

DEC 4 1975

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Docket No. 50-391-  
50-392

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Docket Files (50-391/392)  
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S9.9-2  
I. Haycraft (TR:46)

Mr. C. Eicheldinger, Manager  
Nuclear Safety Department  
Westinghouse Electric Corporation  
Box 355  
Pittsburgh, Pennsylvania 15230

Dear Mr. Eicheldinger:

This is in response to your request for approval to apply ASME Code Case 1637 to containment spray heat exchanger tubing for Watts Bar Units 1 and 2. This code case permits the use of the rules for manufacture and supply of materials specified in NB-2600, ASME Section III (existing prior to the winter 1973 Addenda) until January 1, 1975.

Information contained within your letters of June 23, 1975 and September 9, 1975, states that the purchase order award dates for the tubing and the heat exchangers were October 15, 1974 and November 12, 1974, respectively. You further state that the tubing supplier, Wallingford Tube Division of Allegheny Ludlum, had been audited by Westinghouse to NB-2600, ASME Section III and was found to conform to those requirements.

Authorization is granted for application of ASME Code Case 1637 to tubing purchased prior to January 1, 1975, for containment spray heat exchangers for Watts Bar Units 1 and 2.

Sincerely,

Original signed by  
Robert E. Heineman

Robert E. Heineman, Director  
Division of Technical Review  
Office of Nuclear Reactor Regulation

A-CTP

R

CRESS:Phillips MCII-282-458	TR:MTEB HFConrad 11/25/75	TR:MTEB SSPawlicki 11/26/75	TR:AD RRMaccary 11/28/75	SD:ES GA.Arlotto 11/27/75	IE:RID BGrier 12/2/75	NRR:TR REHeineman 11/4/75
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URGENT

Westinghouse Electric Corporation Power Systems

Box 355  
Pittsburgh Pennsylvania 15230

June 23, 1975

NS-CE-684

Mr. F. Schroeder  
Director of Technical Review  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
7920 Norfolk Avenue  
Bethesda, Maryland 20014

Dear Mr. Schroeder:

In accordance with NRC Regulatory Guide 1.85 requirements, this letter requests NRC approval for the use of ASME Code Case 1637. This code case permitted the use of the rules for the manufacture and supply of materials specified in NB-2600, ASME Section III (existing prior to Winter 1973 Addenda), until January 1, 1975. The specific application is tubing purchased prior to January 1, 1975, for ASME Section III Class 2 and 3 heat exchangers for a number of nuclear plants.

The NRC cutoff date for code case review for inclusion in the original issue of Regulatory Guide 1.85 was November 5, 1973. Subsequent to this cutoff date, Code Case 1637 was approved by the ASME Council on April 29, 1974. Procurement activity for the tubing was initiated during the summer of 1974. The use of Code Case 1637 at that time was approved by the ASME Council; however, there was not yet an indication of whether or not the code case would be endorsed by the NRC.

A portion of this tubing material has been utilized in the manufacture of heat exchangers, and the remaining material is on the critical path for the manufacture of heat exchangers which effects overall plant construction schedules. There had not been sufficient time for the tubing supplier to devise and implement a Quality Assurance Program to meet the requirements of NA-3700, ASME Section III, Winter 1973 Addenda. However, the tubing supplier had been audited by Westinghouse to NB-2600, ASME Section III, existing prior to the Winter 1973 Addenda, and was found to conform to all those requirements. The tubing supplier, Wallingford Tube Division of Allegheny Ludlum, is a reputable manufacturer who has supplied quality tubing for nuclear applications in the past. It should be pointed out that

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June 23, 1975

Wallingford Tube Division is on the approved supplier lists of those heat exchanger manufacturers from which Westinghouse usually procures heat exchangers. The tubing supplier has indicated that for future orders its Quality Assurance Program will be in compliance with the revised version of NA-3700, as given in Code Case 1682.

In view of the procurement date of the heat exchanger tubing in relation to the sequence of events related to Code Case 1637, and considering that the tubing is a quality product procured in conformance with quality standards effective at that time, we request your consideration of this matter and approval of the use of Code Case 1637 in this specific application.

Sincerely yours,

*C. Eicheldinger*

C. Eicheldinger, Manager  
Nuclear Safety Department

CLG/dk

BCC: H. H. Andrews  
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D. C. Marburger  
G. B. Mooney  
J. D. Nastasy  
W. R. Sugnet

To: *Herbert F. Conrad*  
**URGENT**

Westinghouse  
Electric Corporation

Power Systems  
Company

PWR Systems Division

Box 355  
Pittsburgh, Pennsylvania 15220

September 9, 1975  
NS-CE-779

Mr. R. B. Minogue, Director  
Office of Standards Development  
U. S. Nuclear Regulatory Commission  
7920 Norfolk Avenue  
Bethesda, Maryland 20014

Dear Mr. Minogue:

In order for the NRC Staff to complete its evaluation of the Westinghouse request for approval of the use of ASME Code Case 1637 in reference to heat exchanger tubing, you requested additional information, per your letter of July 30, 1975. The following information gives case-by-case details of the use of Code Case 1637.

The purchase order award date for the tubing was October 15, 1974. The purchase order award date for the heat exchangers utilizing this tubing was November 12, 1974.

The following list indicates the specific heat exchangers and the specific plants:

Byron/Braidwood Units 1 and 2  
(Commonwealth Edison Company)

Residual  
Letdown  
Seal Water  
Spent Fuel Pit

Seabrook Units 1 and 2  
(Public Service Co. of New Hampshire)  
(United Illuminating Company)

Residual  
Letdown  
Seal Water

Catawaba Units 1 and 2  
(Duke Power Company)

Residual  
Letdown

Jamesport Units 1 and 2  
(Long Island Lighting Company)

Letdown  
Seal Water

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Mr. R. B. Minogue, Director

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Millstone Unit 3 <sup>CP 8/74</sup>  
(Northeast Nuclear Energy Company) ✓

Letdown  
Seal Water  
Letdown Chiller  
Letdown Reheat  
Moderating

Watts Bar Unit 1 and 2 <sup>6/74</sup>  
(Tennessee Valley Authority)

Containment Spray

Comanche Peak Units 1 and 2 <sup>7/73</sup>  
(Texas Utilities Service Company)

Letdown

The following tabulation identifies the ANS Safety Class of the tube side of the heat exchangers and the systems in which the heat exchangers will be used:

<u>Heat Exchanger</u>	<u>ANS Safety Class</u> (Tube Side)	<u>System</u>
Residual	2	RHR
Letdown	2	CVCS
Seal Water	2	CVCS
Spent Fuel Pit	3	Spent Fuel Pit
Letdown Chiller	3	CVCS/BTR Sybsystem
Letdown Reheat	2	CVCS/BTR Subsystem
Moderating	3	CVCS/BTR Subsystem
Containment Spray	2	Containment Spray

We believe that this letter provides the additional information you requested, and we request approval of the use of Code Case 1637 in these specific applications.

Sincerely yours,

*C. Eicheldinger*  
C. Eicheldinger, Manager  
Nuclear Safety Department

/s/CLGottshall

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