

May 29, 1984

Docket No. 50-293

DISTRIBUTION

Docket File  
NRC PDR  
Local PDR  
ORB#2 Reading  
DEisenhut  
OELD  
SNorris  
PLeech  
ELJordan  
JNGrace  
ACRS (10)  
Gray File  
SJBhatt  
RGilbert

Mr. William D. Harrington  
Senior Vice President, Nuclear  
Boston Edison Company  
800 Boylston Street  
Boston, Massachusetts 02199

Dear Mr. Harrington:

SUBJECT: NUREG-0619, BWR FEEDWATER NOZZLE AND  
CRD RETURN LINE NOZZLE CRACKING

Re: Pilgrim Nuclear Power Station

We have completed our safety review of the information provided in your July 26, 1983 letter and earlier submittals concerning BWR feedwater nozzle and CRD return line nozzle cracking. Based on the results of this review, we conclude that appropriate modifications are being made at the Pilgrim Nuclear Power Station to limit crack growth in the feedwater nozzles and the control rod drive return line nozzles.

We also conclude that rerouting of the reactor water cleanup system and the installation of a new low-flow controller in the feedwater system are unnecessary. Routine inspections of the feedwater nozzles and spargers should continue at the intervals specified in Table 2 of NUREG-0619.

A copy of the staff's Safety Evaluation is enclosed.

Sincerely,

Original signed by/

Domenic B. Vassallo, Chief  
Operating Reactors Branch #2  
Division of Licensing

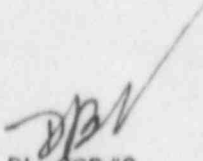
Enclosure:  
Safety Evaluation

cc w/enclosure:  
See next page

DL:ORB#2  
SNorris:ajs  
05/16/84

DL:ORB#2  
PLeech  
05/16/84

DL:ORB#5  
RGilbert  
05/21/84

  
DL:ORB#2  
DVassallo  
05/29/84

8406200258 840529  
PDR ADOCK 05000293  
PDR  
P

Mr. William D. Harrington  
Boston Edison Company  
Pilgrim Nuclear Power Station

cc:

Mr. Charles J. Mathis, Station Mgr.  
Boston Edison Company  
RFD #1, Rocky Hill Road  
Plymouth, Massachusetts 02360

Resident Inspector's Office  
U. S. Nuclear Regulatory Commission  
Post Office Box 867  
Plymouth, Massachusetts 02360

Mr. David F. Tarantino  
Chairman, Board of Selectman  
11 Lincoln Street  
Plymouth, Massachusetts 02360

Water Quality and  
Environmental Commissioner  
Department of Environmental  
Quality Engineering  
100 Cambridge Street  
Boston, Massachusetts 02202

Office of the Attorney General  
1 Ashburton Place  
19th Floor  
Boston, Massachusetts 02108

U. S. Environmental Protection  
Agency  
Region I Office  
Regional Radiation Representative  
JFK Federal Building  
Boston, Massachusetts 02203

Mr. Robert M. Hallisey, Director  
Radiation Control Program  
Massachusetts Department of  
Public Health  
600 Washington Street, Room 770  
Boston, Massachusetts 02111

Thomas A. Murley  
Regional Administrator  
Region I Office  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Mr. A. Victor Morisi  
Boston Edison Company  
25 Braintree Hill Park  
Rockdale Street  
Braintree, Massachusetts 02184