

DIRECTIVES CONTROL FORM - ORO O FINAL DIRECTIVE

PART A (To be completed by the Division of Primary Interest (DPI))

1. **NUMBER AND TITLE OF DIRECTIVE:** **ORO O 430, Chapter III, Chg. 1, NUCLEAR REACTOR SAFETY DESIGN CRITERIA**

2. **PURPOSE OF TRANSMITTAL:** New Directive Revised Directive Page Change

3. **CONTRACTOR REQUIREMENTS:** Does directive contain requirements applicable to contractor(s)?
Check appropriate boxes:

 No (all contractors)

 Yes If yes, whom? LMES LMER ORAU Bechtel Jacobs Company

 Other contractors (list by type)
 Any which will be involved with Reactor Design and/or Construction

Many ORO contractors have approved S/RIDs or WSS sets that may affect applicability of contractor requirements from this directive. Applicability of contractor requirements must take into account the approved standards set for each particular contract.

4. **SUMMARY OF SIGNIFICANT PROVISIONS OR CHANGES:** Revises paragraph 4 to modify the language to acknowledge that the subject matter of this Chapter (not any specific requirements from this Chapter) may be covered under one or more WSS sets or S/RIDs.

5. **CONTACT POINT:**

Ed Kendall	Nuclear Safety Division, SE-33	576-8647
Name	Organization	Telephone

PART B (To be completed by the Directives Management Group (DMG)):

6. **FILING INSTRUCTIONS:**

<u>Remove</u>	<u>Dated</u>	<u>Insert</u>	<u>Dated</u>
ORO O 430, Chapter III, Page III-1	06-14-96	ORO O Control Form ORO O 430, Chapter III, Chg. 1 Page III-1	03-31-98 03-31-98

ORO Orders are available on the ORO Directives Management Home Page
[http://www.ornl.gov/doe_oro_dmg/orchklst.htm] **within 5-10 working days after receipt of this Control Form. The ORO Orders will no longer be mailed in printed copy unless you do not have Internet capabilities.**

7. **APPROVED FOR DISTRIBUTION IN ACCORDANCE WITH THE OFFICIAL DIRECTIVES DISTRIBUTION LIST:**

Original signed by Jennifer H. Cusick

03/31/1998

Signature Management Analyst, AD-440

Date

U.S. Department of Energy

Oak Ridge Operations

ORO O 430 Chapter III Chg. 1

DATE: 03-31-98

SUBJECT: NUCLEAR REACTOR SAFETY DESIGN CRITERIA

1. PURPOSE. This Chapter correlates to DOE 5480.30, NUCLEAR REACTOR SAFETY DESIGN CRITERIA, dated January 19, 1993, by assigning responsibility and accountability and providing administrative and/or contractual guidance to Oak Ridge Operations (ORO) and its contractors. Nothing in this issuance changes any requirements contained in any DOE Order.
2. CANCELLATION. This Chapter cancels and replaces ORIG 5480.30, NUCLEAR REACTOR SAFETY DESIGN CRITERIA, dated July 27, 1994.
3. APPLICABILITY. The provisions of this Chapter apply to ORO Principal Staff and contractors to the extent provided by contract and as implemented by the contracting officer.
4. RESPONSIBILITIES. Many ORO contractors have developed Standards/Requirements Identification Documents (S/RIDs) or Work Smart Standards (WSS) sets that may not include requirements referenced or included in DOE 5480.30 or this Chapter. Interpretation and performance of Federal responsibilities outlined below must take into account the approved standards set for each particular contract and must not be deemed to add any requirements to the approved set.
 - a. Operations Team.
 - (1) Performs those tasks identified in DOE 5480.30, subparagraphs 7d(1)-(3).
 - (2) Advises the ORO Manager; Director, Nuclear Safety Division (NSD); and appropriate DOE Headquarters organizations of safety issues, deficiencies, needs, and actions taken (see DOE 5480.30, subparagraph 7d(4)).
 - b. Director, Nuclear Safety Division.
 - (1) When requested by the Operations Team, conducts reviews of nuclear reactor safety analyses and design basis documents, and otherwise assists in oversight of contractor operations (see DOE 5480.30, subparagraph 7d(2)).
 - (2) Conducts independent appraisals to ensure that the nuclear design criteria, as described in DOE 5480.30, paragraph 8, are appropriately incorporated by the contractor into existing and proposed directives, plans, or procedures.
 - c. Principal Staff, under whose supervision procurement requests are initiated, perform those tasks identified in DOE 5480.30, subparagraph 7d(5).
5. REQUIREMENTS AND PROCEDURES. None.

6. REFERENCES. ORIG 5480.23A, NUCLEAR SAFETY ANALYSIS REPORTS, dated February 28, 1994.
7. DEFINITIONS. None.
8. CONTRACTOR REQUIREMENTS DOCUMENT. See Contractor Requirements Document, Attachment 1 of this Chapter.
9. ATTACHMENTS.

Attachment 1 - Contractor Requirements Document.

CONTRACTOR REQUIREMENTS DOCUMENT

Contractors that are identified in paragraph 3 of this Chapter shall accomplish the following:

1. Develop and implement nuclear reactor design criteria that conform to the requirements of DOE O 431.1, paragraph 8 and Attachment 3.
2. For new nuclear reactor facilities, ensure that all safety class structures, systems, and components are designed, fabricated, erected, and tested in accordance with the provisions of DOE O 431.1.
3. For existing reactor facilities, ensure that the safety bases in the upgraded Safety Analysis Report demonstrate that the appropriate requirements of DOE O 431.1 are compared and evaluated against the original/current safety design bases (see DOE O 431.1, paragraph 9b).