

docket

REGULATORY POCKET FILE COPY

MAY 16 1980

Docket No. 50-220

Mr. Donald P. Dise
Vice President - Engineering
c/o Miss Catherine R. Seibert
Niagara Mohawk Power Corporation
300 Erie Boulevard West
Syracuse, New York 13202

Dear Mr. Dise:

On December 28, 1979 the NRC Office of Inspection and Enforcement (IE) issued Information Notice No. 79-37 that discussed the discovery of cracks in the keyway and bore sections of discs in Westinghouse low-pressure turbines. A copy of this Information Notice with an errata sheet is enclosed. Subsequently, all licensee/ users of low-pressure turbines manufactured by General Electric were invited to meet with the NRC staff and representatives of the vendor on January 9, 1980 to discuss the probability of disc cracking in these turbines. A summary of this meeting and the General Electric Company's presentation are also enclosed with this letter.

At the time of the January 9 meeting General Electric did not have any recent results of ultrasonic inspections of its low-pressure turbines. Since that date full UT inspections have been performed on six rotors at five nuclear power plants. Some indications in the keyway region have been reported in discs at three of these plants. General Electric personnel believe that these indications were caused by water erosion rather than by stress corrosion.

The staff desires to learn more about the underlying reasons for the indications found and the probable rate of growth of these indications and their effects on turbine disc integrity.

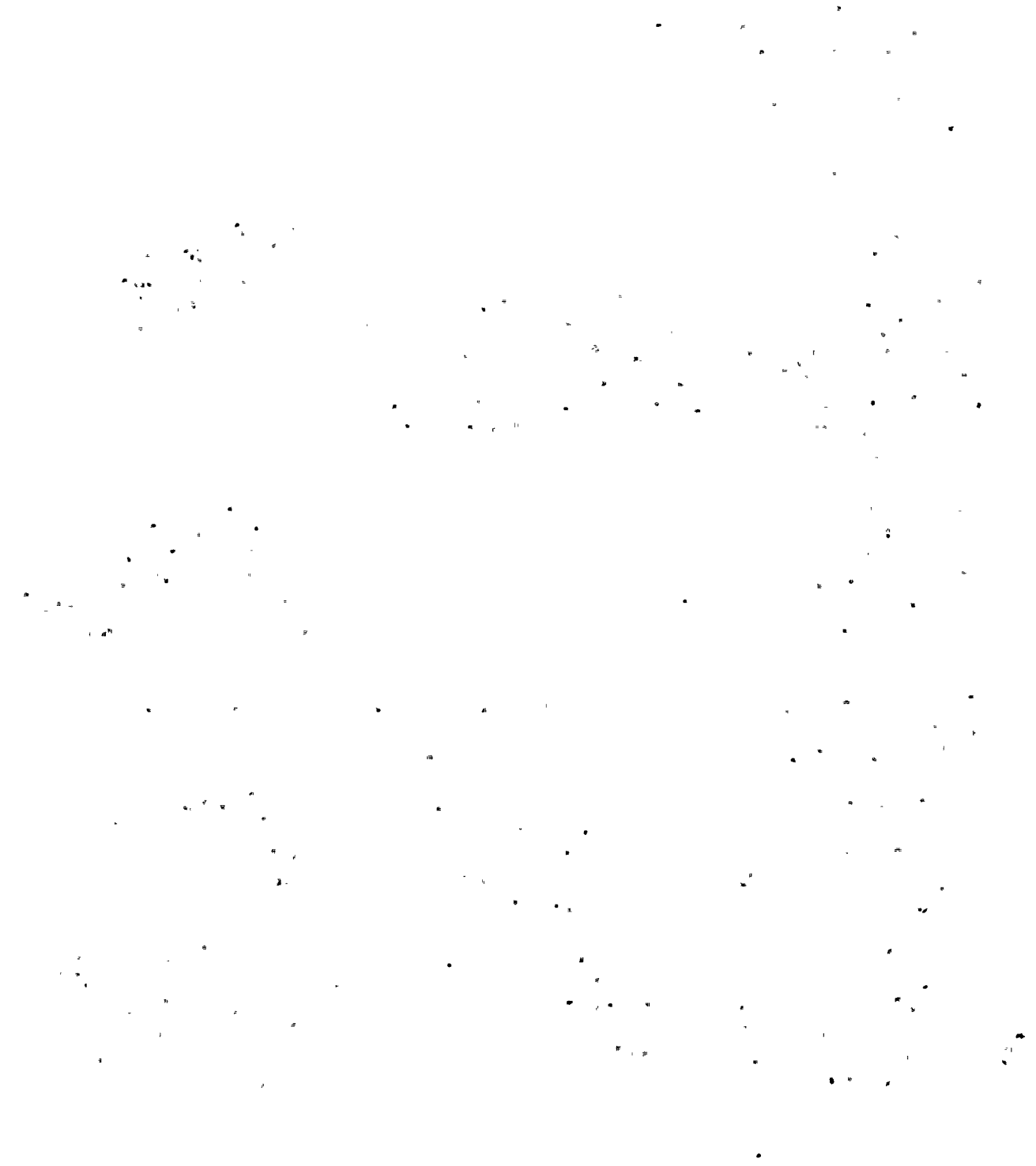
For this purpose we request that you provide the information sought in Enclosure 3 to this letter and address its safety significance. Under the provisions of 10 CFR 50.54(f) your response is requested within 30 days of the receipt of this letter. A copy of this letter is being telecopied to you, along with Enclosure 3.

It is my understanding that additional UT inspections are to be performed by General Electric in the near future. We encourage this action as being the only certain means of determining the integrity of turbine discs. We also recommend that if you have not already done so, that you develop a schedule for performing a full UT inspection of at least one of your low-pressure turbines during the next major outage of your plant.

800620057

OFFICE ▶						
SURNAME ▶						
DATE ▶						

0001 11 1981



Mr. Donald P. Dise

- 2 -

MAY 16 1980

This request for generic information was approved by GAO under clearance number B-180225 (S79014); this clearance expires June 30, 1980.

Sincerely,

Original Signed by
T. A. Ippolito

Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosures:

1. Information Bulletin
79-37
2. Meeting Summary
3. Information Requests

cc w/o enclosures:
See next page

Distribution

Docket
ORB #2
Local PDR
NRC PDR
NRR Reading
Tippolito
SNorris
Atty, OELD
OI&E (3)
TERA
NSIC
TERA
PPolk

OFFICE ▶	ORB #2 <i>SNorris</i>	ORB #2 <i>PPolk</i>	ORB #2 <i>Tippolito</i>			
SURNAME ▶	SNorris	PPolk	Tippolito			
DATE ▶	5/14/80	5/14/80	5/15/80			

0501 0 1 Y881

0501 0 1 Y881
0501 0 1 Y881

0501 0 1 Y881
0501 0 1 Y881
0501 0 1 Y881

Mr. Donald P. Dise
Niagara Mohawk Power Corporation

- 3 -

May 16, 1980

cc:

Eugene B. Thomas, Jr., Esquire
LeBoeuf, Lamb, Leiby & MacRae
1757 N Street, N.W.
Washington, D. C. 20036

State University College at Oswego
Penfield Library - Documents
Oswego, New York 13126

