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October 27, 1982

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Byron Station Units 1 and 2
Braidwood Station Units 1 and 2
Main Steamline Break Subcompartment
Analyses
NRC Docket Nos. 50-454, 50-455,
50-456, and 50-457

References (a): August 10, 1982, letter from
T. R. Tramm to H. R. Denton.

Dear Mr. Denton:

This is to provide advance copies of revised FSAR information regarding the consequences of a postulated break in a main steam pipe at Byron and Braidwood stations. This updates analytical information provided in reference (a) and in FSAR Amendment 39.

Attachment A contains corrected figures for the steamline break report. The changes are necessary to correct computational errors. The overall results of the analysis are not altered. This information will be incorporated into the FSAR in the next amendment.

Please address questions regarding this matter to this office.

One signed original and fifteen copies of this letter and the attachments are provided for your use.

Very truly yours,

T. R. Tramm
Nuclear Licensing Administrator

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Attachment A

Boo1

5319N

ATTACHMENT A

REVISED FIGURES

BYRON/BRAIDWOOD FSAR

ATTACHMENT C3.6

C3.6-3

C3.6-5

C3.6-6

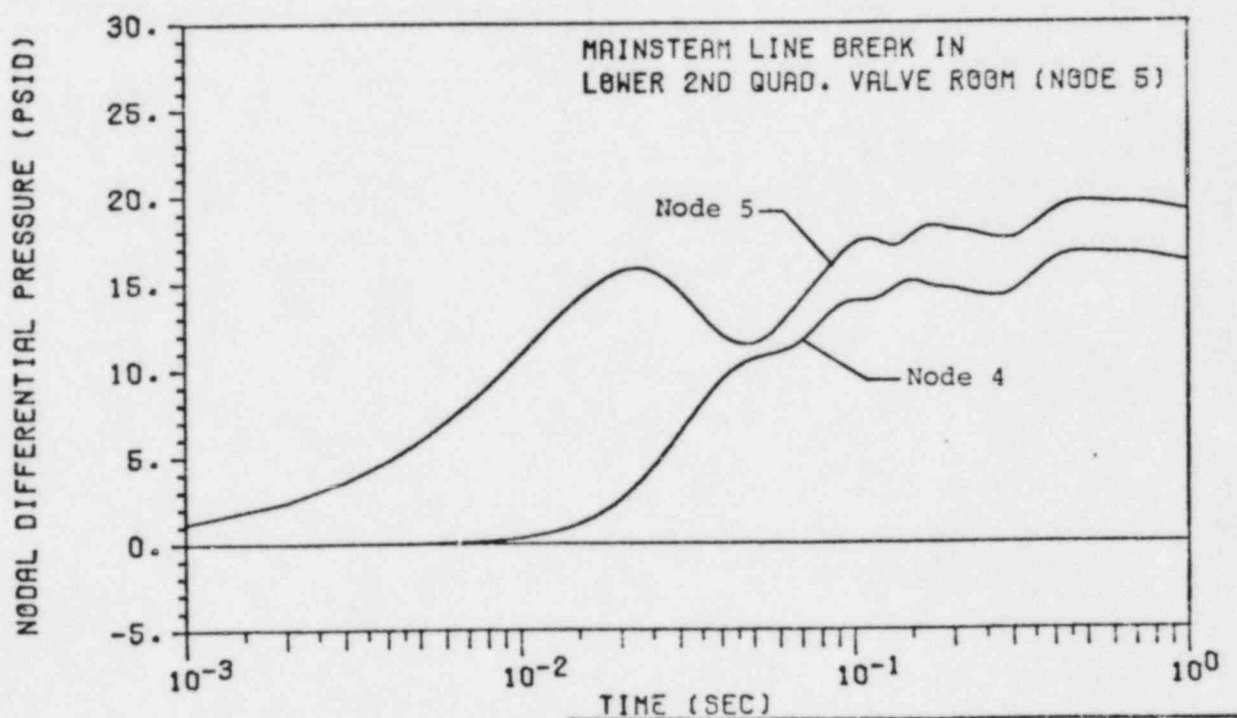
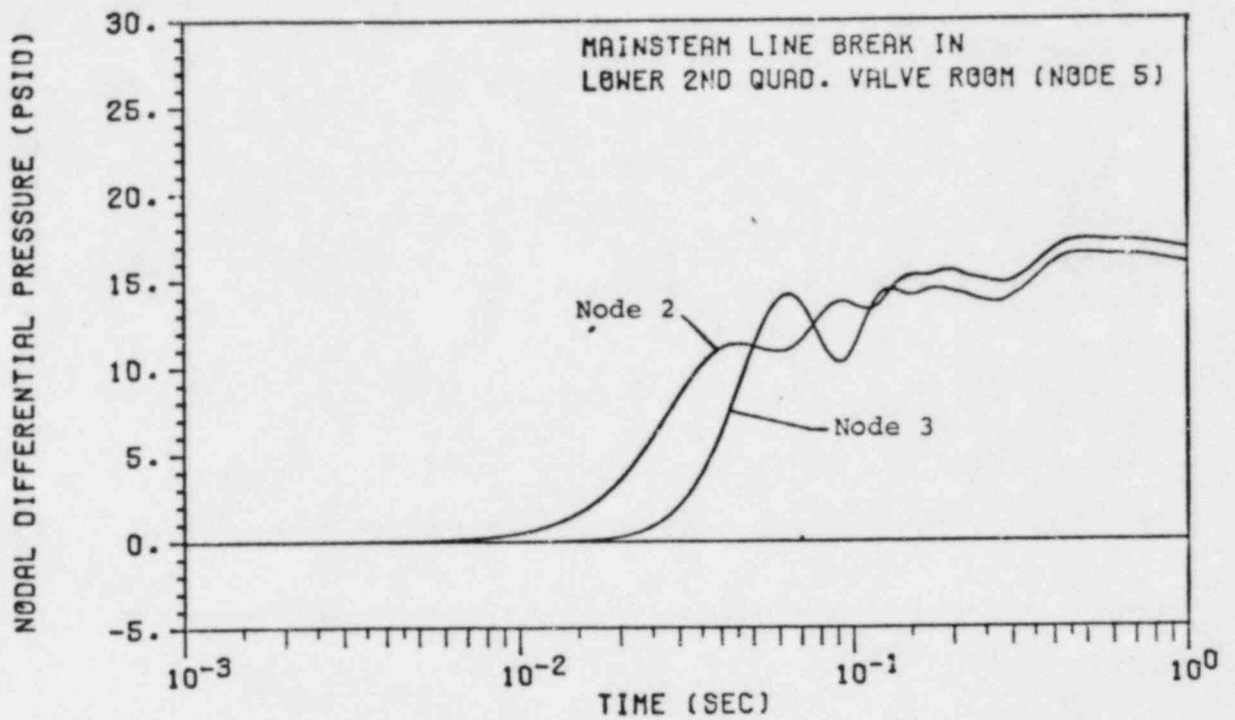
C3.6-8

C3.6-9

C3.6-11

C3.6-12

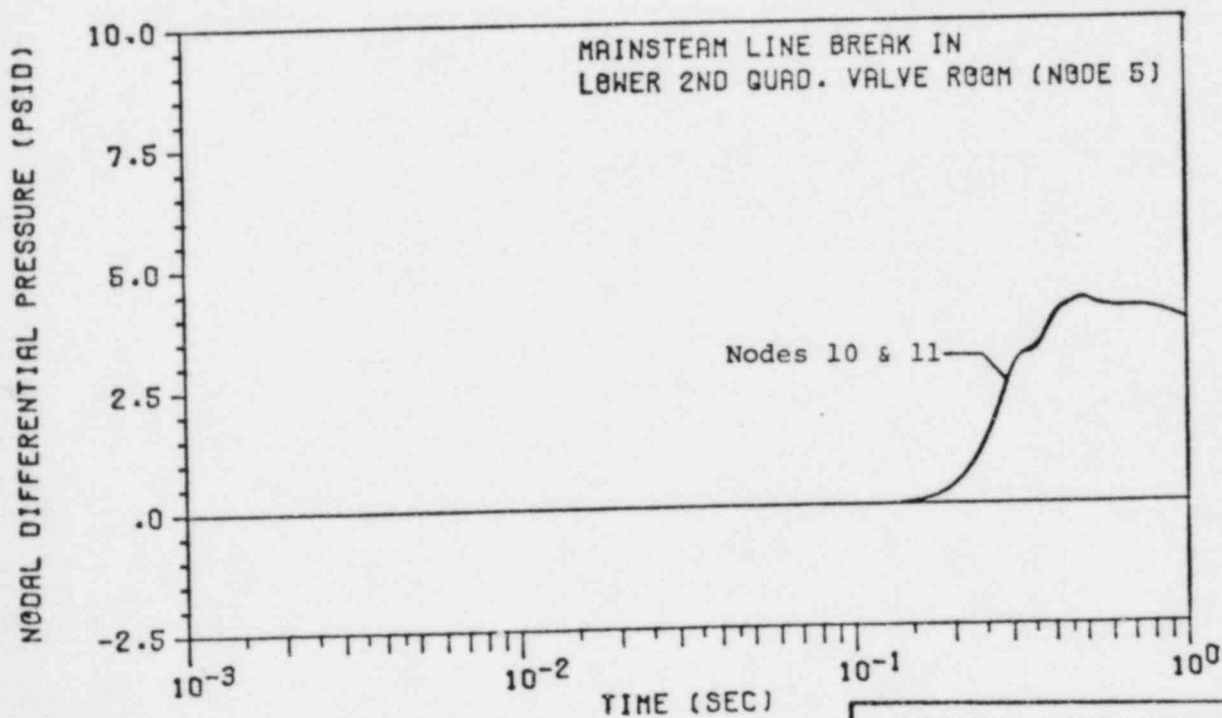
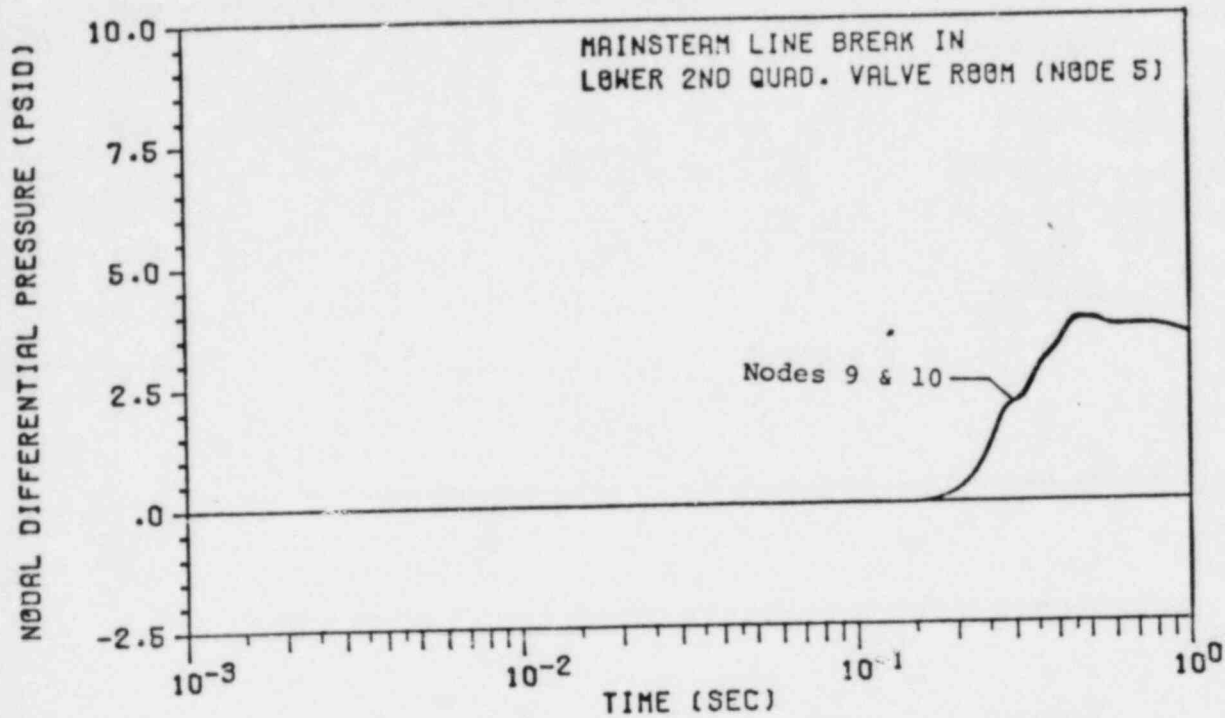
C3.6-14



BYRON/BRAIDWOOD STATIONS
FINAL SAFETY ANALYSIS REPORT

FIGURE C3.6-3

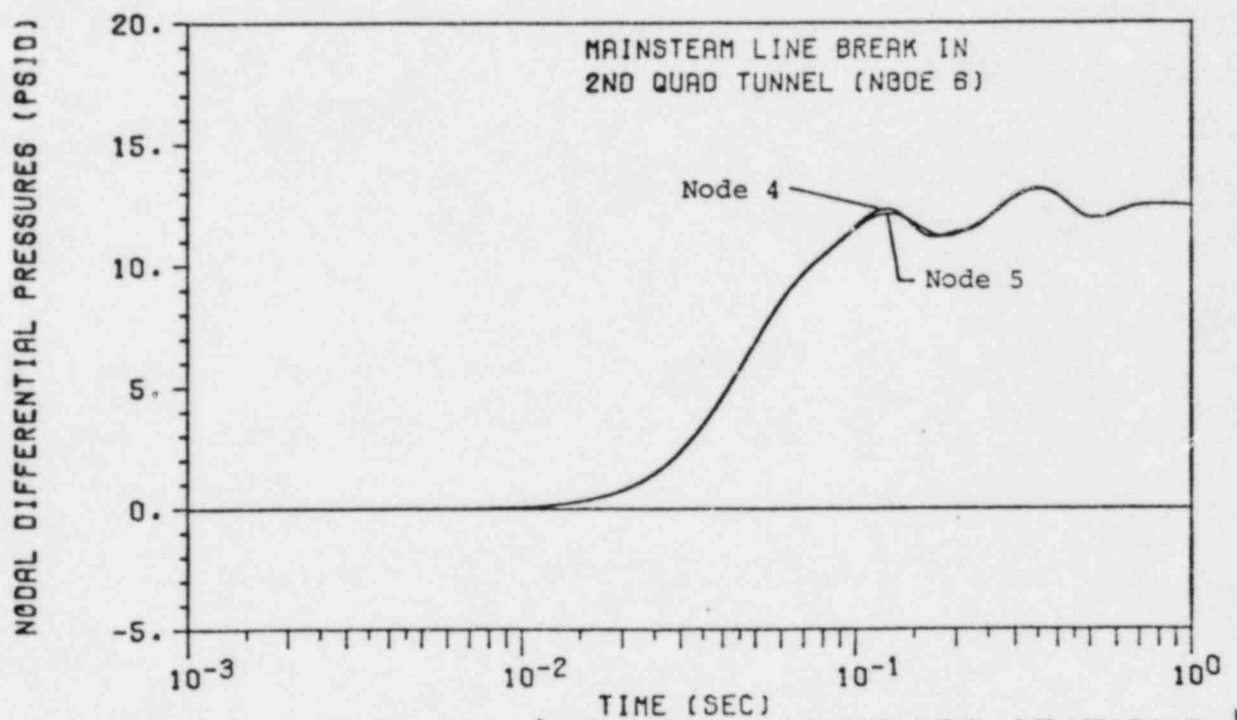
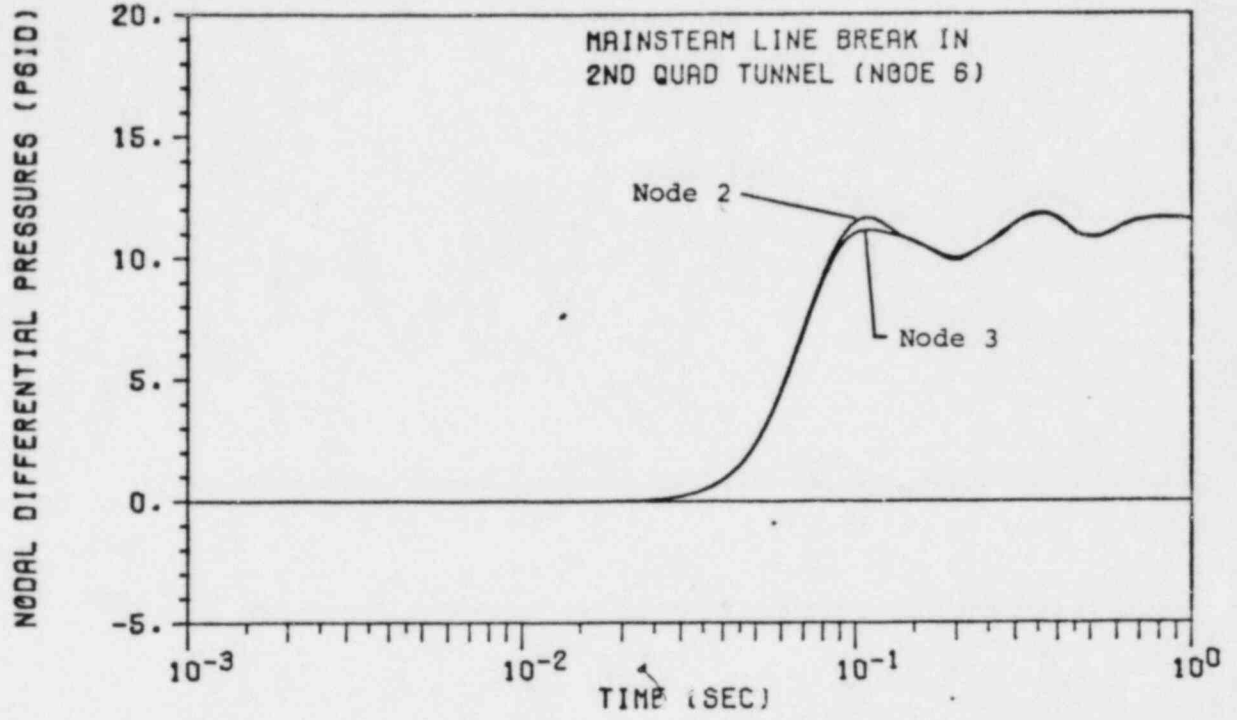
DIFFERENTIAL PRESSURE VS. TIME
FOR NODES 2, 3, 4, AND 5
(BREAK IN NODE 5)



BYRON/BRAIDWOOD STATIONS
FINAL SAFETY ANALYSIS REPORT

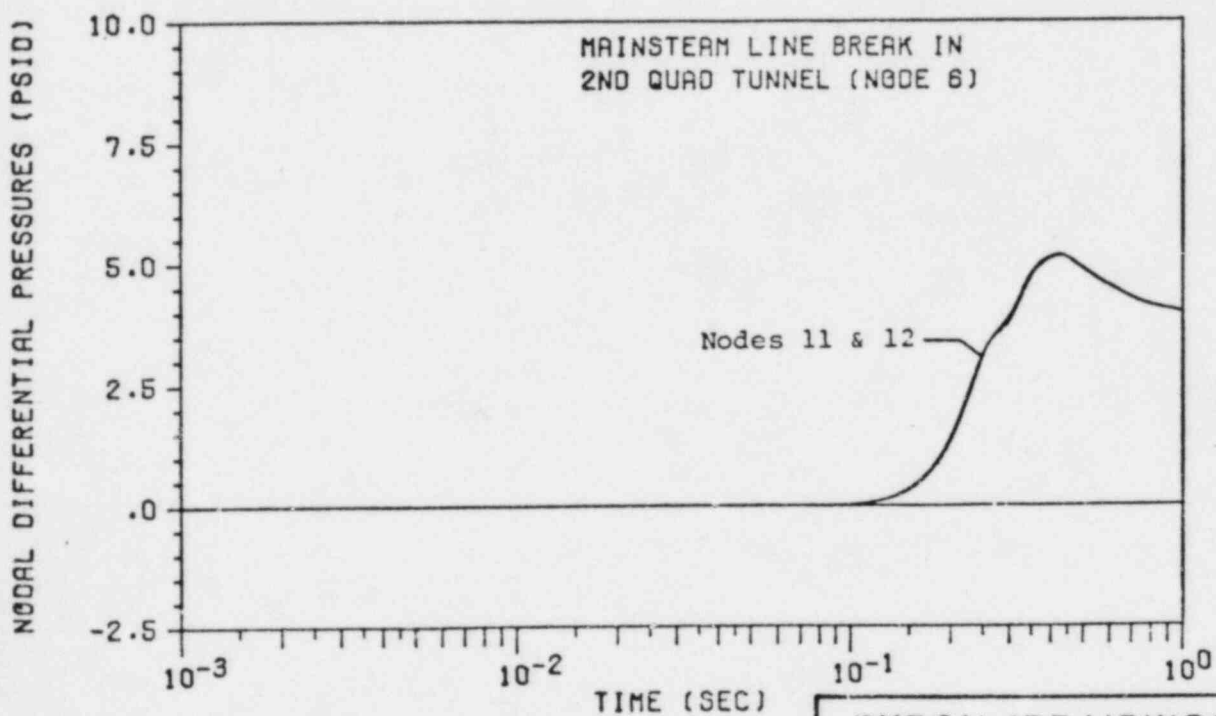
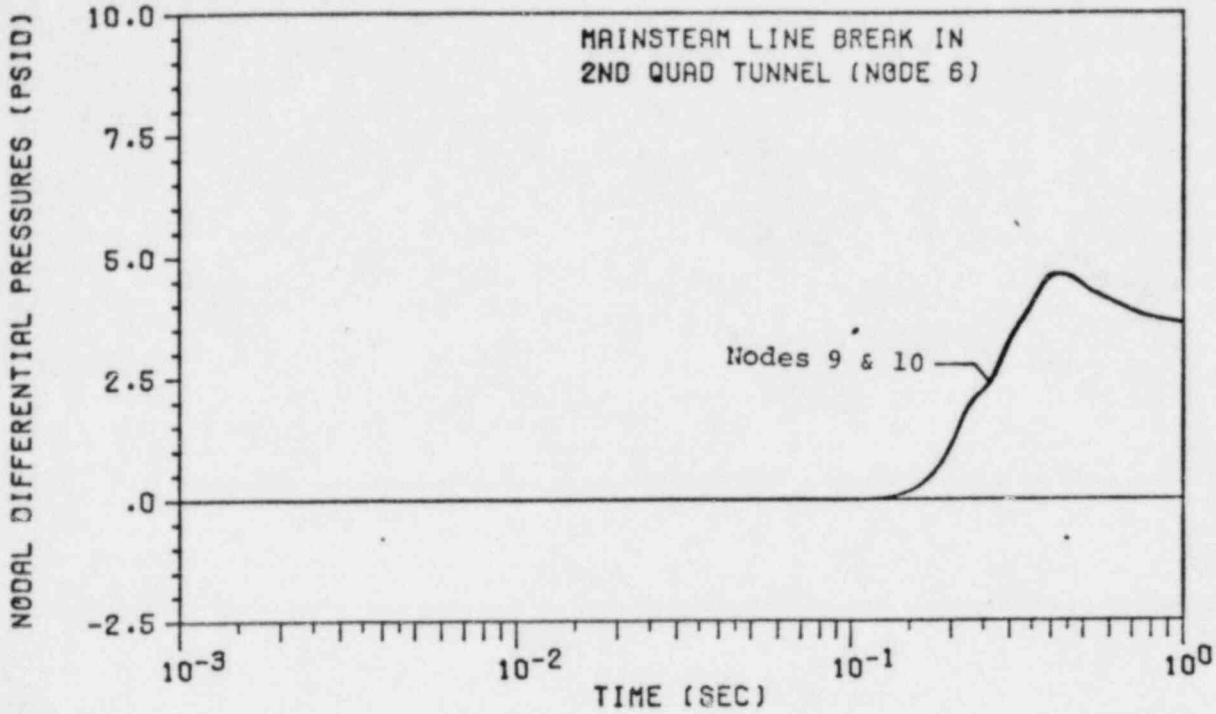
FIGURE C3.6-5

DIFFERENTIAL PRESSURE VS. TIME
FOR NODES 9, 10, 11, AND 12
(BREAK IN NODE 5)



BYRON/BRAIDWOOD STATIONS
FINAL SAFETY ANALYSIS REPORT

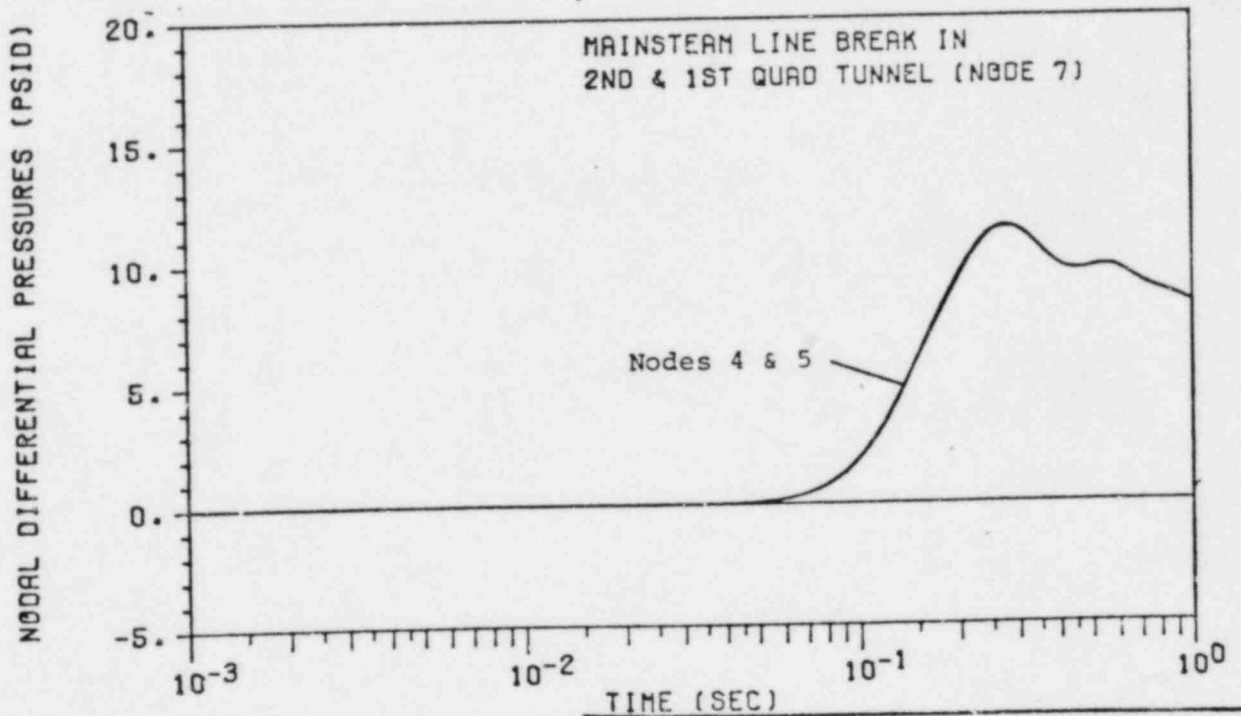
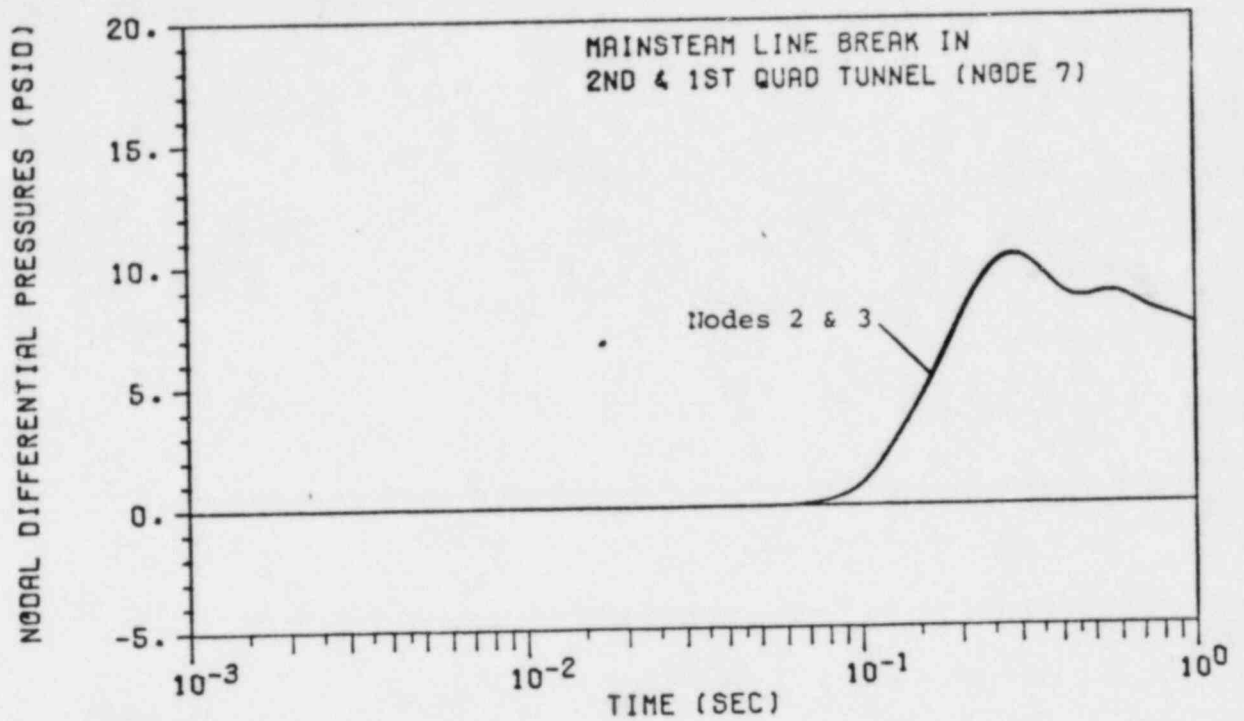
FIGURE C3.6-6
DIFFERENTIAL PRESSURE VS. TIME
FOR NODES 2, 3, 4, AND 5
(BREAK IN NODE 6)



BYRON/BRAIDWOOD STATIONS
FINAL SAFETY ANALYSIS REPORT

FIGURE C3.6-8

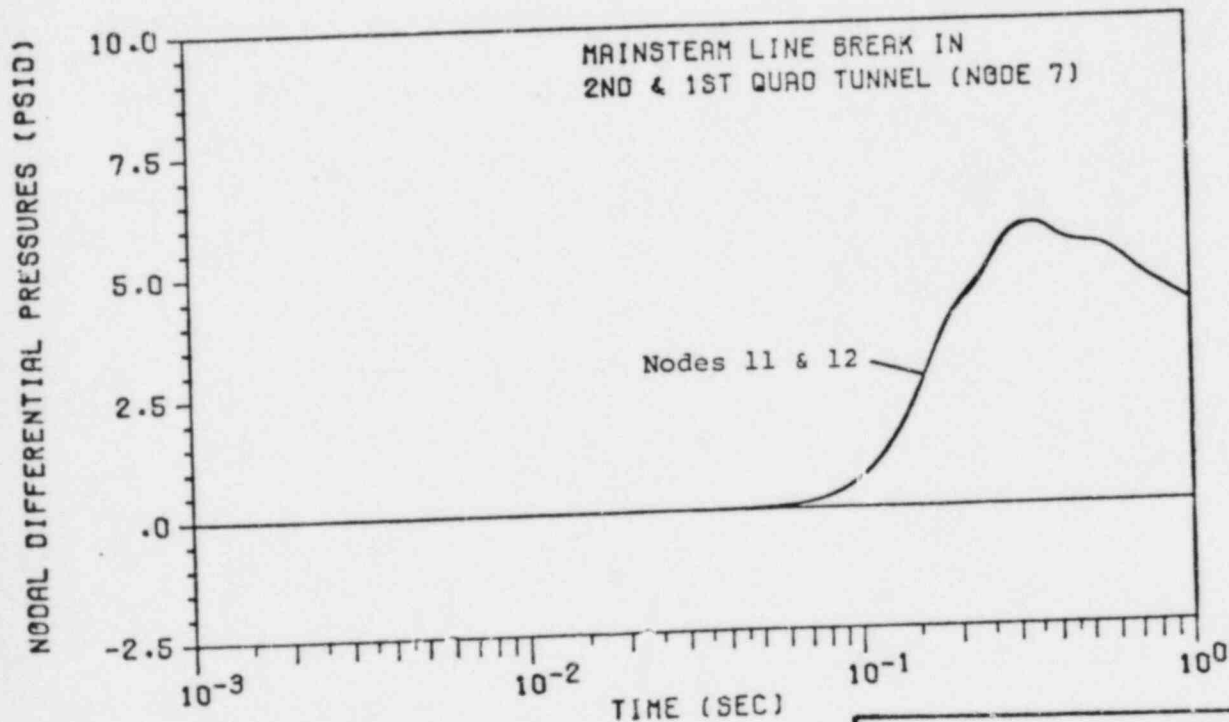
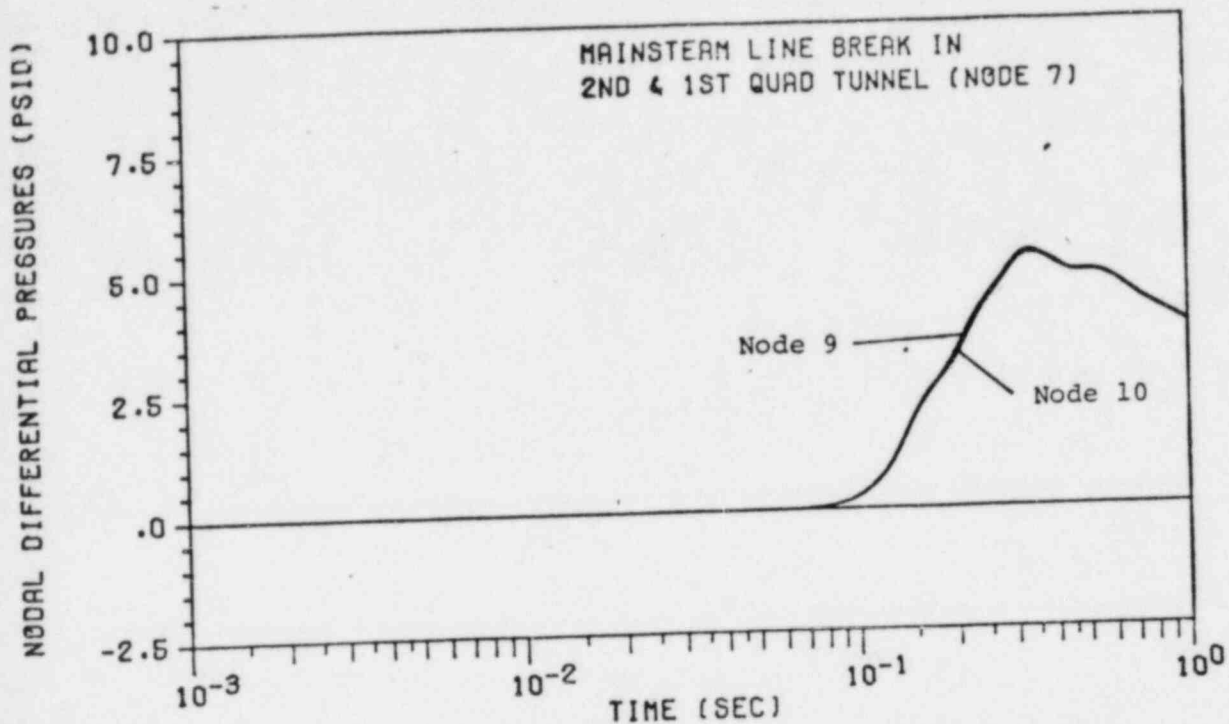
DIFFERENTIAL PRESSURE VS. TIME
FOR NODES 9, 10, 11, AND 12
(BREAK IN NODE 6)



BYRON/BRAIDWOOD STATIONS
FINAL SAFETY ANALYSIS REPORT

FIGURE C3.6-9

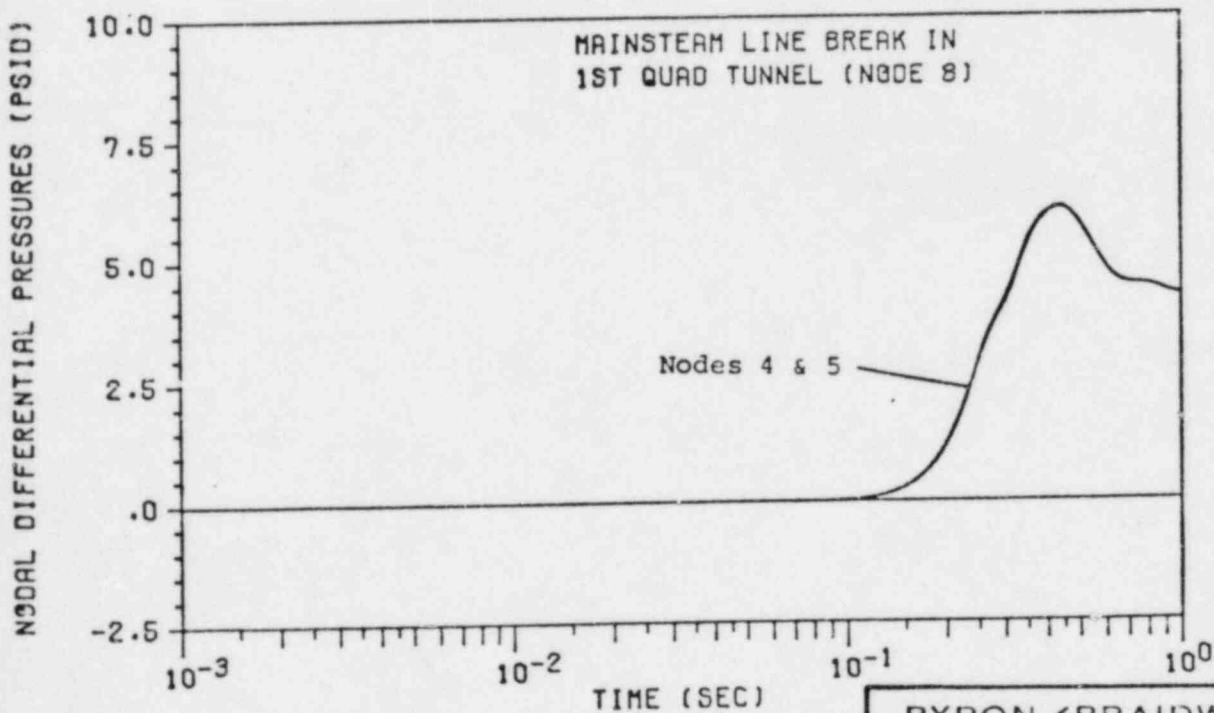
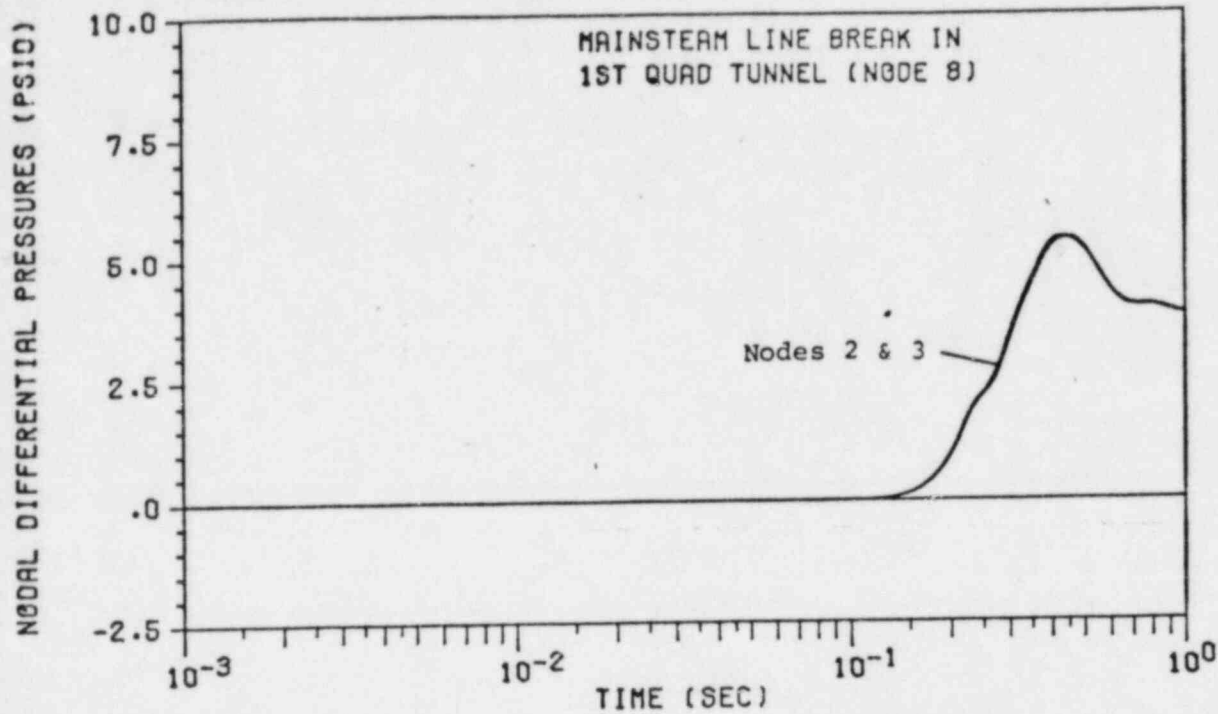
DIFFERENTIAL PRESSURE VS. TIME
FOR NODES, 2, 3, 4, AND 5
(BREAK IN NODE 7)



BYRON/BRAIDWOOD STATIONS
FINAL SAFETY ANALYSIS REPORT

FIGURE C3.6-11

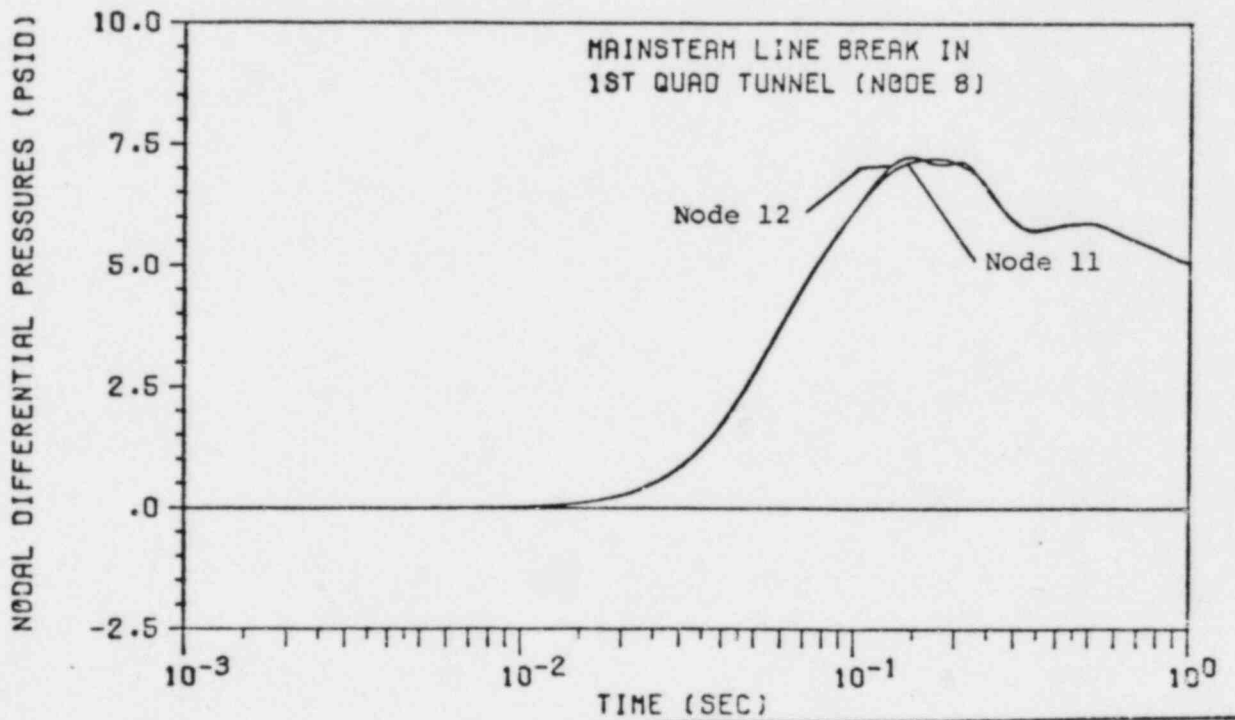
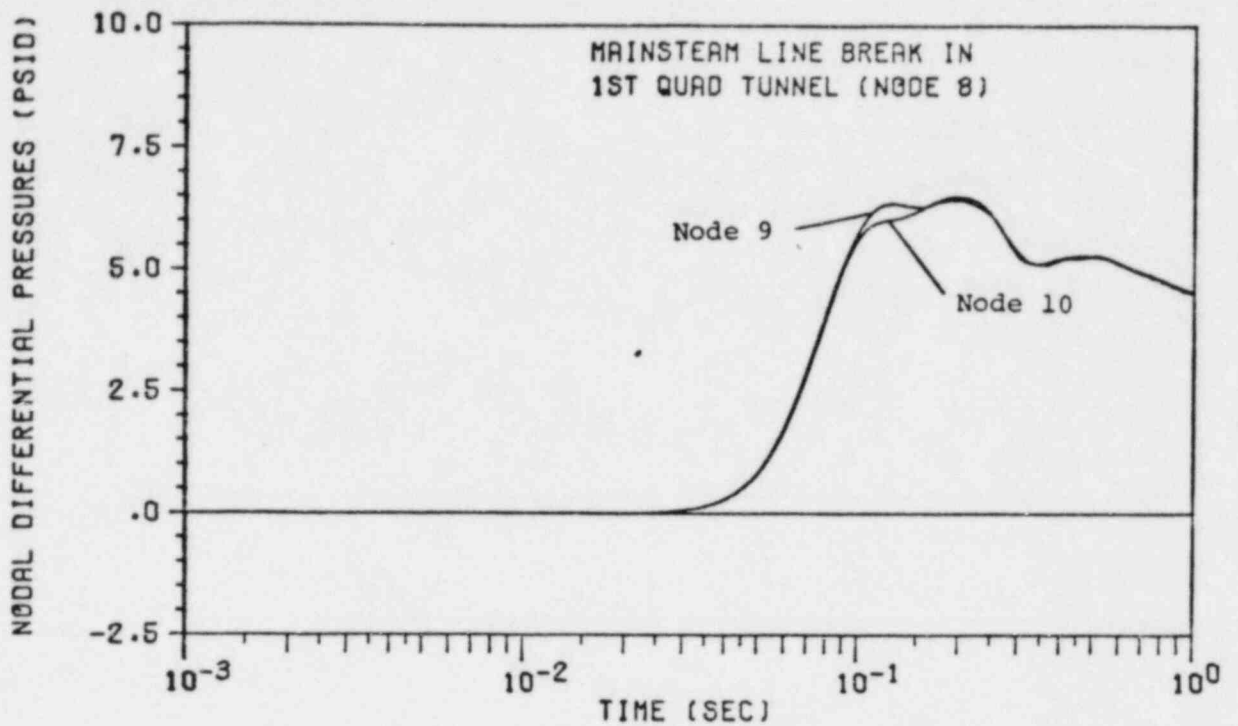
DIFFERENTIAL PRESSURE VS. TIME
FOR NODES 9, 10, 11, AND 12
(BREAK IN NODE 7)



BYRON/BRAIDWOOD STATIONS
FINAL SAFETY ANALYSIS REPORT

FIGURE C3.6-12

DIFFERENTIAL PRESSURE VS. TIME
FOR NODES 2, 3, 4, AND 5
(BREAK IN NODE 8)



BYRON/BRAIDWOOD STATIONS
FINAL SAFETY ANALYSIS REPORT

FIGURE C3.6-14

DIFFERENTIAL PRESSURE VS. TIME
FOR NODES 9, 10, 11, AND 12
(BREAK IN NODE 8)