

U.S. Department of Energy

Oak Ridge Operations

ORO O 430 Chapter III

DATE: 6-14-96

SUBJECT: NUCLEAR REACTOR SAFETY DESIGN CRITERIA

1. PURPOSE. This Chapter correlates to DOE O 431.1, (formerly 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.
 - a. Director, Reactor Operations Division (ROD).
 - (1) Performs those tasks identified in DOE O 431.1, subparagraphs 7d(1)-(3).
 - (2) Advises the ORO Manager; Director, Safety and Health Division (SHD); and appropriate DOE Headquarters organizations of safety issues, deficiencies, needs, and actions taken (see DOE O 431.1, subparagraph 7d(4)).
 - b. Director, Safety and Health Division.
 - (1) When requested by ROD, conducts reviews of nuclear reactor safety analyses and design basis documents, and otherwise assists in oversight of contractor operations (see DOE O 431.1, subparagraph 7d(2)).
 - (2) Conducts independent appraisals to ensure that the nuclear design criteria, as described in DOE O 431.1, 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 O 431.1, 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).