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 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388
 AUTH.NAME AUTHOR AFFILIATION
 CURTIS,N.W. Pennsylvania Power & Light Co. m/4
 RECIPIENT AFFILIATION
 YOUNGBLOOD,B.J. Licensing Branch 1

SUBJECT: Forwards pressure curves for MSIV closure w/pressure scram,
 per 800821 request.

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OCT 22 1980

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NORMAN W. CURTIS
Vice President-Engineering & Construction-Nuclear
821-5381

OCT 17 1980

Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Docket Nos. 50-387
50-388

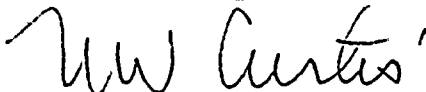
SUSQUEHANNA STEAM ELECTRIC STATION
ADDITIONAL INFORMATION REQUESTED AT NRC MEETING 8/21/80
ER 100450 FILE 841-2
PLA-556

Dear Mr. Youngblood:

During the meeting with your Reactor Systems Branch on August 21, 1980, they requested the pressure curves for MSIV closure with a pressure scram. The requested curves are attached.

If you have any questions please contact us.

Very truly yours,



N. W. Curtis
Vice President-Engineering and Construction-Nuclear

CTC:mks

Attachment

*Boo1
5/11*

MSIV Transient with Pressure Scram

PSIG
Vessel Pressure

1000

0

2

4

6

8

10

12

Time - seconds

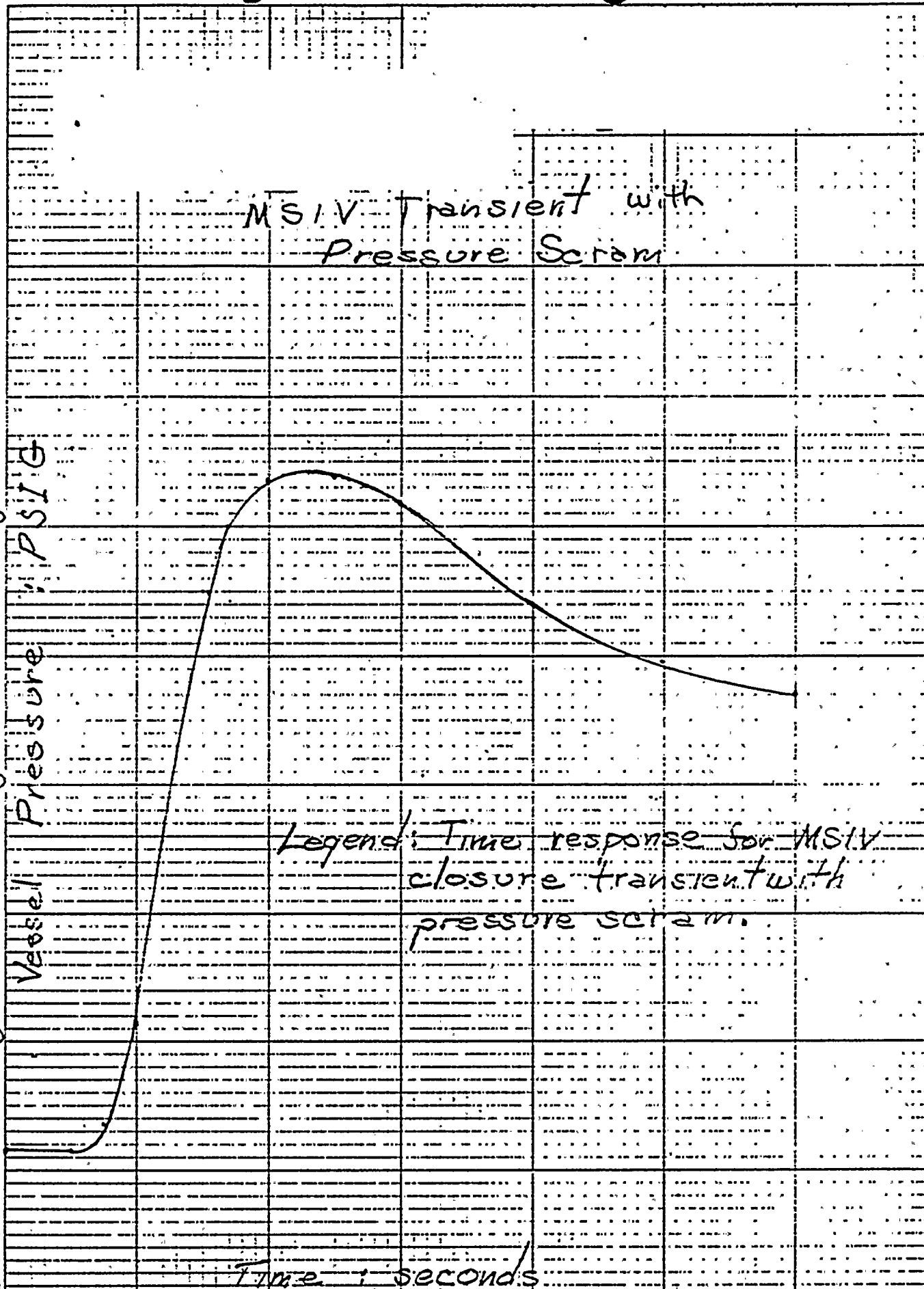
1300

1200

1100

Legend: Time response for MSIV closure transient with pressure scram.

BRIDGEPORT AND BOSTON DISTRICTS
NO. 100
DATE: 10-10-1960
15-8005-01



MSIV Transient
 Peak Vessel Pressure vs
 Safety Capacity
 Pressure Scram

1400
 Peak Vessel Pressure (PSIG)
 1300
 Peak Vessel Pressure (PSIG)
 1200

1375 PSIG Code Limit

Legend:

Peak vessel pressure vs
 safety capacity in percent
 of NBR steam flow at 103%
 of 1175 PSIG at safety valve

Number of Safety Valves

0 2 4 6 8 10 12 14 16 18
 Safety Capacity % 20 40 60 80 100 120

