

December 17, 1987

Project No. 675

Mr. A. E. Scherer, Director
Nuclear Licensing
Combustion Engineering
100 Prospect Hill Road
Post Office Box 500
Windsor, Connecticut 06095-0500

Dear Mr. Scherer:

SUBJECT: COMMENTS AND REQUEST FOR ADDITIONAL INFORMATION CONCERNING CHAPTER 1,
SAFEGUARDS, CESSAR-DC

Our Reactor Safeguards Branch has reviewed Chapter 1, Amendment 12 of System 80+ CESSAR-DC, transmitted by your letter dated September 18, 1987, and has provided comments and identified the need for additional information in order to continue the review. The enclosed Request For Additional Information provides the comments and describes the needed information. Our schedule calls for the information to be received within 90 days from the date of this letter.

Sincerely,

original signed by
Guy S. Vissing, Project Manager
Standardization and Non-Power
Reactor Project Directorate
Division of Reactor Projects III, IV,
V and Special Projects
Office of Nuclear Reactor Regulation

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Enclosure:
As stated

cc: See Next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Sincerely,

A handwritten signature in cursive script, appearing to read "Guy S. Vissing".

Guy S. Vissing, Project Manager
Standardization and Non-Power
Reactor Project Directorate
Division of Reactor Projects III, IV,
V and Special Projects
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: See Next page

Combustion Engineering, Inc.
Advanced CESSAR

Project No. 675

cc: Mr. A. E. Scherer, Director
Nuclear Licensing
Combustion Engineering, Inc.
1000 Prospect Hill Road
Windsor, Connecticut 06095

Mr. C. B. Brinkman, Manager
Washington Nuclear Operations
Combustion Engineering, Inc.
7910 Woodmont Avenue, Suite 1310
Bethesda, Maryland 20814

REQUEST FOR ADDITIONAL INFORMATION
CONCERNING
REACTOR SAFEGUARDS BRANCH REVIEW
OF CHAPTER 1, AMENDMENT NO. 12
OF
COMBUSTION ENGINEERING SYSTEM 80+ DESIGN, CESSAR-DC
PROJECT NO. 675

- 500.1 There is no indication in this chapter of wherein the Severe Accident Policy and the unresolved generic issues will be addressed.
- 500.2 Section 1.2-2. indicates that the descriptions of the Nuclear Power Module (NPM) and the Interfaces are sufficient for evaluation of the essentially complete plant. Neither Table 1.2-1, the CESSAR scope for NPM, nor Table 1.2-2, the matrix of Interface sections, includes the security system. Yet:
- (a) Section 13.6 of NUREG-0800 includes review of the layout of the plant and other design features and equipment arrangements intended to provide protection of vital equipment against acts of radiological sabotage.
 - (b) The physical barrier guidance in Regulatory Guide 5.65 should be considered during design of structures that contain equipment designated as vital equipment.
 - (c) A protected source of power for security lighting and access control systems should be considered during design of on-site electric power systems. (See NUREG/CR-1327, Security Lighting Planning Document for Nuclear Fixed Site Facilities.)
- 500.3 Table 1.8-8, the list of applicable Regulatory Guides addressed in the System 80+ design, does not include RG 5.65.