16/99
16.9-4 Page 2 of 5	01/16/99
16.9-4 Page 3 of 5	01/16/99
16.9-4 Page 4 of 5	01/16/99
16.9-4 Page 5 of 5	01/16/99
16.9-5 Page 1 of 6	01/16/99
16.9-5 Page 2 of 6	01/16/99
16.9-5 Page 3 of 6	01/16/99
16.9-5 Page 4 of 6	06/10/99
16.9-5 Page 5 of 6	09/20/99
16.9-5 Page 6 of 6	01/16/99
16.9-6 Page 1 of 11	03/11/99

**CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS MANUAL**

List of Effective Pages

Tab 16.9 (continued)

16.9-6 Page 2 of 11	03/11/99
16.9-6 Page 3 of 11	07/26/99
16.9-6 Page 4 of 11	07/26/99
16.9-6 Page 5 of 11	03/11/99
16.9-6 Page 6 of 11	07/26/99
16.9-6 Page 7 of 11	11/30/00
16.9-6 Page 8 of 11	03/11/99
16.9-6 Page 9 of 11	03/11/99
16.9-6 Page 10 of 11	05/05/99
16.9-6 Page 11 of 11	03/11/99
16.9-7 Page 1 of 2	03/09/00
16.9-7 Page 2 of 2	03/09/00
16.9-8 Page 1 of 2	10/16/00
16.9-8 Page 2 of 2	10/16/00
16.9-9 Page 1 of 2	03/09/00
16.9-9 Page 2 of 2	03/09/00
16.9-10 Page 1 of 2	10/16/00
16.9-10 Page 2 of 2	10/16/00
16.9-11 Page 1 of 3	01/16/99
16.9-11 Page 2 of 3	01/16/99
16.9-11 Page 3 of 3	01/16/99
16.9-12 Page 1 of 3	01/16/99
16.9-12 Page 2 of 3	01/16/99
16.9-12 Page 3 of 3	05/05/99
16.9-13 Page 1 of 11	09/25/00
16.9-13 Page 2 of 11	04/22/99
16.9-13 Page 3 of 11	04/22/99
16.9-13 Page 4 of 11	04/22/99
16.9-13 Page 5 of 11	04/22/99
16.9-13 Page 6 of 11	09/25/00
16.9-13 Page 7 of 11	09/25/00
16.9-13 Page 8 of 11	09/25/00
16.9-13 Page 9 of 11	04/22/99
16.9-13 Page 10 of 11	04/22/99
16.9-13 Page 11 of 11	04/22/99
16.9-14 Page 1 of 2	01/16/99
16.9-14 Page 2 of 2	01/16/99
16.9-15 Page 1 of 1	01/16/99
16.9-16 Page 1 of 1	01/16/99
16.9-17 Page 1 of 1	01/16/99
16.9-18 Page 1 of 1	01/16/99
16.9-19 Page 1 of 2	01/16/99
16.9-19 Page 2 of 2	01/16/99
16.9-20 Page 1 of 1	01/16/99

**CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS MANUAL**

List of Effective Pages

Tab 16.9 (continued)

16.9-21 Page 1 of 1	01/16/99
16.9-22 Page 1 of 2	01/16/99
16.9-22 Page 2 of 2	01/16/99
16.9-23 Page 1 of 3	05/04/98
16.9-23 Page 2 of 3	05/04/98
16.9-23 Page 3 of 3	05/04/98
16.9-24 Page 1 of 2	11/30/00
16.9-24 Page 2 of 2	11/30/00

Tab 16.10

16.10-1 Page 1 of 2	01/16/99
16.10-1 Page 2 of 2	01/16/99
16.10-2 Page 1 of 2	01/15/97
16.10-2 Page 2 of 2	01/15/97

Tab 16.11

16.11-1 Page 1 of 7	01/16/99
16.11-1 Page 2 of 7	01/16/99
16.11-1 Page 3 of 7	01/16/99
16.11-1 Page 4 of 7	09/20/99
16.11-1 Page 5 of 7	09/20/99
16.11-1 Page 6 of 7	01/16/99
16.11-1 Page 7 of 7	01/16/99
16.11-2 Page 1 of 6	01/16/99
16.11-2 Page 2 of 6	01/16/99
16.11-2 Page 3 of 6	09/20/99
16.11-2 Page 4 of 6	09/20/99
16.11-2 Page 5 of 6	09/20/99
16.11-2 Page 6 of 6	09/20/99
16.11-3 Page 1 of 2	01/16/99
16.11-3 Page 2 of 2	01/16/99
16.11-4 Page 1 of 2	01/16/99
16.11-4 Page 2 of 2	01/16/99
16.11-5 Page 1 of 3	08/01/94
16.11-5 Page 2 of 3	02/07/01
16.11-5 Page 3 of 3	08/01/94
16.11-6 Page 1 of 7	01/16/99
16.11-6 Page 2 of 7	01/16/99
16.11-6 Page 3 of 7	01/16/99
16.11-6 Page 4 of 7	01/16/99
16.11-6 Page 5 of 7	01/16/99
16.11-6 Page 6 of 7	01/16/99
16.11-6 Page 7 of 7	01/16/99

**CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS MANUAL**

List of Effective Pages

Tab 16.11 (continued)

16.11-7 Page 1 of 10	07/22/00
16.11-7 Page 2 of 10	07/22/00
16.11-7 Page 3 of 10	07/22/00
16.11-7 Page 4 of 10	07/22/00
16.11-7 Page 5 of 10	07/22/00
16.11-7 Page 6 of 10	07/22/00
16.11-7 Page 7 of 10	07/22/00
16.11-7 Page 8 of 10	07/22/00
16.11-7 Page 9 of 10	07/22/00
16.11-7 Page 10 of 10	07/22/00
16.11-8 Page 1 of 2	01/16/99
16.11-8 Page 2 of 2	01/16/99
16.11-9 Page 1 of 2	01/16/99
16.11-9 Page 2 of 2	01/16/99
16.11-10 Page 1 of 2	01/16/99
16.11-10 Page 2 of 2	01/16/99
16.11-11 Page 1 of 2	01/16/99
16.11-11 Page 2 of 2	01/16/99
16.11-12 Page 1 of 2	01/16/99
16.11-12 Page 2 of 2	01/16/99
16.11-13 Page 1 of 14	01/16/99
16.11-13 Page 2 of 14	01/16/99
16.11-13 Page 3 of 14	01/16/99
16.11-13 Page 4 of 14	01/16/99
16.11-13 Page 5 of 14	01/16/99
16.11-13 Page 6 of 14	01/16/99
16.11-13 Page 7 of 14	01/16/99
16.11-13 Page 8 of 14	01/16/99
16.11-13 Page 9 of 14	01/16/99
16.11-13 Page 10 of 14	01/16/99
16.11-13 Page 11 of 14	01/16/99
16.11-13 Page 12 of 14	01/16/99
16.11-13 Page 13 of 14	01/16/99
16.11-13 Page 14 of 14	01/16/99
16.11-14 Page 1 of 2	01/16/99
16.11-14 Page 2 of 2	01/16/99
16.11-15 Page 1 of 1	01/16/99
16.11-16 Page 1 of 4	01/16/99
16.11-16 Page 2 of 4	03/11/99
16.11-16 Page 3 of 4	01/16/99
16.11-16 Page 4 of 4	01/16/99
16.11-17 Page 1 of 2	01/16/99
16.11-17 Page 2 of 2	01/16/99
16.11-18 Page 1 of 2	01/16/99

**CATAWBA NUCLEAR STATION
SELECTED LICENSEE COMMITMENTS MANUAL**

List of Effective Pages

Tab 16.11 (continued)

16.11-18 Page 2 of 2	01/16/99
16.11-19 Page 1 of 2	01/16/99
16.11-19 Page 2 of 2	01/16/99
16.11-20 Page 1 of 3	01/16/99
16.11-20 Page 2 of 3	01/16/99
16.11-20 Page 3 of 3	01/16/99
16.11-21 Page 1 of 2	01/16/99
16.11-21 Page 2 of 2	01/16/99

Tab 16.12

16.12-1 Page 1 of 2	01/16/99
16.12-1 Page 2 of 2	01/16/99

Tab 16.13

16.13-1 Page 1 of 2	05/05/99
16.13-1 Page 2 of 2	12/90
16.13-2 Page 1 of 4	02/07/01
16.13-2 Page 2 of 4	04/19/00
16.13-2 Page 3 of 4	02/07/01
16.13-2 Page 4 of 4	04/19/00
16.13-3 Page 1 of 2	01/16/99
16.13-3 Page 2 of 2	01/16/99
16.13-4 Page 1 of 6	11/30/00
16.13-4 Page 2 of 6	11/30/00
16.13-4 Page 3 of 6	11/30/00
16.13-4 Page 4 of 6	11/30/00
16.13-4 Page 5 of 6	11/30/00
16.13-4 Page 6 of 6	11/30/00

TESTING REQUIREMENTS (con't)

transferred to the chemical treatment ponds and shall be limited by the expression:

$$\sum_j \frac{c_j}{(C_j \times 10)} < 0.006$$

Where:

c_j = radioactive resin/water slurry concentration for radionuclide "j" entering the UNRESTRICTED AREA chemical treatment ponds, in microCuries/milliliter; and

C_j = 10 CFR 20, Appendix B, Table 2, Column 2, concentration for single radionuclide "j", in microCuries/milliliter.

REFERENCES:

1. Catawba Offsite Dose Calculation Manual
2. 10 CFR Part 20, Appendix B
3. 10 CFR Part 50, Appendix I

BASES:

The inventory limits of the chemical treatment ponds (CTP) are based on limiting the consequences of an uncontrolled release of the pond inventory. The expression in this commitment assumes the pond inventory is uniformly mixed, that the pond is located in an uncontrolled area as defined in 10 CFR Part 20, and that the concentration limit in Note 1 to Appendix B of 10 CFR Part 20 applies.

The batch limits of resin/water slurry transferred to the CTP assure that radioactive material transferred to the CTP are "as low as reasonably achievable" in accordance with 10 CFR 50.36a. The expression in SLC 16.11-5 assures no batch will be transferred to the CTP unless the sum of the ratios of the activity of the radionuclides to their respective concentration limitation is less than the ratio of the 10 CFR Part 50, Appendix I, Section II.A, total body dose level to the instantaneous whole body dose rate limitation, or that:

$$\sum_j \frac{c_j}{(C_j \times 10)} < \frac{3 \text{ mrem/yr}}{500 \text{ mrem/yr}} = 0.006$$

16.13 **CONDUCT OF OPERATIONS**

16.13-2 **TECHNICAL REVIEW AND CONTROL**

COMMITMENT:

A Technical Review and Control Program covering the preparation, review, and approval of documents important to station operation shall be established and maintained for the site.

APPLICABILITY:

This commitment is applicable at all times and applies to the review and control activities described in items a through j as listed below. Personnel performing the preparation, review, and approval activities covered by this commitment shall meet or exceed the qualifications of ANSI N18.1-1971 (the conformance status for this standard is as listed in Table 17-1 of the Duke Power Topical Report, Quality Assurance Program, Duke-I-A).

- a. The preparation, review, and approval of station procedures shall be done in accordance with the Duke Power Topical Report, Quality Assurance Program. Personnel responsible for performing procedure reviews shall have a minimum of five years of technical experience, of which a minimum of one year shall be nuclear experience. Academic or related technical training may fulfill a maximum of four years of this experience. Individuals responsible for procedure reviews shall have been previously designated by the site Vice President to perform such reviews. These individuals typically include exempt personnel and Reactor/Control Operators. Also, they shall have successfully completed the site Qualified Reviewer Program. Review of environmental radiological analysis procedures, shall be performed by the General Manager, Environmental Services or a designee. Each such review shall include a determination of whether or not additional, cross-disciplinary review shall be performed by the appropriately designated site review personnel.
- b. Proposed modifications shall be designed and the design reviewed in accordance with the Duke Power Topical Report, Quality Assurance Program. The proposed modification design, the design review, and design approval shall be in accordance with ANSI N45.2.11 as described in Table

APPLICABILITY: (cont'd)

corrective action to prevent recurrence to the Site Vice President, and to the Plant Operations Review Committee (PORC).

- h. The Manager, Safety Assurance shall assure the performance of a review by a knowledgeable individual/organization of changes to the Process Control Program, Offsite Dose Calculation Manual (ODCM), and Radwaste Treatment Systems.
- i. The Manager, Safety Assurance shall ensure reviews/revisions of the Fire Protection program and implementing procedures are performed by a knowledgeable individual/organization.
- j. Reports documenting each of the activities performed under this commitment shall be maintained. Copies shall be provided to the NSRB.

REMEDIAL ACTIONS:

Not Applicable

BASIS:

- a. The requirements contained in this Selected Licensee Commitment were relocated from the Catawba Technical Specifications with the approval of the U. S. Nuclear Regulatory Commission. Changes to this SLC shall be considered a change in an NRC commitment and shall be made only in accordance with the approved Nuclear System Directive for the Control of Selected Licensee Commitments and by use of the 10 CFR 50.59 evaluation process.
- b. This SLC implements the review requirements of ANSI N18.7-1976/ANS-3.2 and ANSI N45.2.11-1974 as referenced in the Duke Power Company Topical Report, Quality Assurance Program, Duke-1 -A.

TESTING REQUIREMENTS:

Not Applicable

REFERENCES:

- 1. ANSI N18.1-1971, Selection and Training of Nuclear Power Plant Personnel
- 2. ANSI N18.7-1976/ANS-3.2, Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants.