

**Nuclear**

**GPU Nuclear Corporation**  
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Parsippany, New Jersey 07054  
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TELEX 136-482  
Writer's Direct Dial Number:

April 30, 1990  
C320-90-653

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

Subject: Oyster Creek Nuclear Generating Station (OCNGS)  
Docket No. 50-219  
License No. DPR-16  
Technical Specification Change Request 181

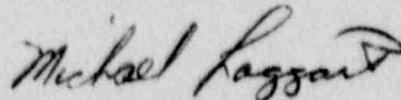
Reference: GPUN Letter 12/18/89

Last year, GPUN proposed a reduction in the number of main steam safety valves from sixteen to eight. The technical discussion provided in that submittal identified the assumptions and the results for eight safety valves mitigating two events: MSIV closure with credit for high flux scram; and MSIV closure without scram.

During a recent conference call (04/12/90), the NRC staff requested supplemental information to delineate the plant response for the two events (eight safety valves), and the plant response for the current licensing basis (sixteen safety valves). Attached are eight plots to support your timely review of our Technical Specification Change Request.

If you have any questions on this letter, please contact Mr. M. W. Laggart at (201) 316-7968.

Very truly yours,



M. W. Laggart  
Manager, BWR Licensing

MWL/DJ  
Attachment  
cc's on next page

MSSV

9005030353 900430  
PDR ADOCK 05000219  
P PDC

*Acc*  
*11*

cc: Regional Administrator  
Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Resident Inspector  
Oyster Creek Nuclear Generating Station

Mr. Alex Dromerick  
U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, D.C. 20555

LIST OF ENCLOSURES

Safety Valve Flow-Main Steam Isolation Valve Closure-No Scram  
(ATWS), Cycle 12, 16 Safety Valves

Heat Flux, Power, Core Flow-Main Steam Isolation Valve Closure-No  
Scram (ATWS), 16 Safety Valves

Normalized Power, MSIV Closure With Scram, Cycle 12, 8 Safety  
Valves, Recirculation Pump Trip

Reactor Vessel Lower Plenum Pressure Rise-MSIV Closure With  
Scram, Cycle 12, 8 Safety Valves, Recirculation Pump Trip

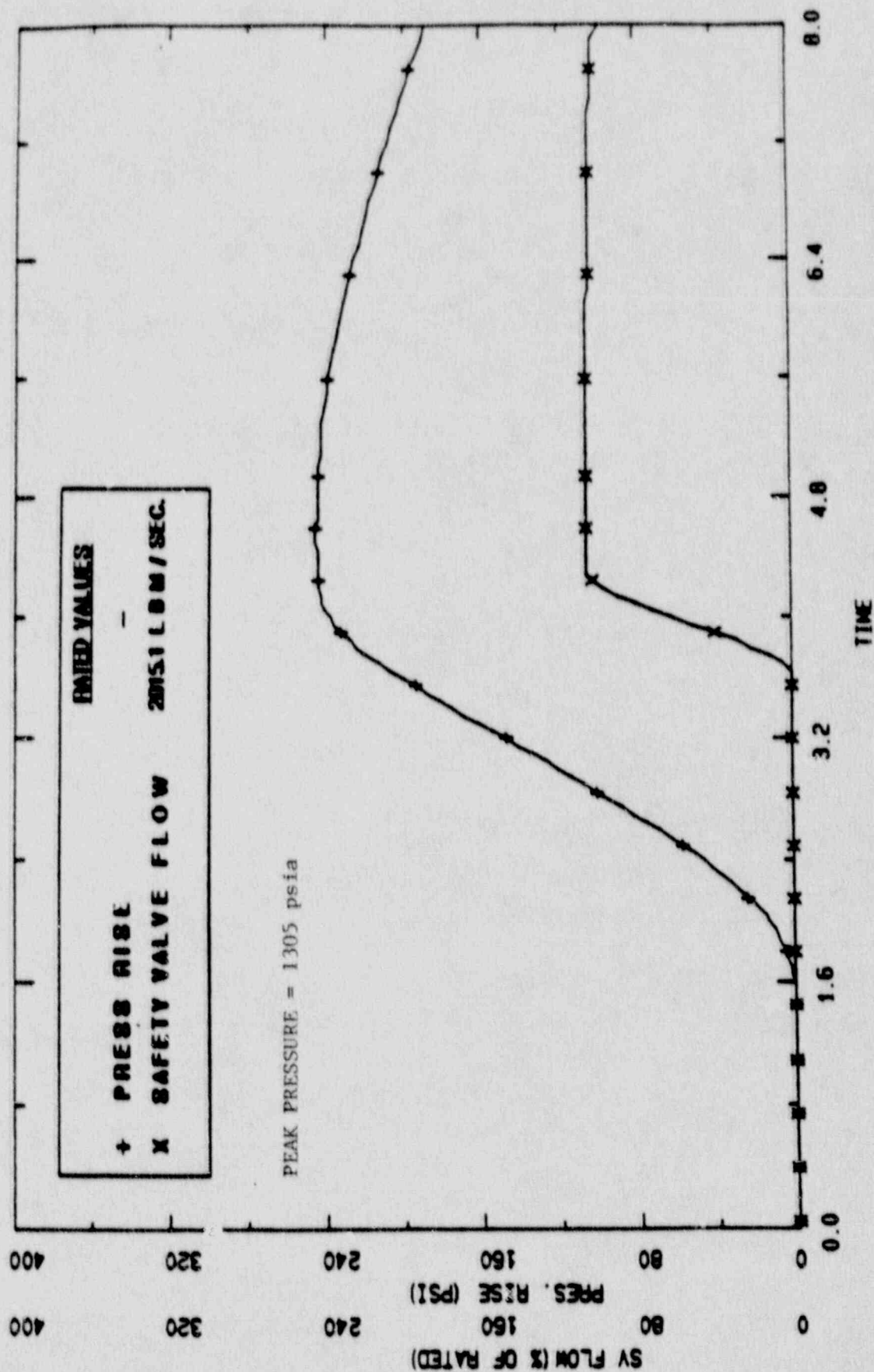
Normalized Turbine Flow-MSIV Closure With Scram, Cycle 12, 8  
Safety Valves, Recirculation Pump Trip

Safety Valve Flow-MSIV Closure With Scram, Cycle 12, 8 Safety  
Valves, Recirculation Pump Trip

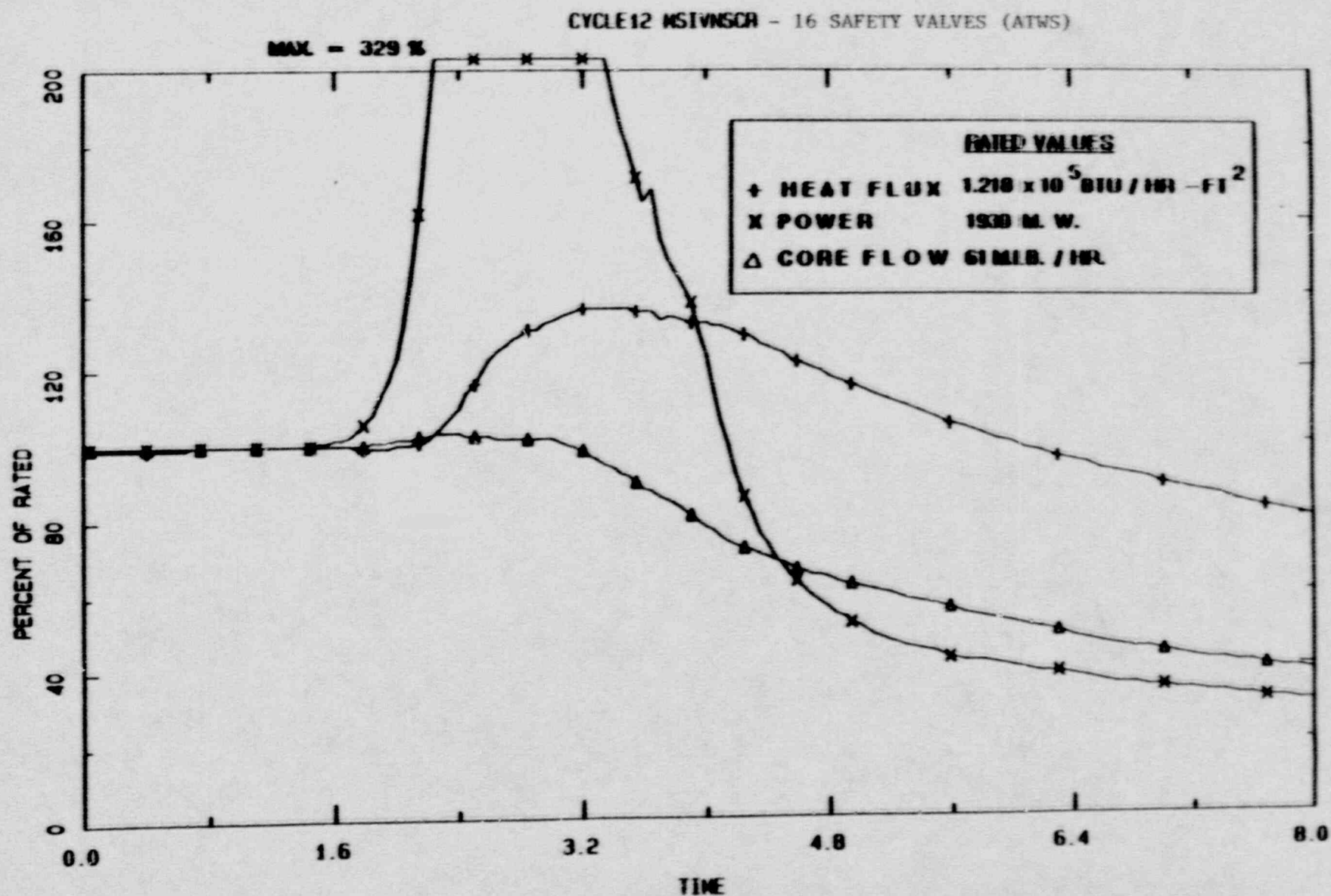
Reactor Vessel Lower Plenum Pressure Rise, MSIV Closure, ATWS, 8  
Safety Valves, 5 Electromatic Relief Valves, Recirculation Pump  
Trip

Normalized Power, MSIV Closure, ATWS, 8 Safety Valves, 5  
Electromatic Relief Valves, Recirculation Pump Trip

# CYCLE 12 MSIV/SCRAM - 16 SAFETY VALVES (ATWS)

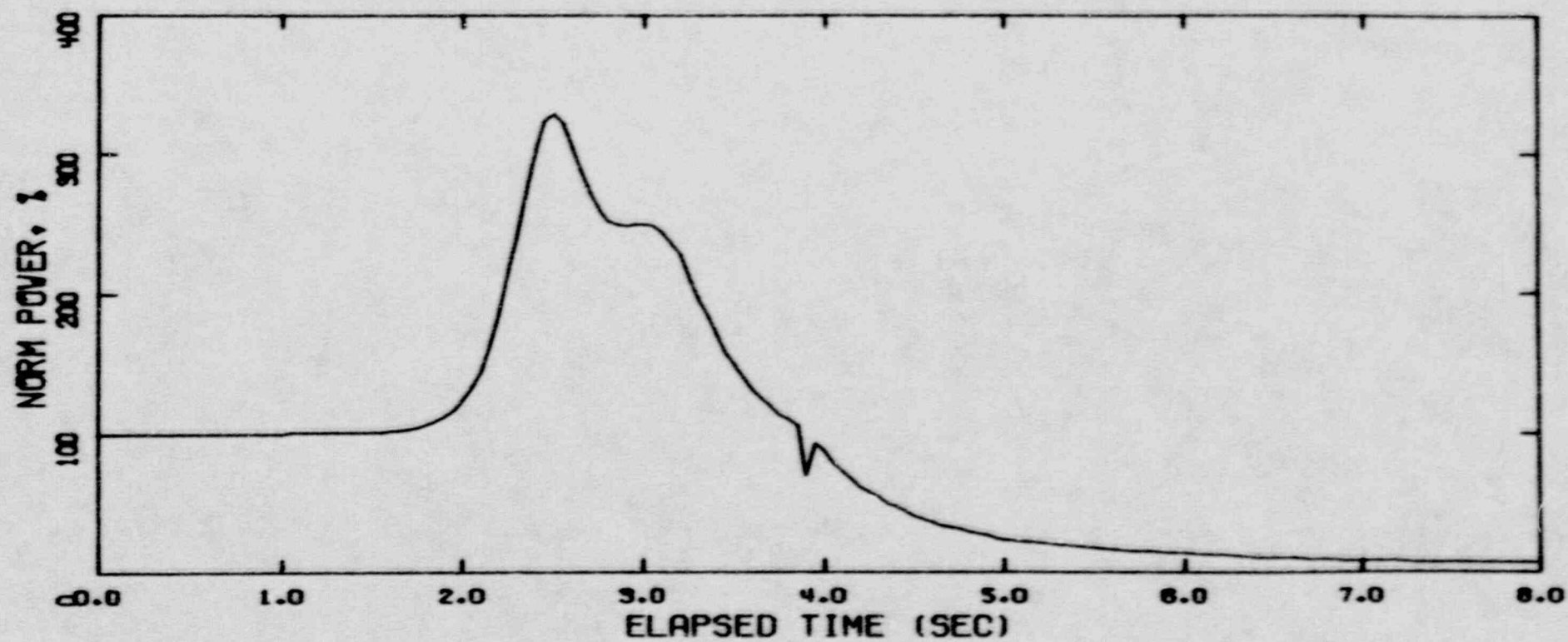




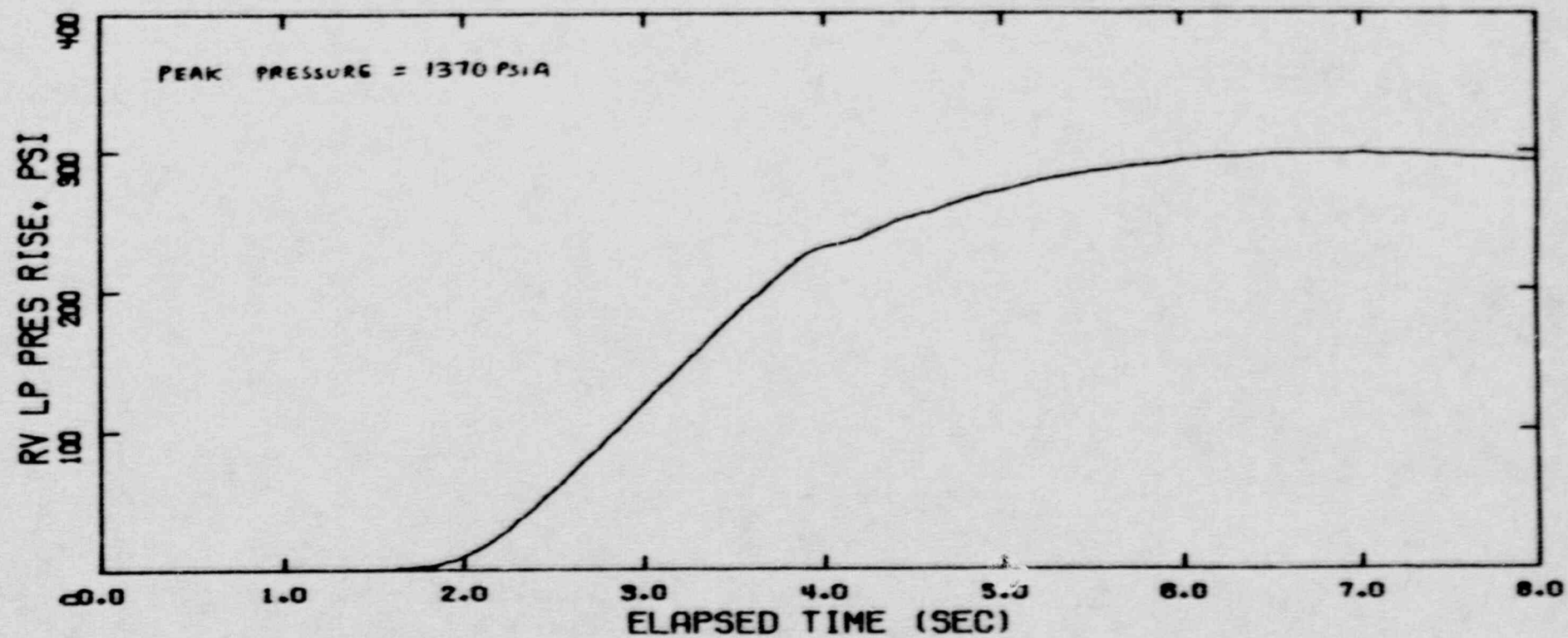


MAIN STEAM ISOLATION VALVE CLOSURE - NO SCRAM.  
HEAT FLUX, POWER, CORE FLOW.

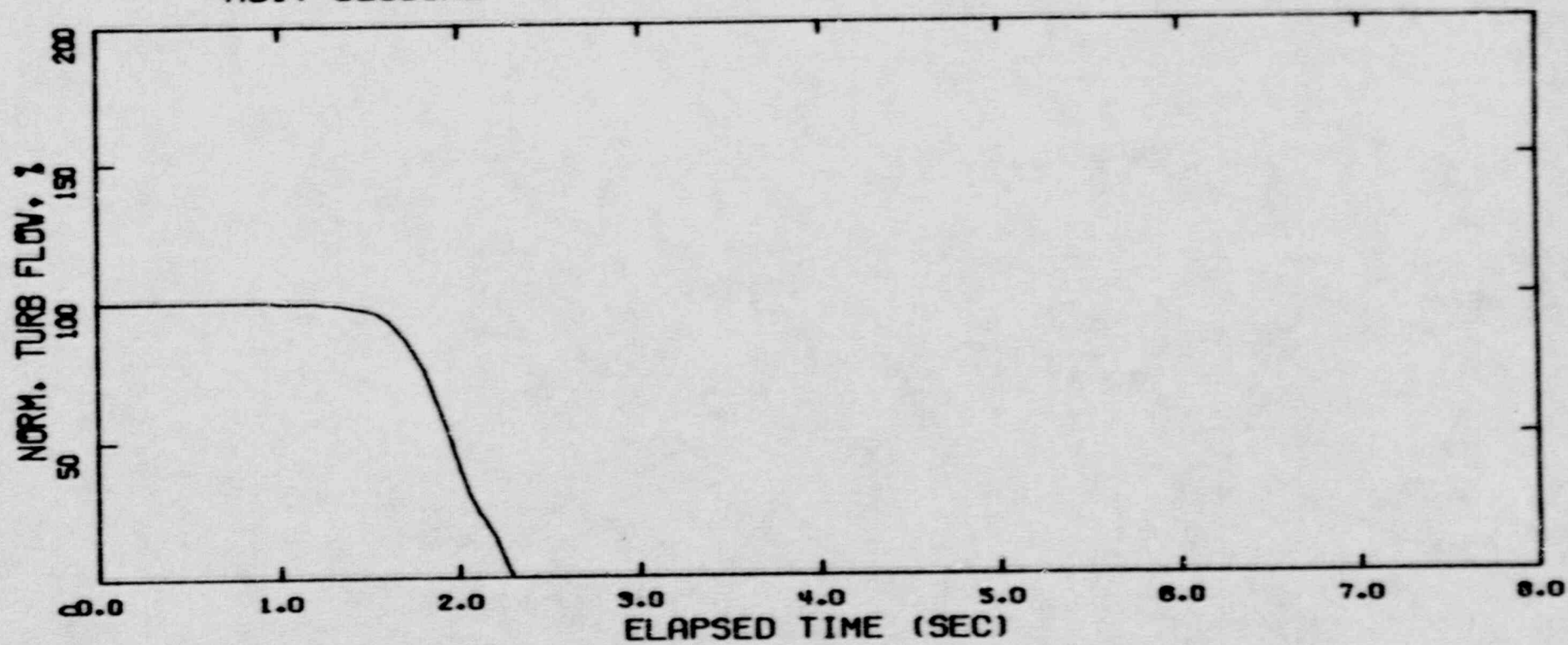
MSIV CLOSURE W SCRAM. CYCLE 12. 8 SAFETY VALVES. RPT



MSIV CLOSURE W SCRAM. CYCLE 12. 9 SAFETY VALVES. RPT

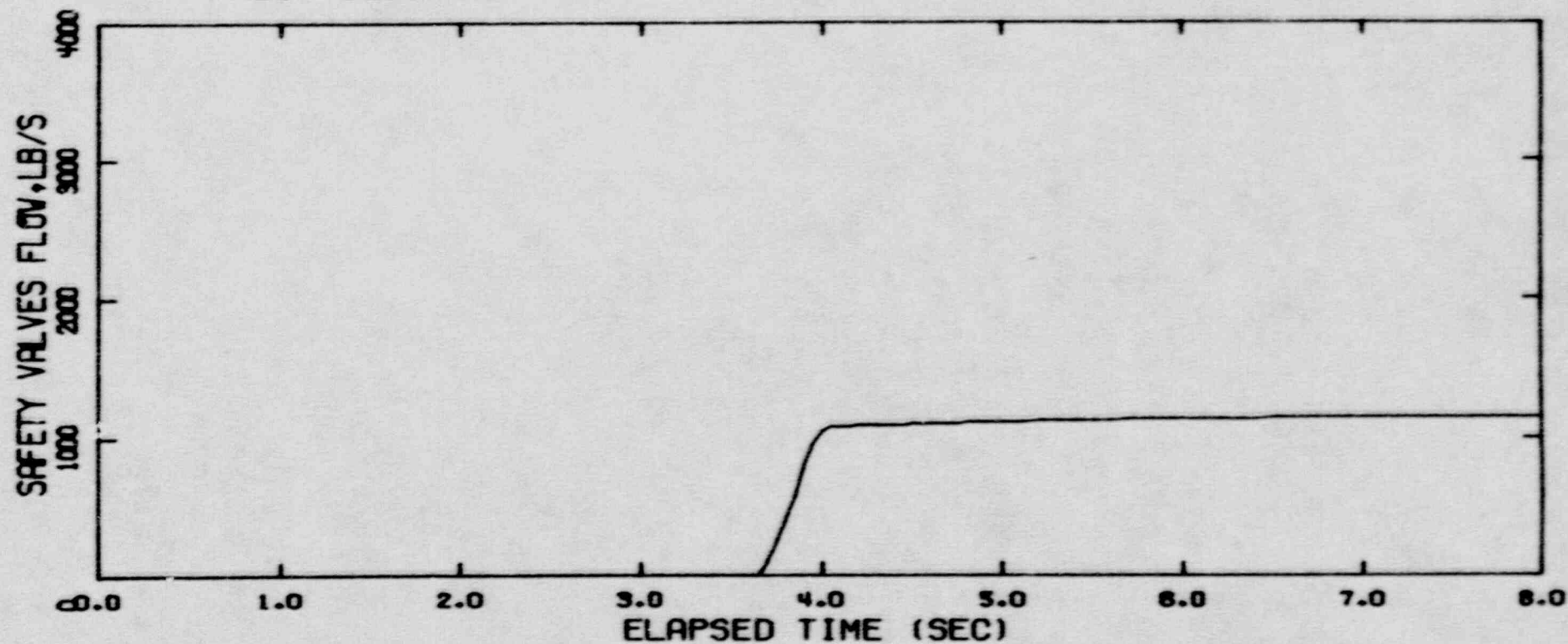


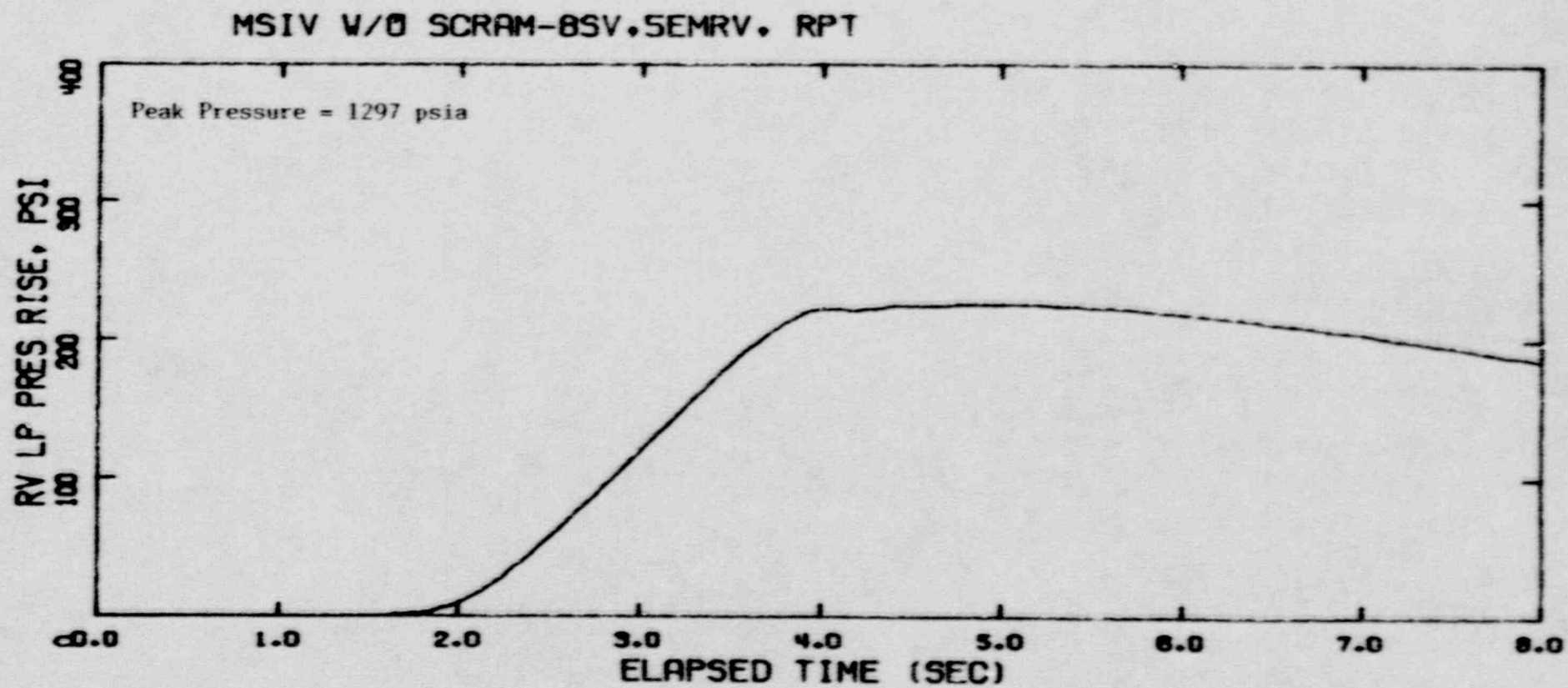
MSIV CLOSURE W SCRAM. CYCLE 12. 8 SAFETY VALVES. RPT





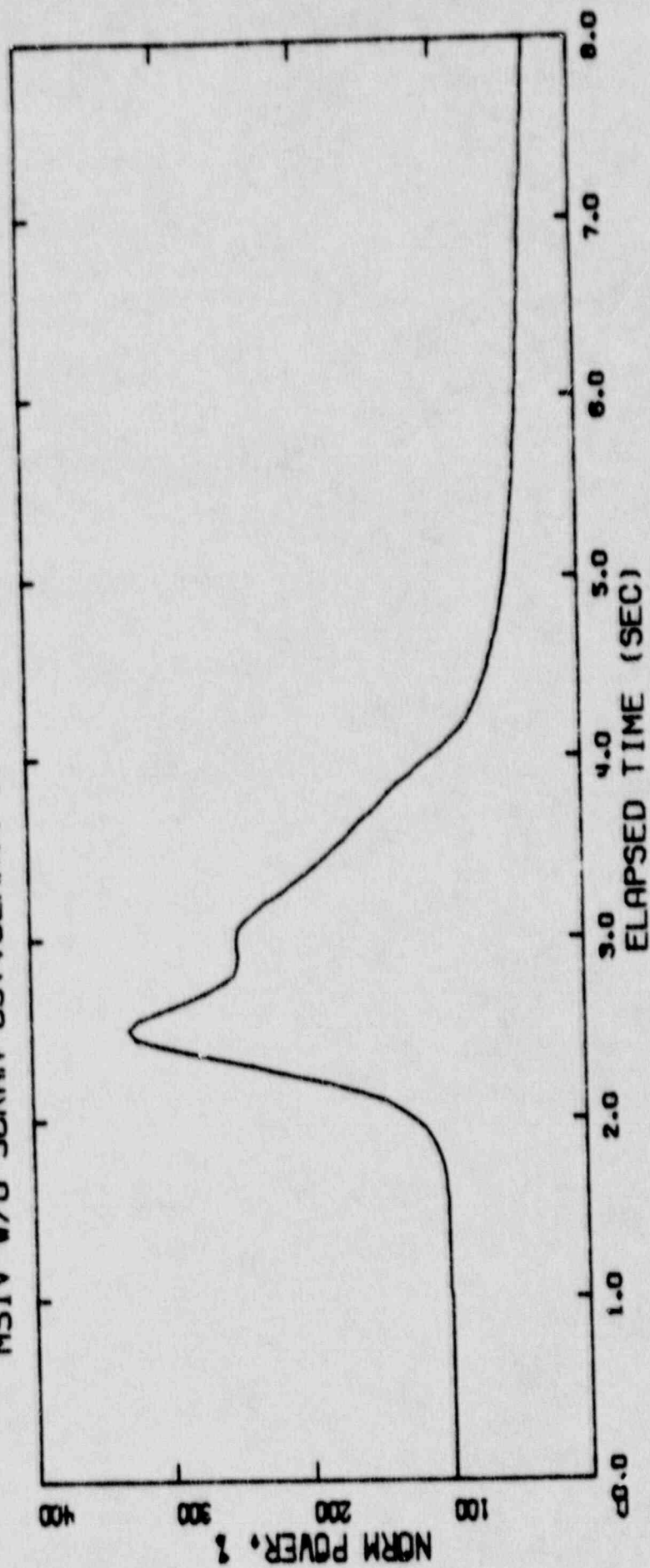
MSIV CLOSURE W SCRAM. CYCLE 12. 8 SAFETY VALVES. RPT





RV Lower Plenum Pressure Rise, MSIV Closure ATWS, 8 SVs, 5 EMRVs, RPT

MSIV V/O SCRAM-8SV.5EMRV. RPT



Normalized Power, MSIV Closure ATWS, 8 SVs, 5 EMRVs, RPT