



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

Mr. A. E. Kintigh, Vice President - Generation
New York State Electric & Gas Corporation
Binghamton, New York 13902

Dear Mr. Kintigh:

SUBJECT: PROCEDURE FOR CONDUCTING SAFETY REVIEW OF NEW HAVEN 1 & 2
CONSTRUCTION PERMIT APPLICATION

The purpose of this letter is to inform you of our procedure for conducting the safety review of your New Haven 1 & 2 CP application.

In general, the staff's safety review of any CP application, whether it be custom or standard, can be broken down into four areas. These are the site, nuclear steam supply system (NSSS), balance of plant (BOP), and utility-related matters. Staff approvals of each of these areas are normally required prior to the issuance of a CP. The first three of these areas are such that staff level approvals may be obtained outside of the context of a CP application.

In the case of New Haven 1 & 2, you elected to reference the CESSAR NSSS and SWESSAR/CESSAR BOP reference system designs which have received Preliminary Design Approvals (PDA's). You also identified certain exceptions to these staff-approved designs, thereby creating a fifth review area. The necessity for and time required to conduct a review of such exceptions will seriously detract from the advantages of standardization. Thus, we should note at this point that we strongly discourage exceptions to approved standard designs during their approval period. Further in this regard, we would appreciate a serious reconsideration on your part of your perceived need for these exceptions in the New Haven design, and to advise us of the results of this reconsideration at the earliest possible time.

In conducting our review of utility CP applications, we use that regulatory guidance in effect as of the regulatory requirements cutoff date (RRCOD) for the review. Typically, the RRCOD corresponds to the date that we issue our round two requests for additional information and positions. However, in the event that a utility CP application references one or more standard designs, the RRCOD's established during the review of those standard designs are used. For New Haven 1 & 2, the RRCOD's for the review of the NSSS and BOP are August 19, 1974 and April 25, 1975, which are the respective RRCOD's established for the review of the CESSAR and SWESSAR/CESSAR PDA applications. For the other review areas, the RRCOD will be established during the review of the New Haven 1 & 2 CP application.

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The purpose of establishing the RRCOD at the construction permit stage is to allow applicants to finalize their preliminary designs in conjunction with the completion of the staff's review. It does not preclude the staff from imposing additional requirements on the designs if they are considered to be significant to safety. However, we plan to review the implementation of regulatory requirements established after the RRCOD at the final design stage unless we determine that any are of such a nature that they must be addressed immediately in order to assure that alternatives are not foreclosed. Similarly, for reference system designs such as CESSAR and SWESSAR/CESSAR, the staff review of any matters issued after the RRCOD's for those applications would also take place at the final design stage. However, we will require a commitment from NYSEG to the effect that the FSAR for New Haven 1 & 2 will address regulatory requirements issued subsequent to the CESSAR and SWESSAR/CESSAR PDA RRCOD's in accordance with our standard practice of considering Category II, III, and IV matters, and, if any instances are detected where conformance to such regulatory positions may be precluded, you will inform the staff immediately.

The new matters approved for consideration for all plants and plant designs are the Regulatory Requirements Review Committee (RRRC) Category I, II and III matters, and the Office of Nuclear Reactor Regulation (NRR) Category IV matters. Those matters issued in the intervals between the RRCOD's for the CESSAR and SWESSAR/CESSAR designs and August 1978 are identified in letters from R. Boyd to P. McGill of Combustion Engineering, dated October 19, 1978 and from R. Boyd to W. Kennedy of Stone & Webster Engineering Corporation dated January 24, 1979. You will be advised periodically of any additional matters that are placed in these categories.

We have provided in the enclosure to this letter a table that summarizes the situation described herein for the review of RRRC Category I, II, and III matters and NRR Category IV matters for each review area as it is to be applied to the New Haven 1 & 2 CP application.

If you require any clarification of the matters discussed in this letter please contact the staff's assigned licensing project manager.

Sincerely,

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Enclosure:
Summary of Staff Procedure for Review
of RRRC Category I, II & III and NRR
Category IV Matters for New Haven 1 & 2
Application

SUMMARY OF STAFF PROCEDURE FOR REVIEW OF

RRRC CATEGORY I, II, and III and NRR CATEGORY IV MATTERS

ON NEW HAVEN 1 & 2 APPLICATION

Review Area	Applicable Matters	Where Resolved	When Resolved	Status
Site	Category I, II, III and IV Matters Approved Prior to New Haven 1&2 RRCOD	New Haven 1 & 2 CP Application	Prior to CP	Incomplete
NSSS	Category I, II, III and IV Matters Approved Prior to CESSAR PDA RRCOD (8/19/74)	CESSAR PDA Application	Prior to PDA	Complete
	Category II, III, and IV Matters Approved After CESSAR PDA RRCOD and Prior to New Haven 1&2 RRCOD	CESSAR FDA Application or New Haven 1&2 OL Application; NYSE&G's Option	Prior to CESSAR FDA or New Haven 1&2 OL as appropriate	Incomplete
	Category I Matters Approved after CESSAR PDA RRCOD and Prior to New Haven 1 & 2 RRCOD	Not Required	Not Applicable	Complete
ROP	Category I, II, III and IV Matters Approved Prior to SWESSAR/CESSAR PDA RRCOD (4/25/75)	SWESSAR/CESSAR PDA Application	Prior to PDA	Complete
	Category II, III, and IV Matters Approved After SWESSAR/CESSAR PDA RRCOD and Prior to New Haven 1&2 RRCOD	SWESSAR/CESSAR FDA Application or New Haven 1&2 OL Application; NYSE&G's Option	Prior to SWESSAR/CESSAR FDA or New Haven 1&2 OL as Appropriate	Incomplete
	Category I Matters Approved after SWESSAR/CESSAR PDA RRCOD and Prior to New Haven 1&2 RRCOD	Not Required	Not Applicable	Complete
Utility	Category I, II, III, and IV Matters Approved Prior to New Haven 1 & 2 RRCOD	New Haven 1 & 2 CP Application	Prior to CP	Incomplete
Exceptions to Approved Areas	Category I, II, III, and IV Matters Approved Prior to New Haven 1 & 2 RRCOD	New Haven 1&2 CP Application	Prior to CP	Incomplete



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

P. L. McGill, Vice President
Combustion Engineering, Incorporated
1000 Prospect Hill Road
Windsor, Connecticut 06095

Dear Mr. McGill:

SUBJECT: STAFF SAFETY REVIEW OF NEW HAVEN 1&2 CONSTRUCTION
PERMIT APPLICATION

The purpose of this letter is to inform you of the staff procedures for conducting the safety review of the New Haven 1&2 construction permit (CP) application. These procedures are documented in a letter from H. Denton to dated . As you know, the New Haven 1&2 CP application references the CESSAR System 80 nuclear steam supply system (NSSS) for which the staff issued PDA-2 in December 1975. Therefore, our procedures for conducting the review of the New Haven 1&2 CP application potentially may impact your CESSAR NSSS design.

Since the New Haven 1&2 CP application was docketed prior to the expiration of PDA-2 in December 1978, we plan no review of the CESSAR NSSS on the New Haven 1&2 CP application. However, in instances where the applicant, New York State Electric & Gas Corporation (NYSEG), has taken exception to CESSAR, we plan to review the proposed revised design on the New Haven 1&2 CP application and require resolution prior to issuance of the CP. In our review of such exceptions we will establish a regulatory requirements cutoff date (RRCOD) for that review. We anticipate that the RRCOD will be the date we transmit the second round of requests for additional information and positions on the New Haven 1&2 CP application.

Another matter that is relevant to CESSAR is the Regulatory Requirements Review Committee (RRRC) Category I, II, and III matters and the Office of Nuclear Reactor Regulation (NRR) Category IV matters applicable to the CESSAR design that were approved subsequent to the RRCOD for the CESSAR PDA review. We have informed NYSEG that resolution of the RRRC Category I matters applicable to the CESSAR design need not be resolved on the New Haven 1&2 CP application. With respect to the

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RRRC Category II and III and NRR Category IV matters, we have informed NYSEG that we plan to defer our review of such matters until the final design stage, except for any matter that must be addressed immediately in order to assure that alternatives are not foreclosed. For matters within the CESSAR design scope, our review for New Haven 1&2 would be conducted in the context of the recently filed CESSAR FDA-1 application or the New Haven 1&2 OL application, at NYSEG's option. In this regard, we have informed NYSEG that we will require a commitment to the effect that the final design of New Haven 1&2 will address regulatory requirements issued subsequent to the CESSAR PDA RRCOD and, if any instances are detected where conformance to such regulatory requirements may be precluded, NYSEG will inform the staff immediately.

If you require any clarification of the matters discussed in this letter please contact the staff's assigned licensing project manager.

Sincerely,

Harold R. Denton, Director
Office of Nuclear Reactor Regulation



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

W. J. L. Kennedy, Vice President
Stone & Webster Engineering Corporation
P. O. Box 2325
Boston, Massachusetts 02107

Dear Mr. Kennedy:

SUBJECT: STAFF SAFETY REVIEW OF NEW HAVEN 1&2 CONSTRUCTION PERMIT
APPLICATION

The purpose of this letter is to inform you of the staff procedures for conducting the safety review of the New Haven 1&2 construction permit (CP) application. These procedures are documented in a letter from H. Denton to dated

As you know, the New Haven 1&2 CP application references the SWESSAR/CESSAR balance of plant (BOP), for which the staff issued PDA-6 in August 1976. Therefore, our procedures for conducting the review of the New Haven 1&2 CP application potentially may impact your SWESSAR/CESSAR BOP design.

Since the New Haven 1&2 CP application was docketed prior to the expiration of PDA-6 in August 1979, we plan no review of the SWESSAR/CESSAR BOP on the New Haven 1&2 CP application. However, in instances where the applicant, New York State Electric & Gas Corporation (NYSEG), has taken exception to SWESSAR/CESSAR, we plan to review the proposed revised design on the New Haven 1&2 CP application and require resolution prior to issuance of the CP.

In our review of such exceptions, we will establish a regulatory requirements cutoff date (RRCOD) for that review. We anticipate that the RRCOD will be the date we transmit the second round of requests for additional information and positions on the New Haven 1&2 CP application.

Another matter that is relevant to SWESSAR/CESSAR is the Regulatory Requirements Review Committee (RRRC) Category I, II, and III matters and the Office of Nuclear Reactor Regulation (NRR) Category IV matters applicable to the SWESSAR/CESSAR design that were approved subsequent to the RRCOD for the SWESSAR/CESSAR PDA review. We have informed NYSEG that resolution of the RRRC Category I matters applicable to the SWESSAR/CESSAR BOP design need not be resolved on the New Haven 1&2 CP application. With respect to the RRRC Category II and III and NRR Category IV matters, we have informed NYSEG that we plan to defer our review of such matters until the final design stage except for any matter that must be addressed immediately in order to assure

that alternatives are not foreclosed. For matters within the SWESSAR/CESSAR design scope, our review for New Haven 1&2 would be conducted in the context of a SWESSAR/CESSAR FDA-1 application, if filed, or the New Haven 1&2 OL application, at NYSEG's option. In this regard, we have informed NYSEG that we will require a commitment to the effect that the final design of New Haven 1&2 will address regulatory requirements issued subsequent to the SWESSAR/CESSAR PDA RRCOD, and, if any instances are detected where conformance to such regulatory requirements may be precluded, NYSEG will inform the staff immediately.

If you require any clarification of the matters discussed in this letter please contact the staff's assigned licensing project manager.

Sincerely,

Harold R. Denton, Director
Office of Nuclear Reactor Regulation