

October 29, 1984

DR 016

Docket No. 50-289

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~~M. Wagner~~ OELD

Ms. Paula Kinney
12 Ray Road
Middletown, Pennsylvania 17057

Dear Ms. Kinney:

This is in response to your letter of September 10, 1984 to Mary Wagner raising additional questions regarding the steam generators at TMI-1. Your questions and our reply are enclosed.

I trust this letter is responsive to your questions.

Sincerely,

John F. Stolz, Chief
Operating Reactors Branch No. 4
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
E. Murphy
C. McCracken
G. Holahan

**See previous white for concurrence

ORB#4:DL**
HSilver;ef
10/12/84

JFS
ORB#4:DL
JFS:dl
10/12/84

**OELD
MWagner
10/15/84

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H PDR

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ORB#4:DL
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10/12/84


ORB#4:DL
JFStolz
10/15/84

OK
in notes
changes
OELD
M. Wagner
10/16/84

Enclosure

1.a.) Question: Has any B&W plant in the U.S. ever completely replaced the entire steam generator(s)?

Reply: No.

b.) Question: Has any B&W plant in the U.S. ever disassembled the steam generator(s) and replaced specific parts?

Reply: Yes. See 1.c. below

c.) Question: Which parts and when?

Reply: Yes. Although no major disassembly (e.g., retubing) has been performed on any B&W steam generator, such items as feedwater inlets and tube plugs have been modified or replaced. These modifications have taken place over a period of years.

2.) Question: If completely replaced, what were the actual hardware and labor costs for replacing the entire steam generators(s) at a B&W plant in the U.S.?

Reply: See 1.a. above

3. Question: If any B&W steam generator(s) in the U.S. has never been completely replaced, what is the estimated cost of total replacement at Three Mile Island Unit 1?

Reply: Replacement costs of steam generators have been estimated at between \$150 and \$450 million, depending on plant-specific design, extent of replacement (retubing vs. complete replacement), and replacement scheduling and technique. These figures include replacement power cost for the period the plant is shut down. The NRC staff has made no estimate for TMI-1 specifically and is not aware of the result of any such estimate which may have been made by others.

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