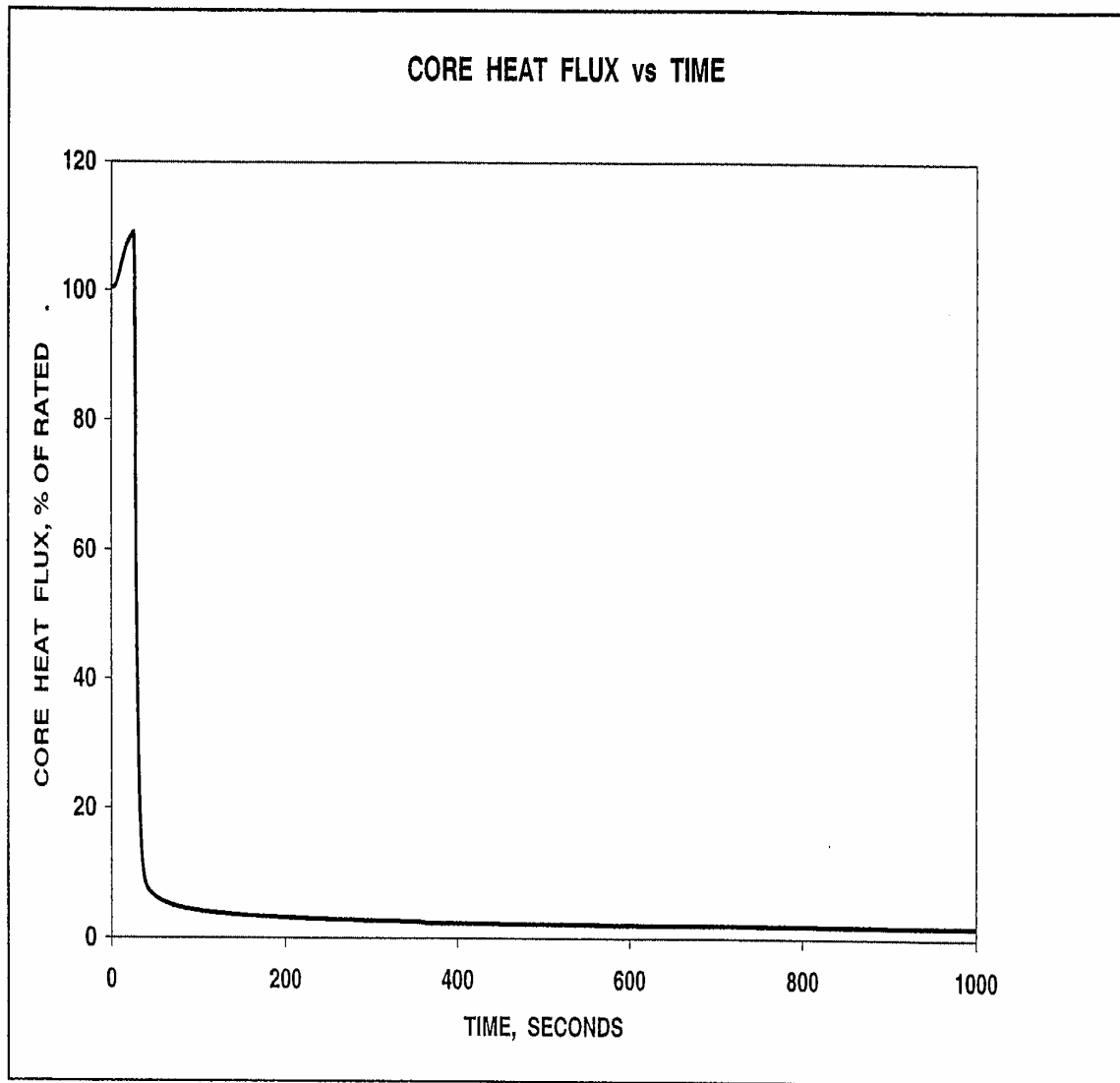


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Core Power vs. Time

Figure
15.1-1

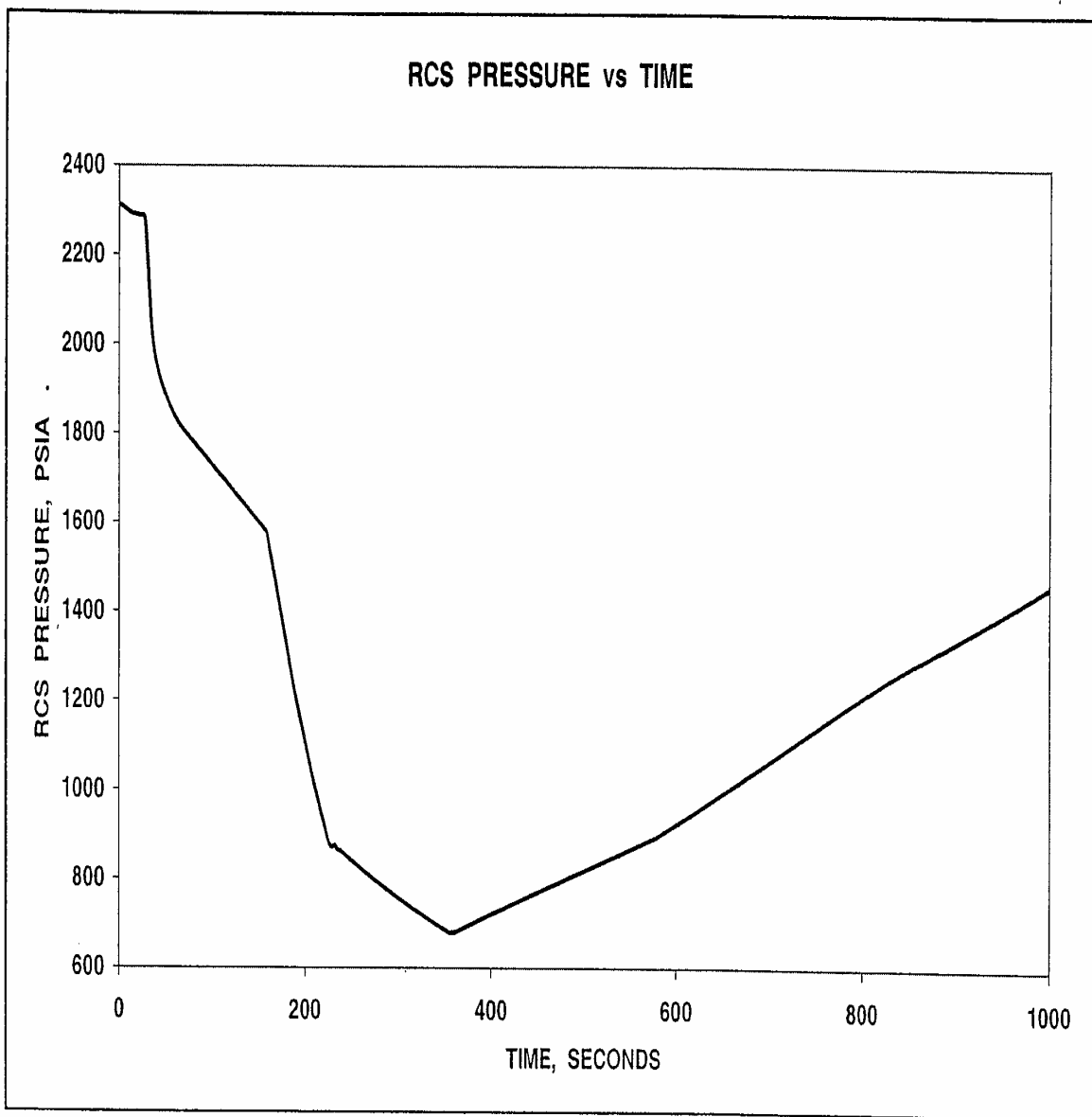


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Core Average Heat Flux vs. Time

Figure
15.1-2

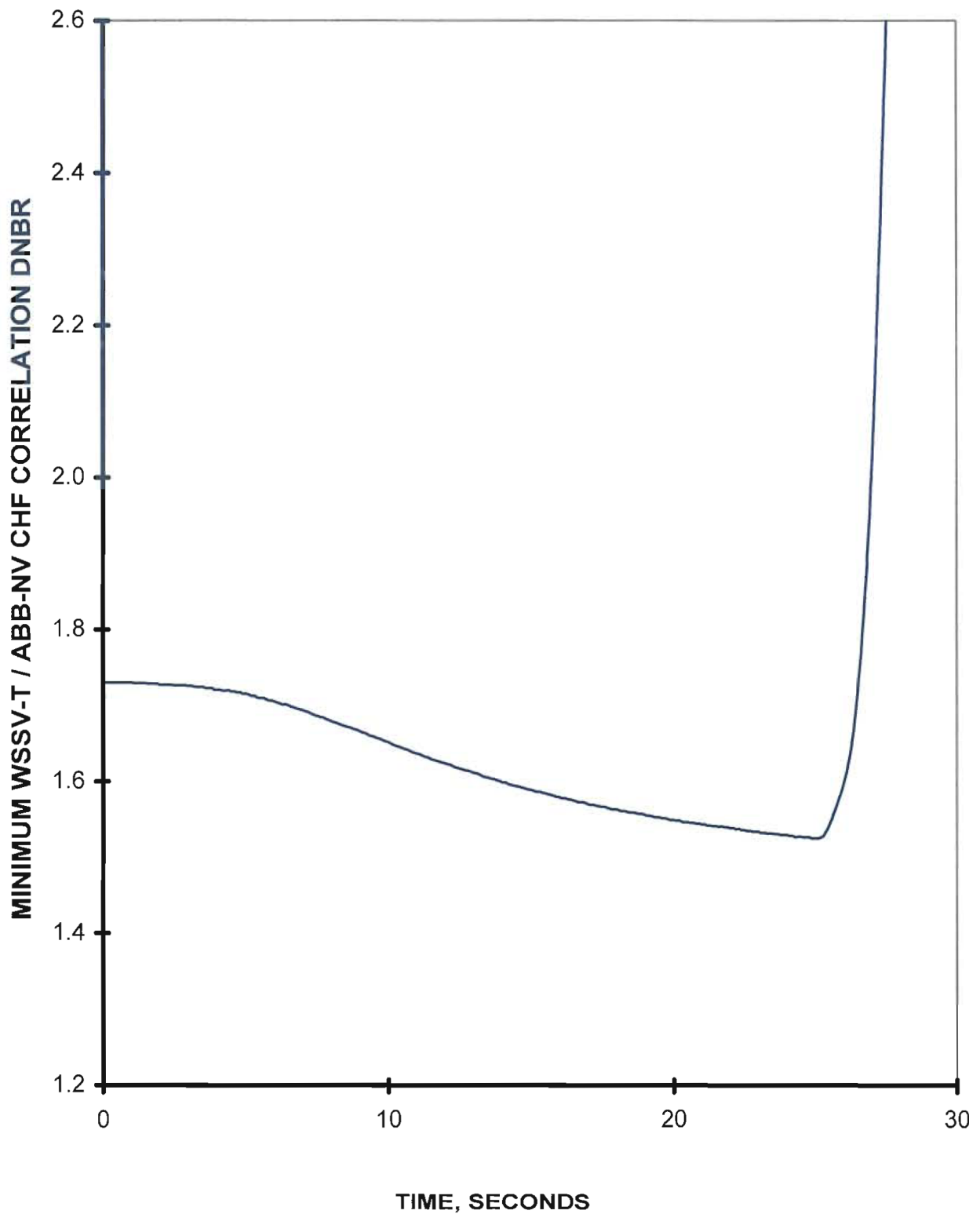


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Reactor Coolant System Pressure vs. Time

Figure
15.1-3

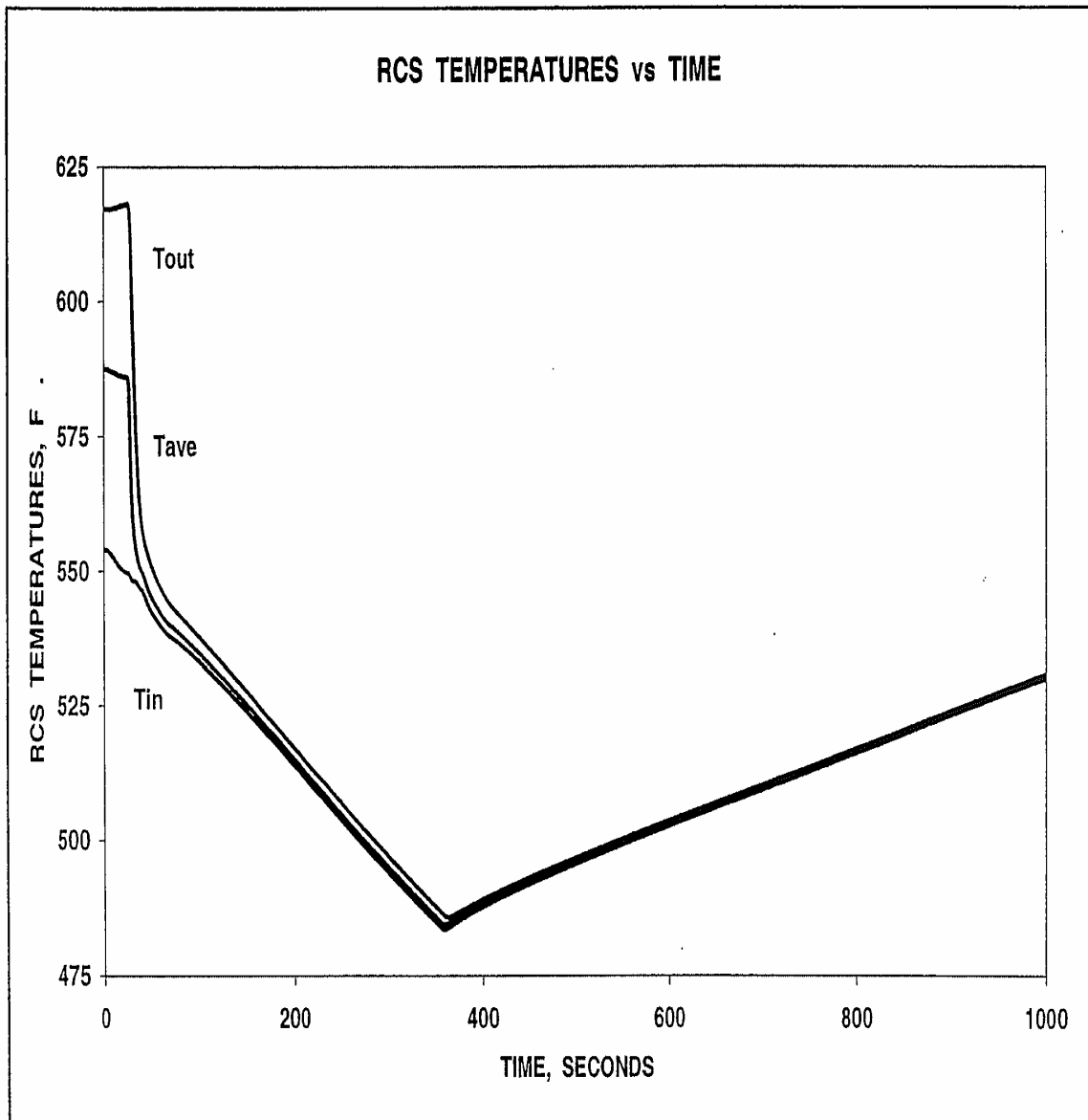


Revision 304 (06/10)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Minimum DNBR vs. Time

Figure
15.1-4

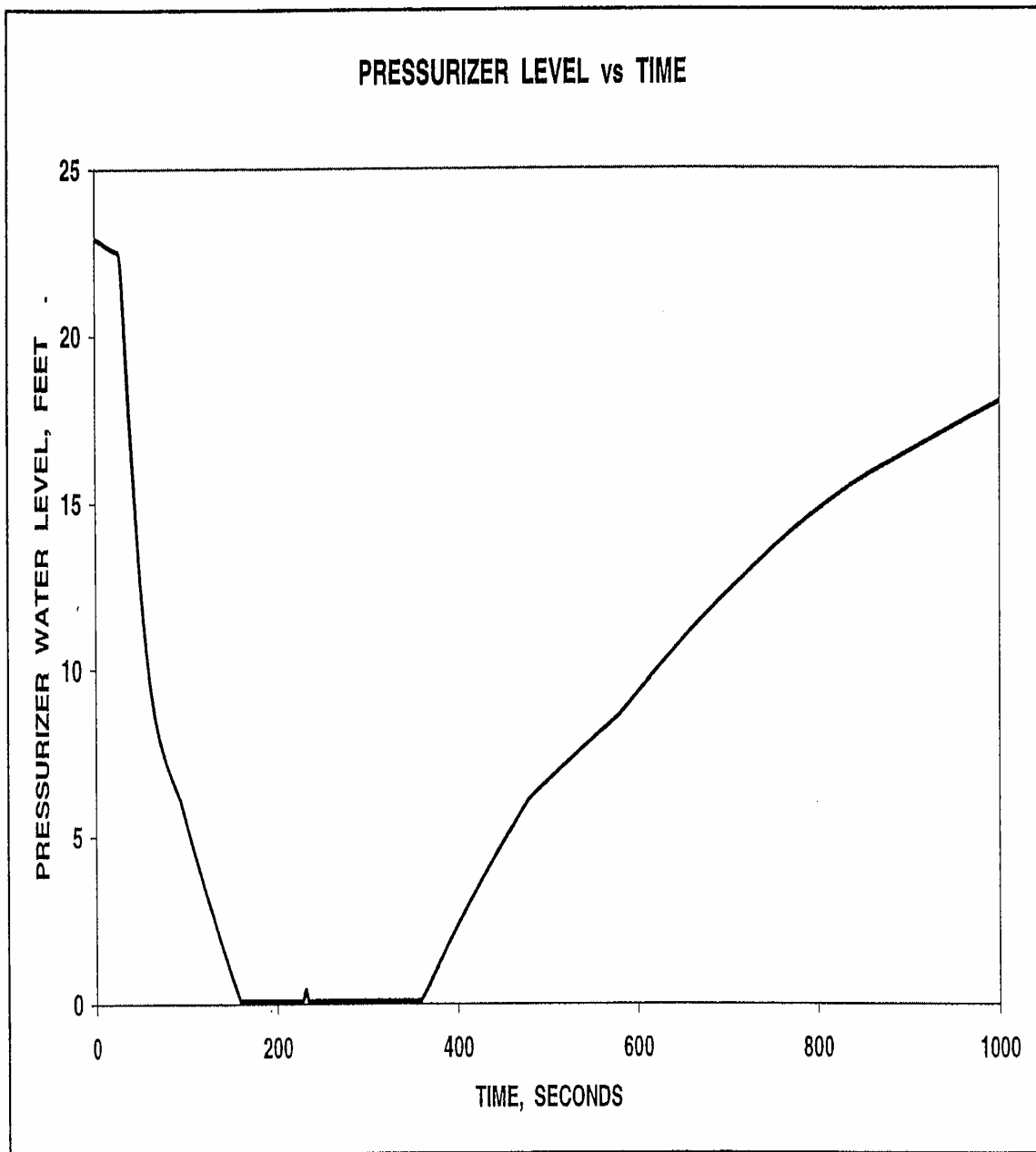


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Reactor Coolant System Temperatures vs. Time

Figure
15.1-5

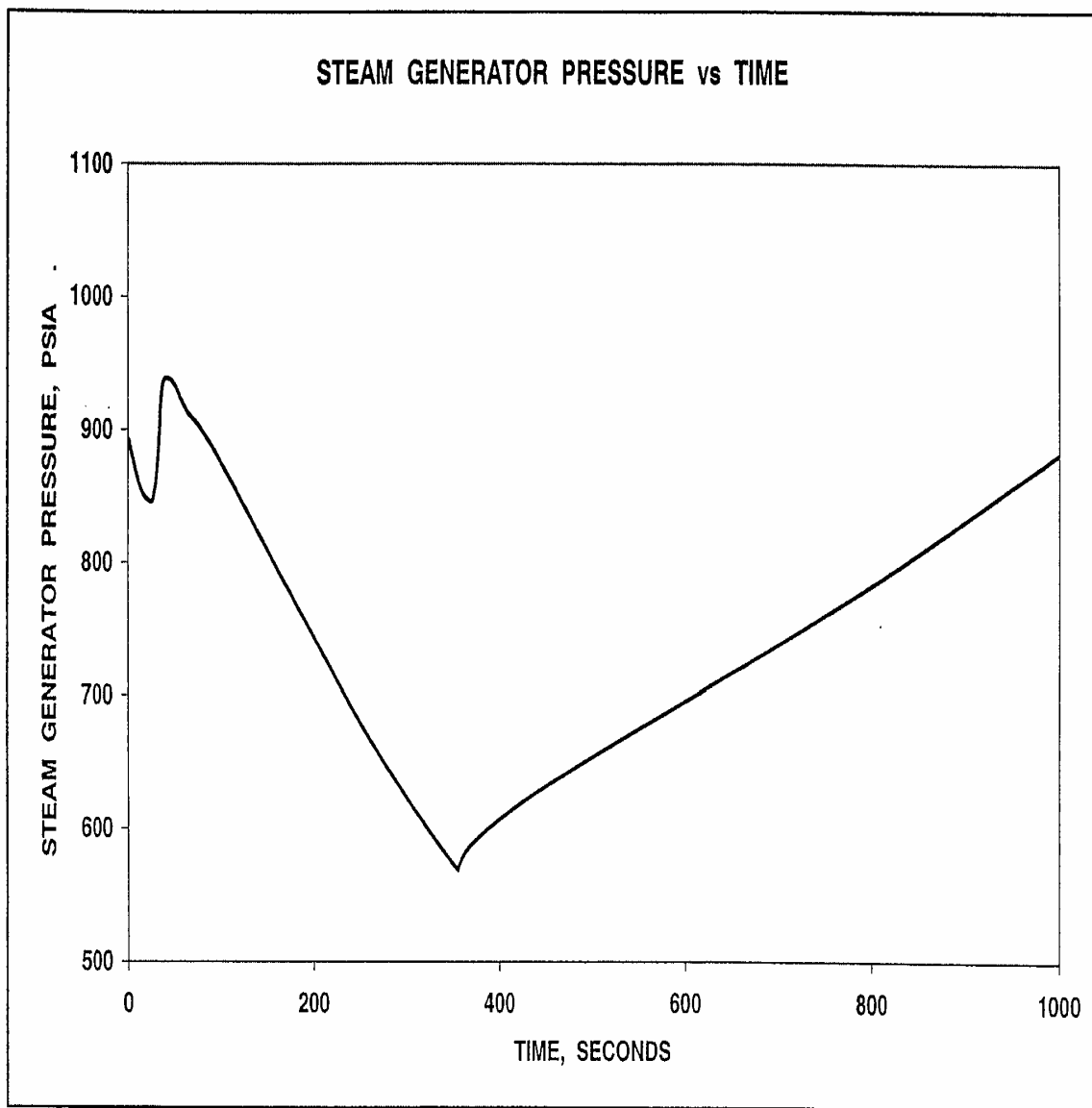


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Pressurizer Level vs. Time

Figure
15.1-6

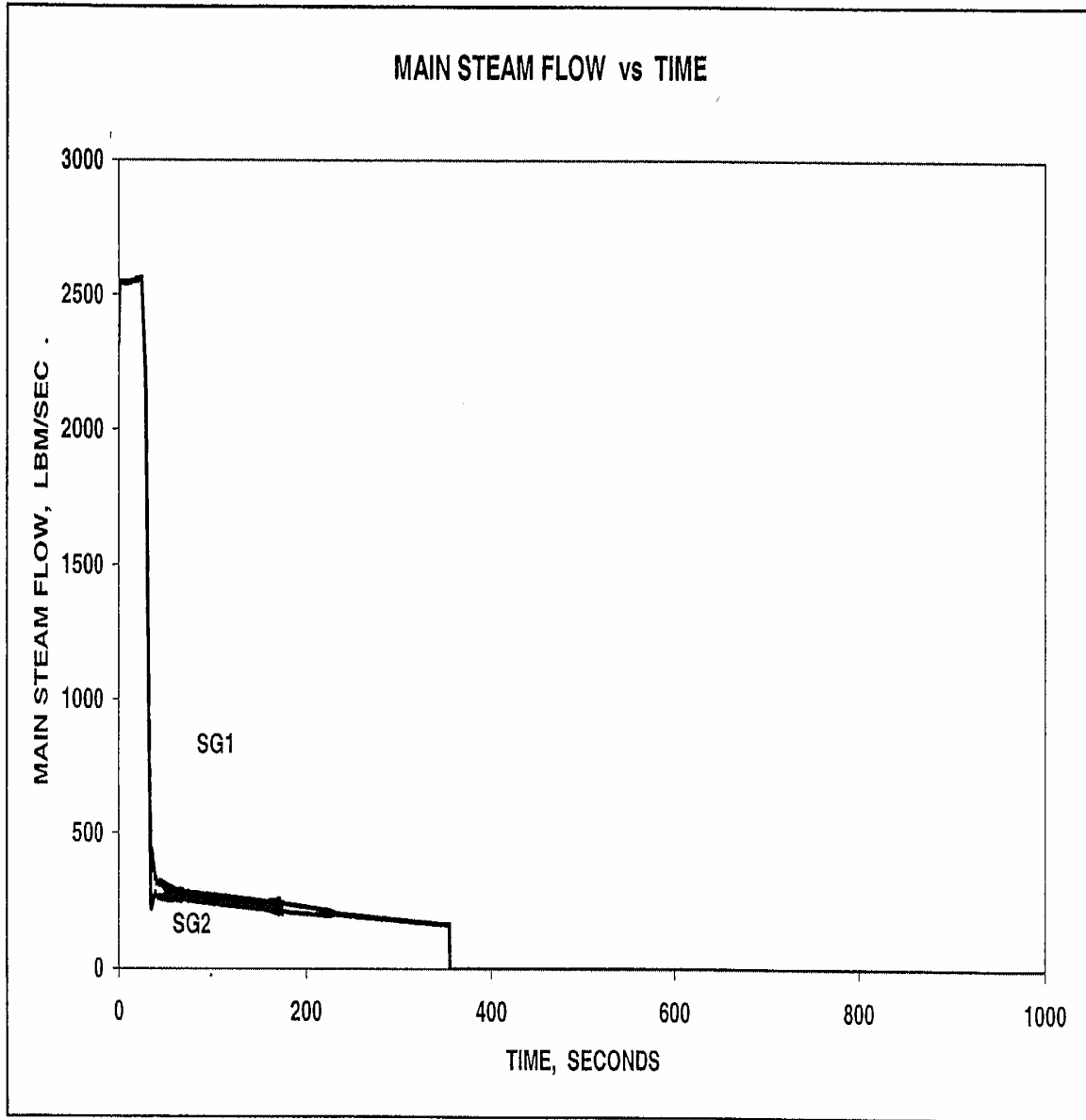


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Steam Generator Pressure vs. Time

Figure
15.1-7

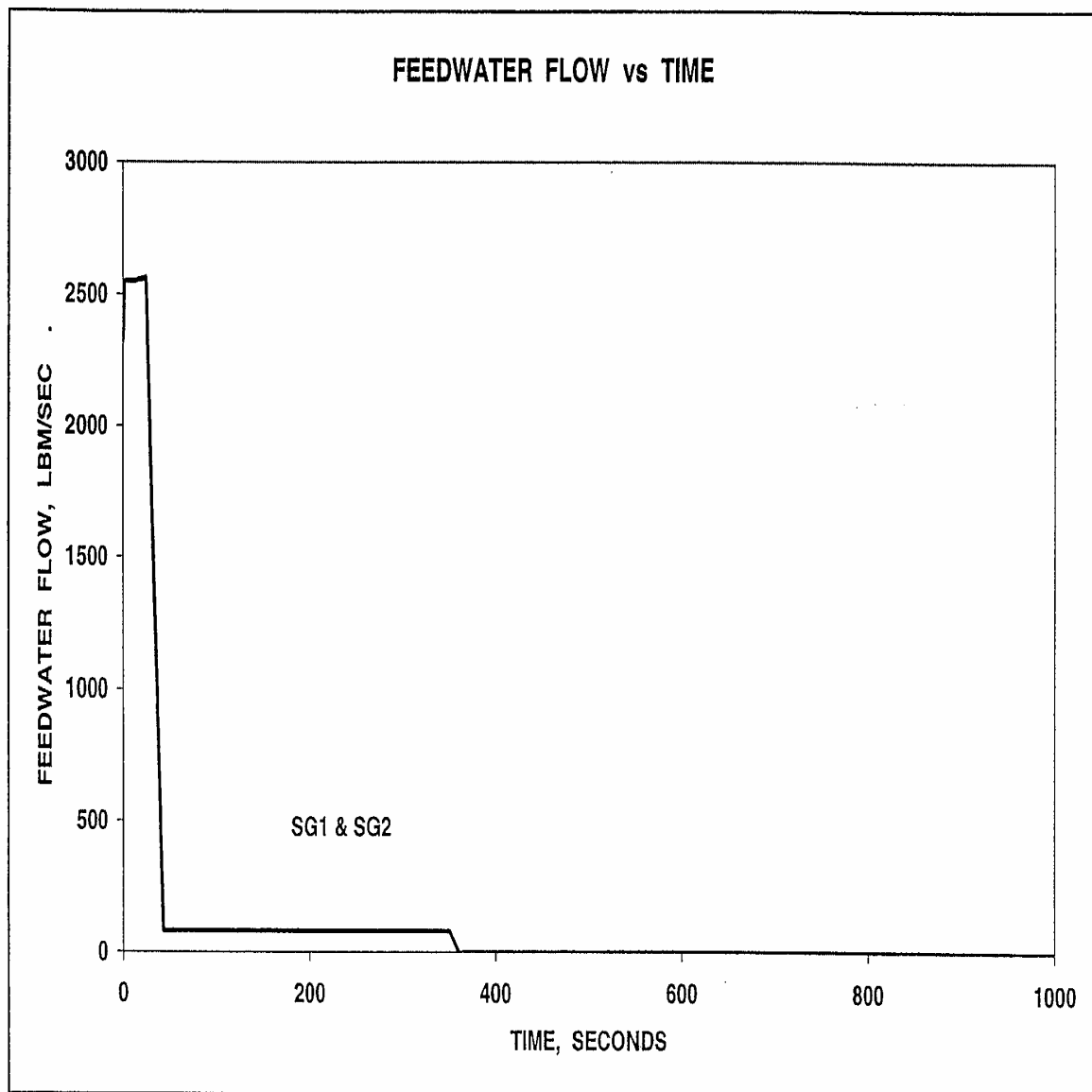


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Total Steam Flow vs. Time

Figure
15.1-8

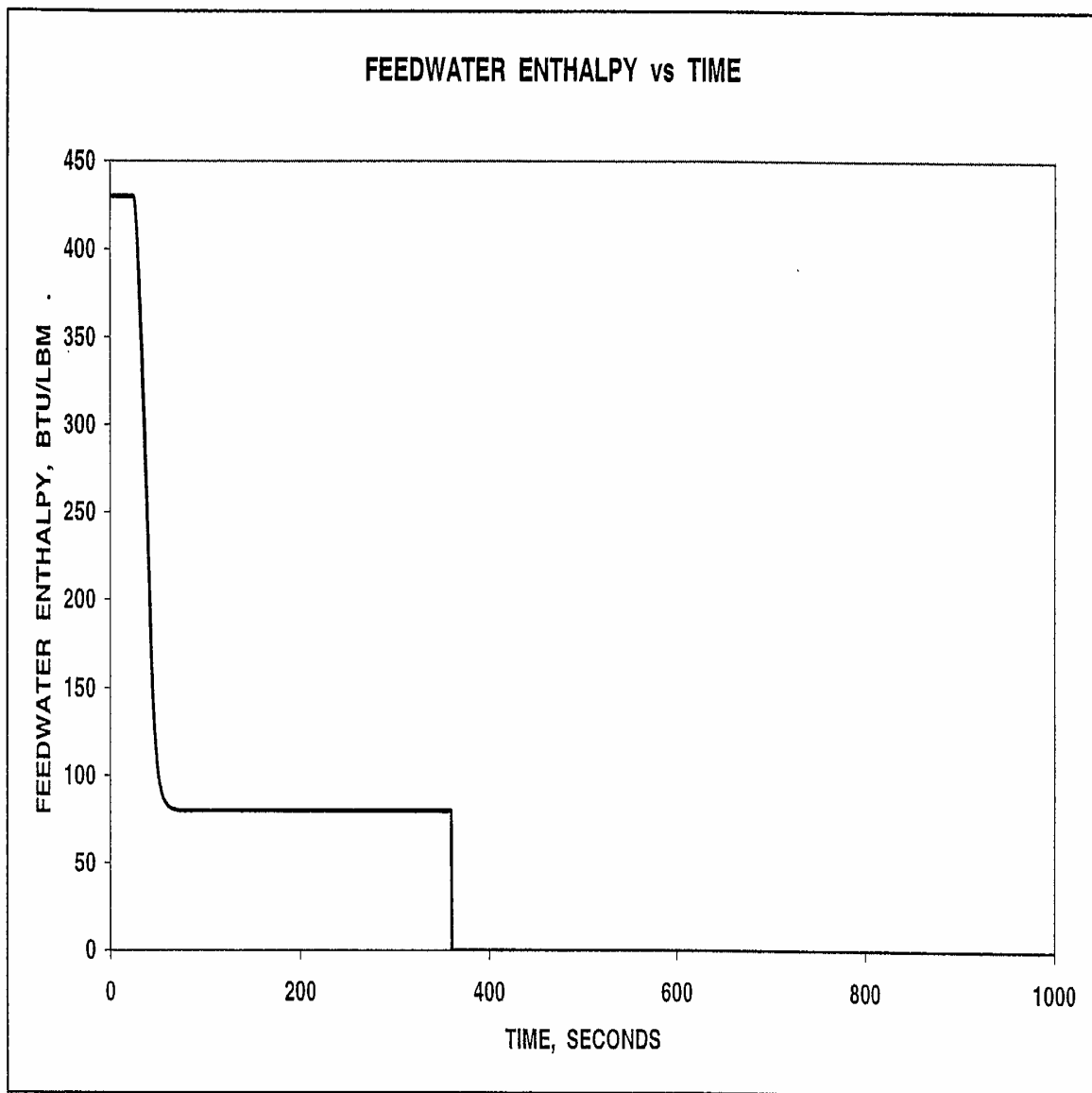


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Feedwater Flow vs. Time

Figure
15.1-9

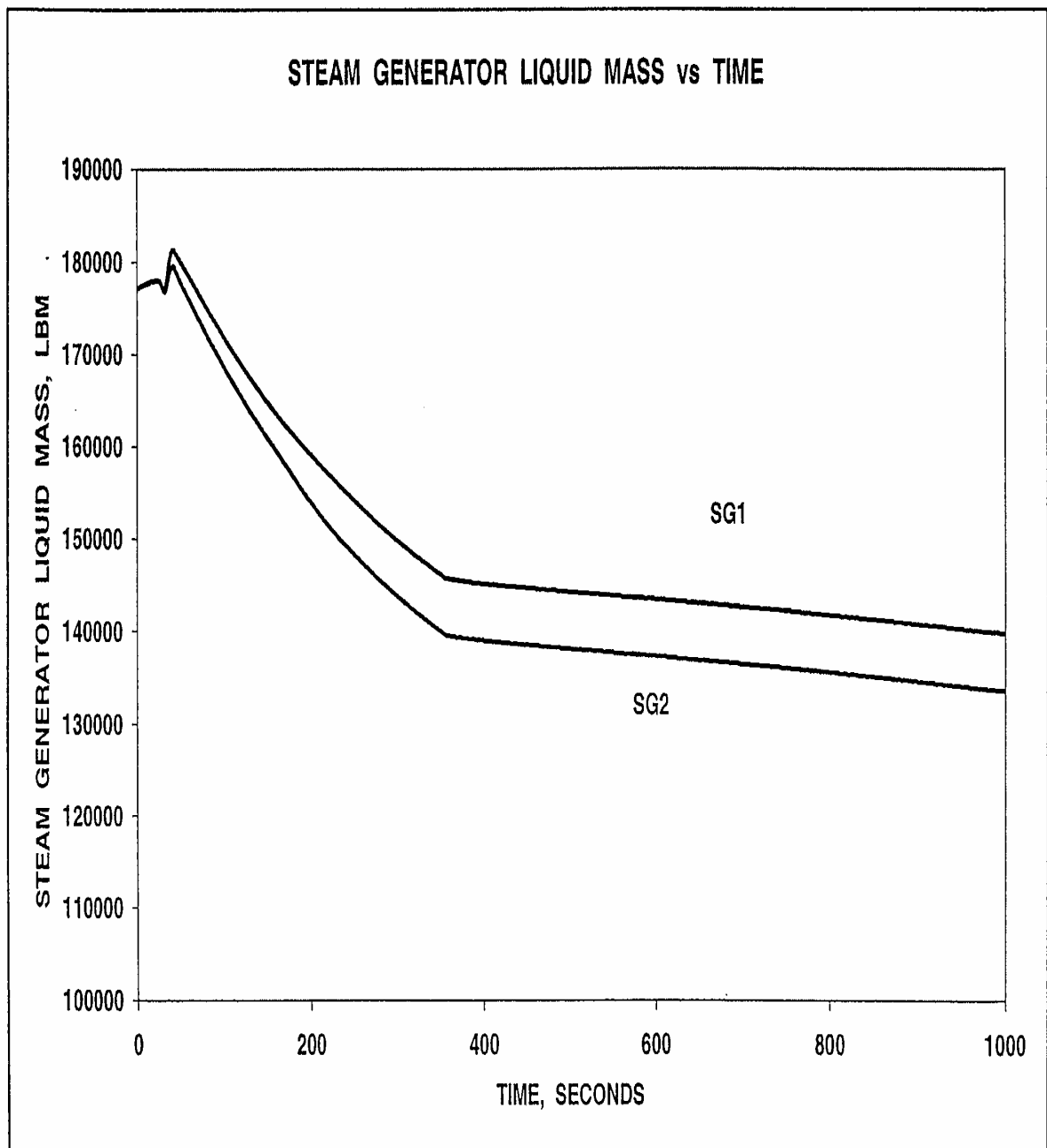


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Feedwater Enthalpy vs. Time

Figure
15.1-10

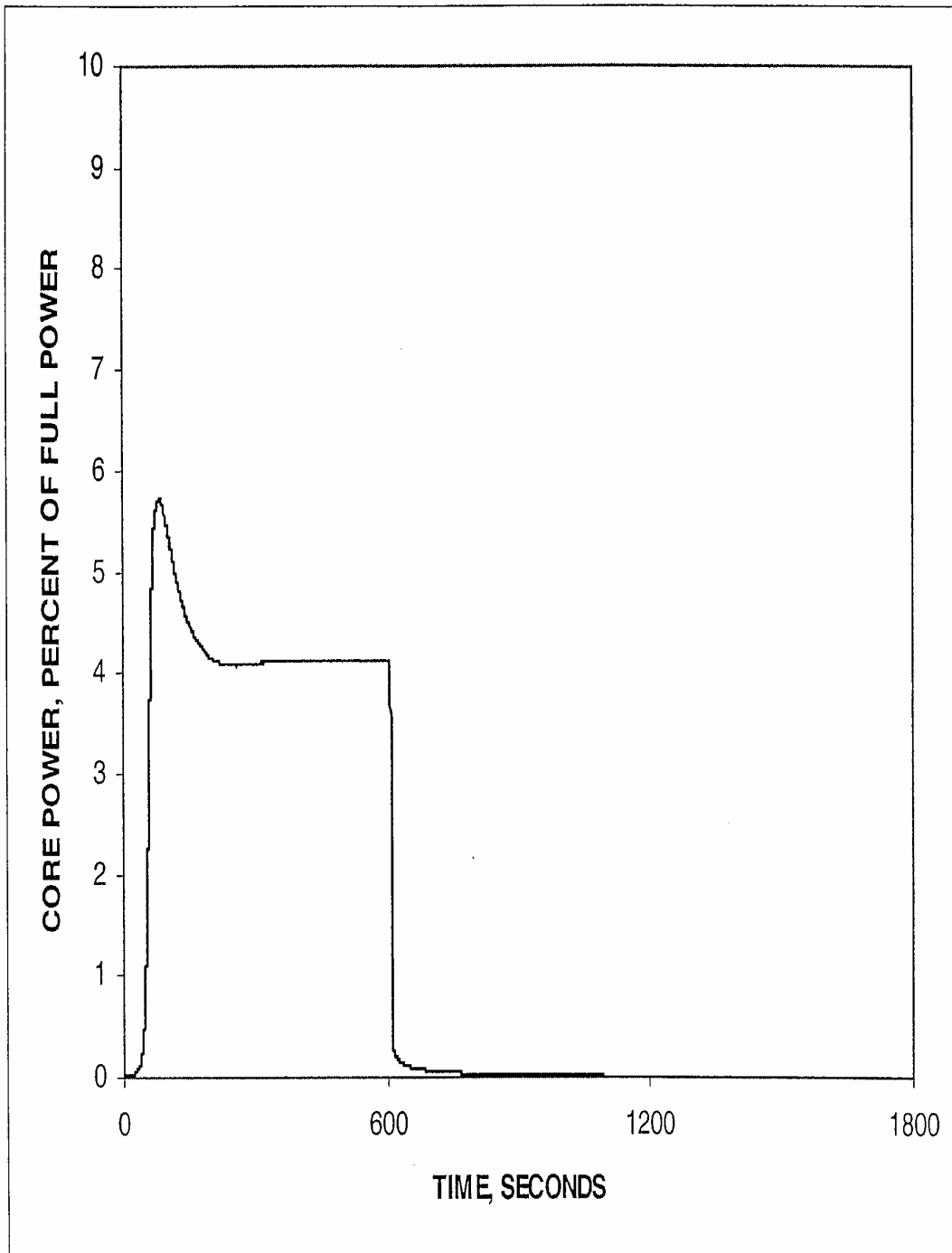


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow
Steam Generator Liquid Mass vs. Time

Figure
15.1-11

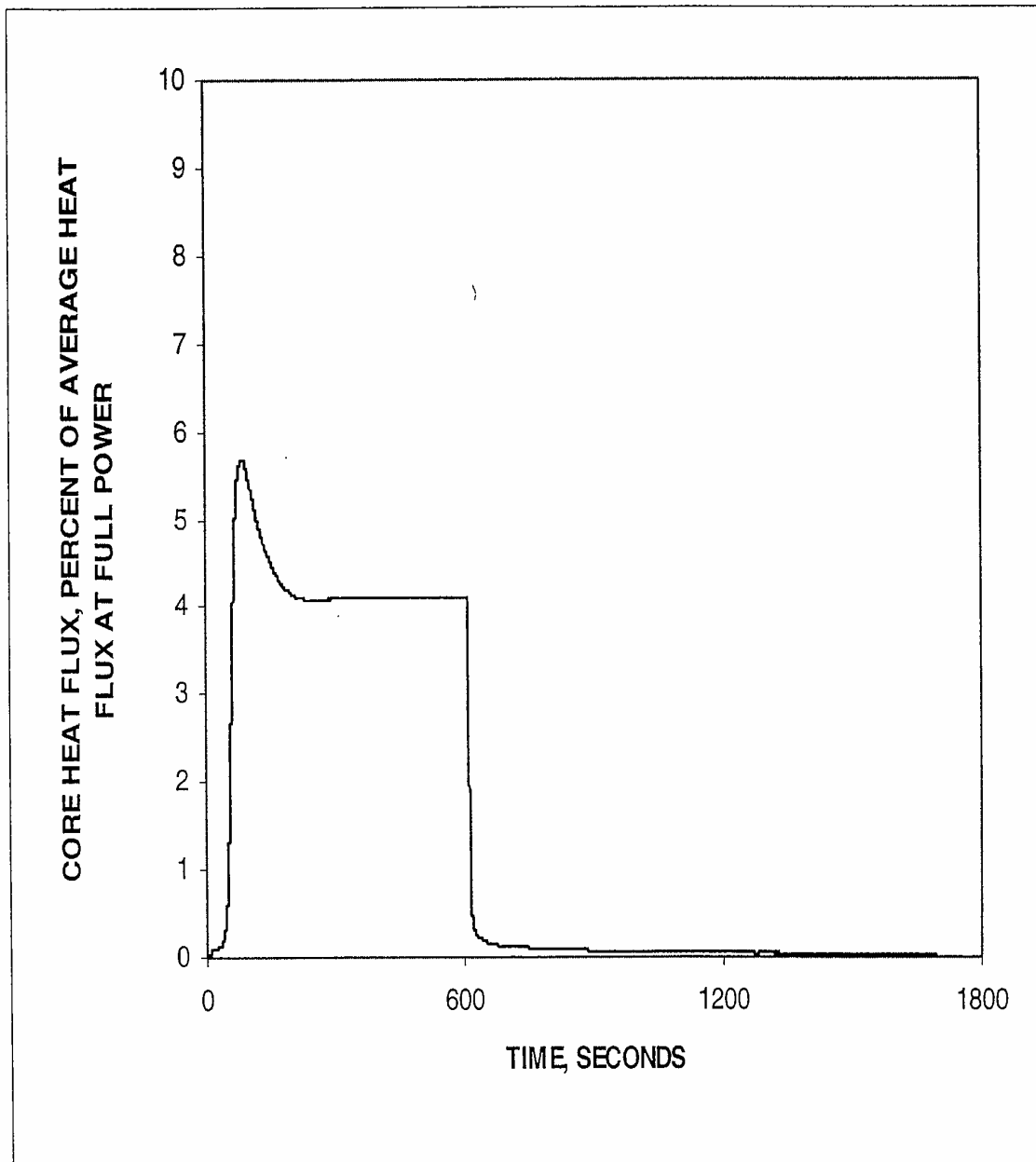


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Inadvertent Opening of a Steam Generator Atmospheric Dump Valve
Core Power vs. Time

Figure
15.1-12

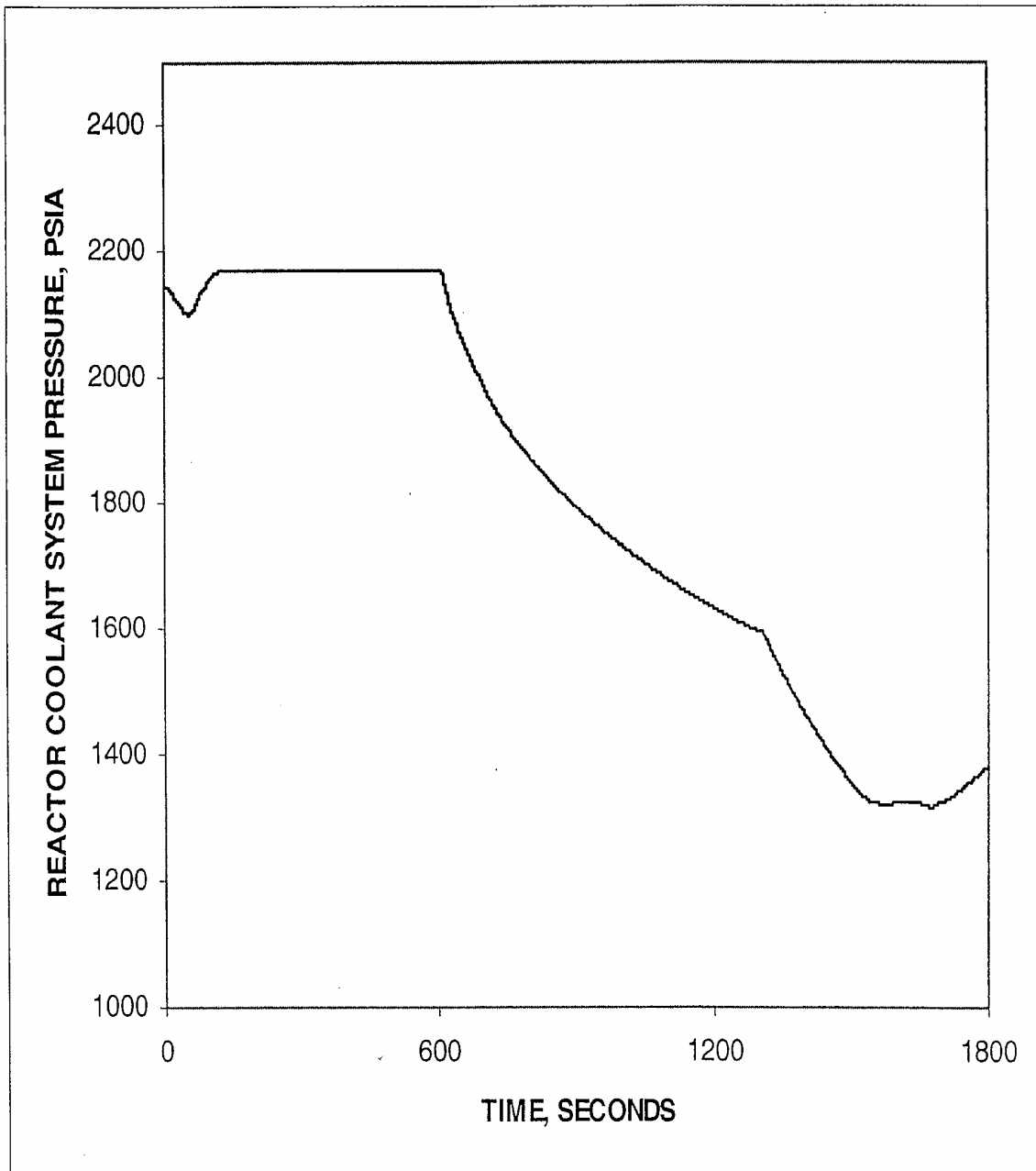


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Inadvertent Opening of a Steam Generator Atmospheric Dump Valve
Core Heat Flux vs. Time

Figure
15.1-13

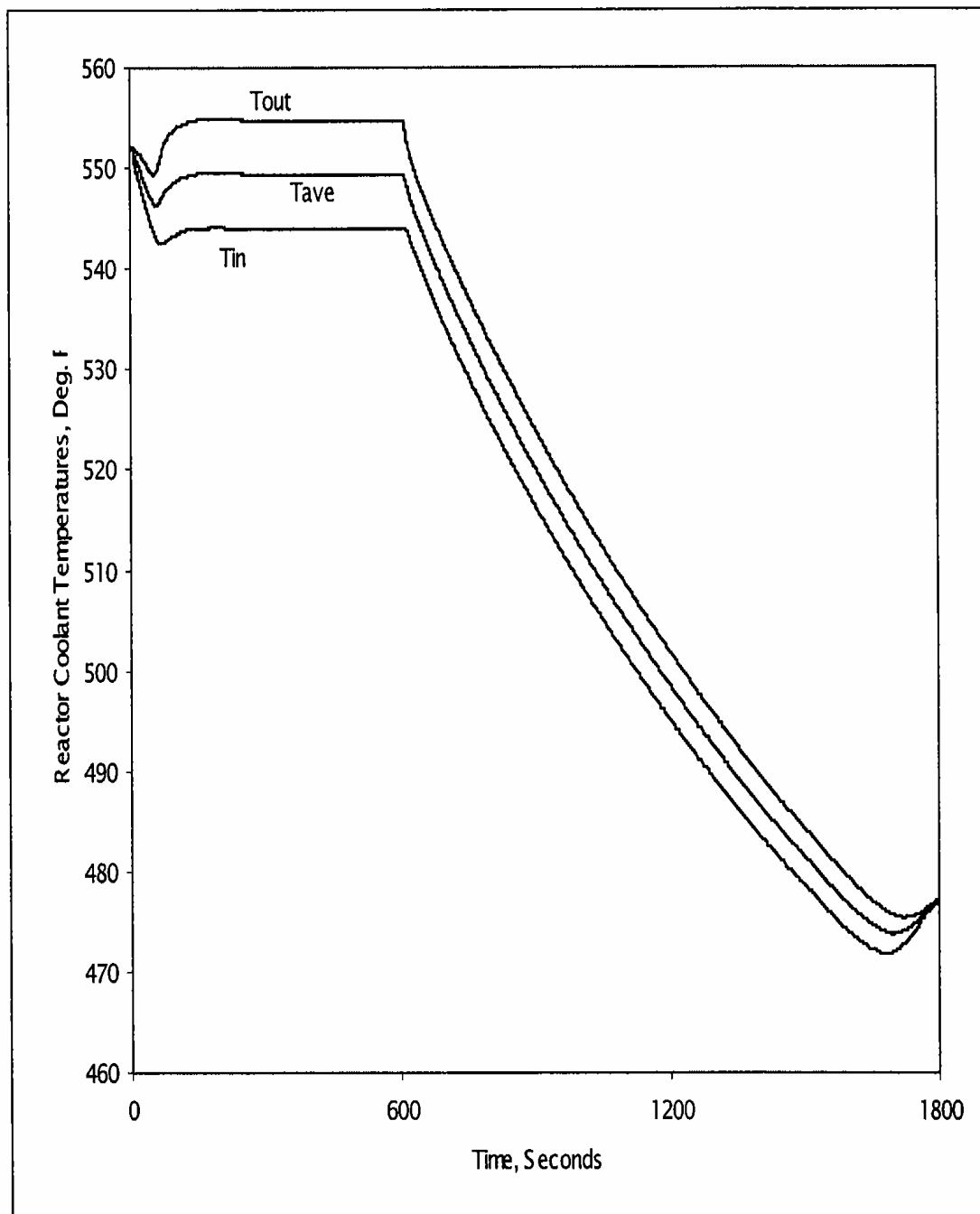


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Inadvertent Opening of a Steam Generator Atmospheric Dump Valve
RCS Pressure vs. Time

Figure
15.1-14

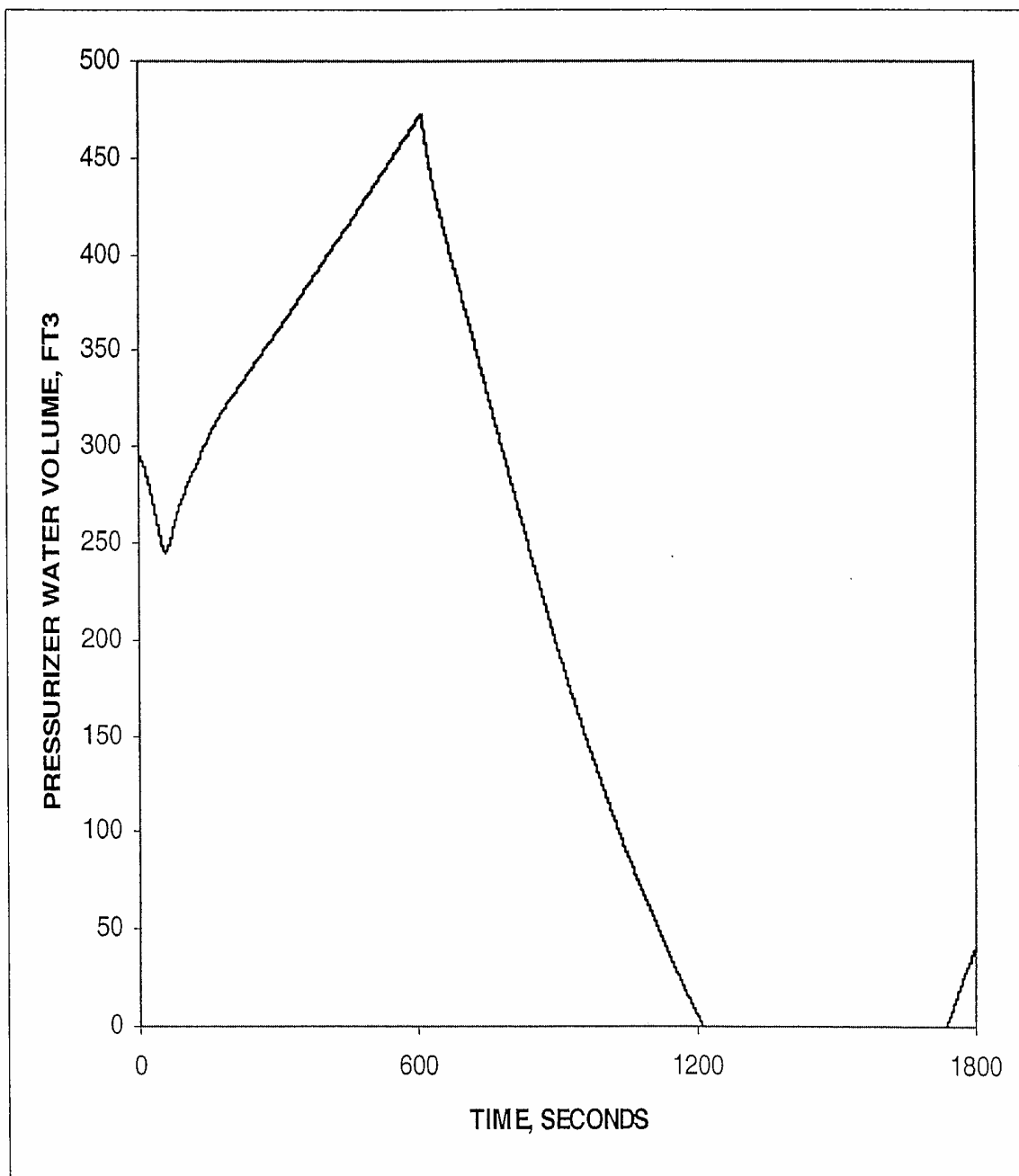


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Inadvertent Opening of a Steam Generator Atmospheric Dump Valve
Reactor Coolant Temperature vs. Time

Figure
15.1-15

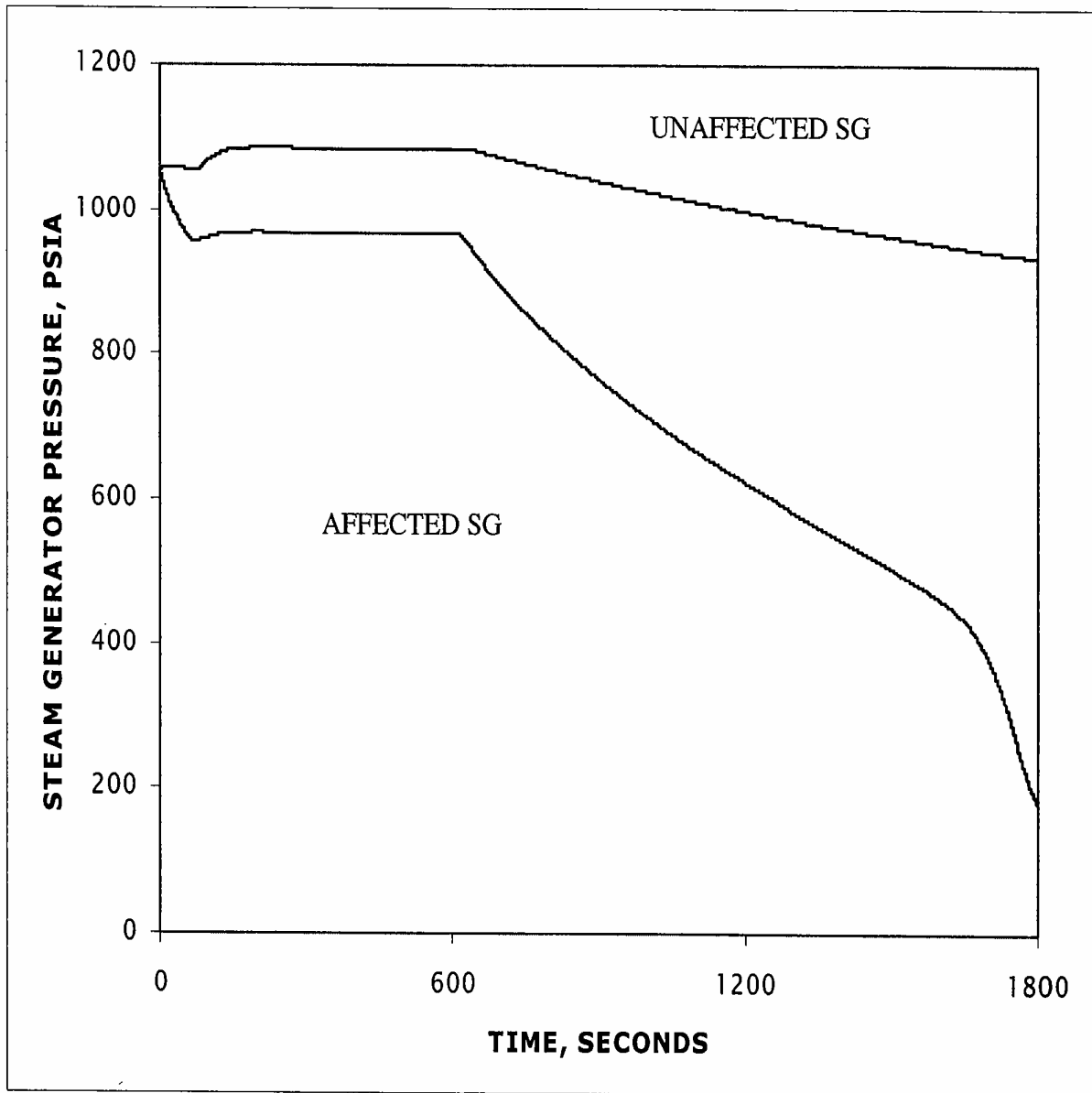


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Inadvertent Opening of a Steam Generator Atmospheric Dump Valve
Pressurizer Water Volume vs. Time

Figure
15.1-16

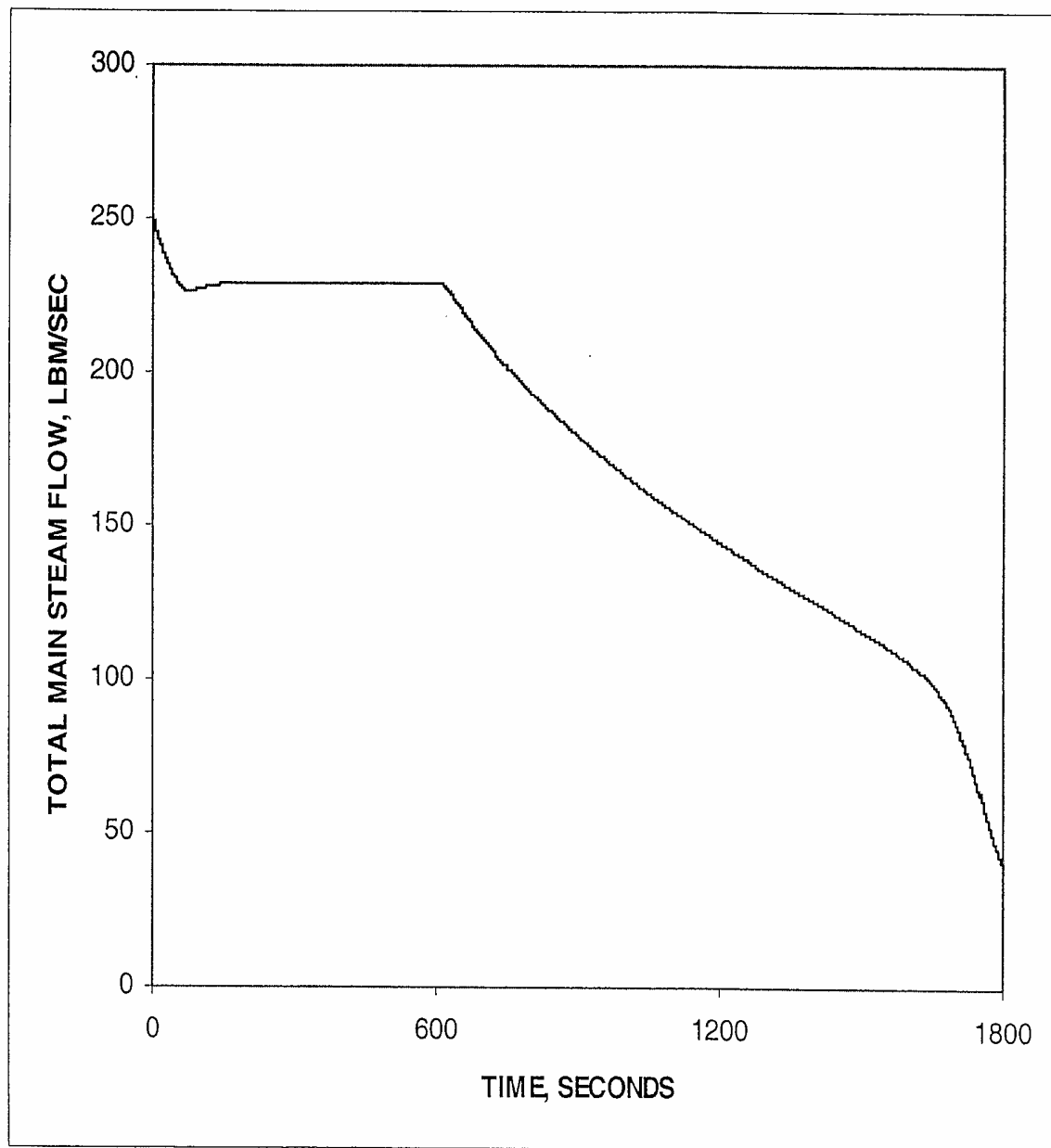


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Inadvertent Opening of a Steam Generator Atmospheric Dump Valve
Steam Generator Pressure vs. Time

Figure
15.1-17

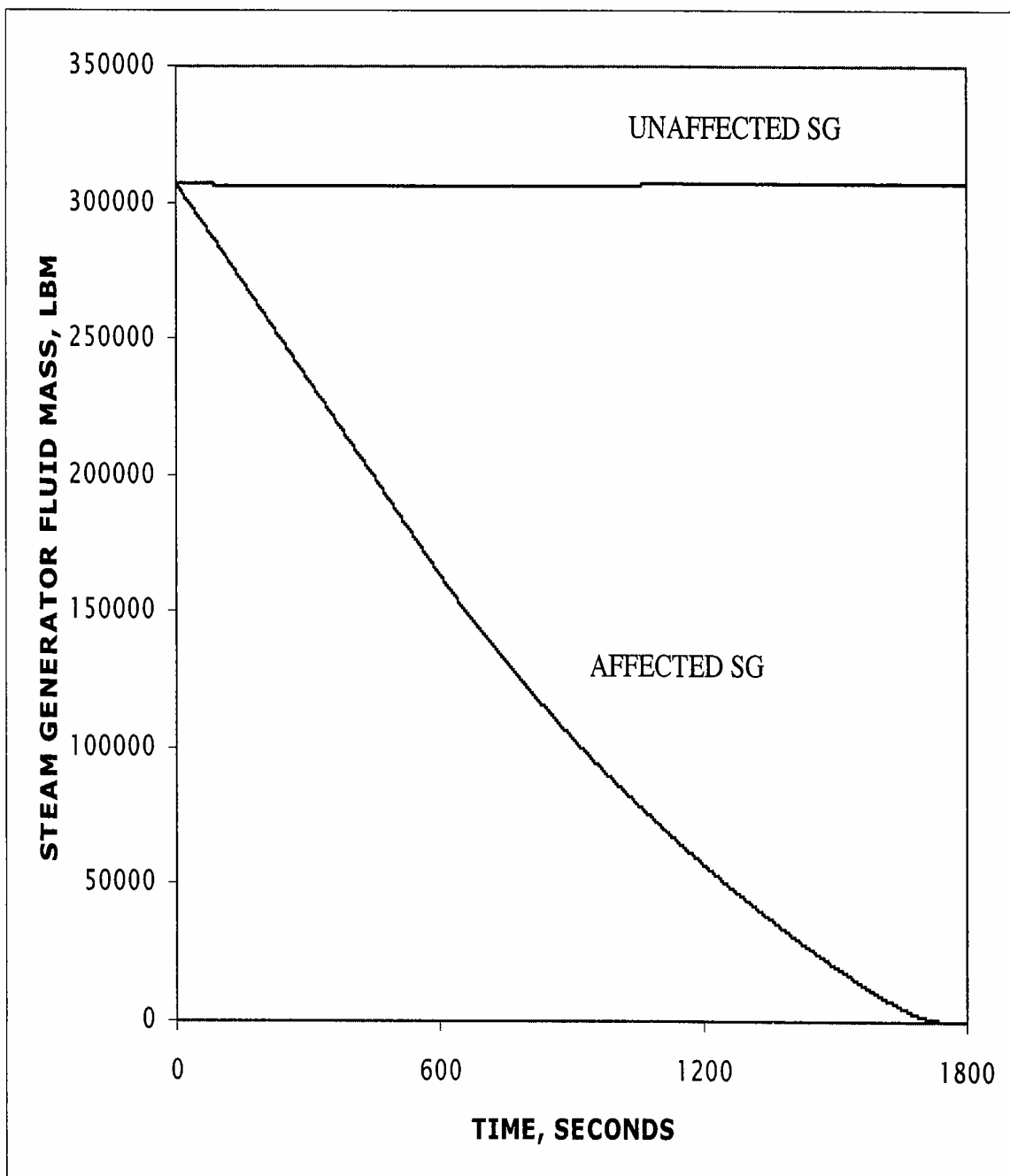


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Inadvertent Opening of a Steam Generator Atmospheric Dump Valve
Total Main Steam Flow vs. Time

Figure
15.1-18

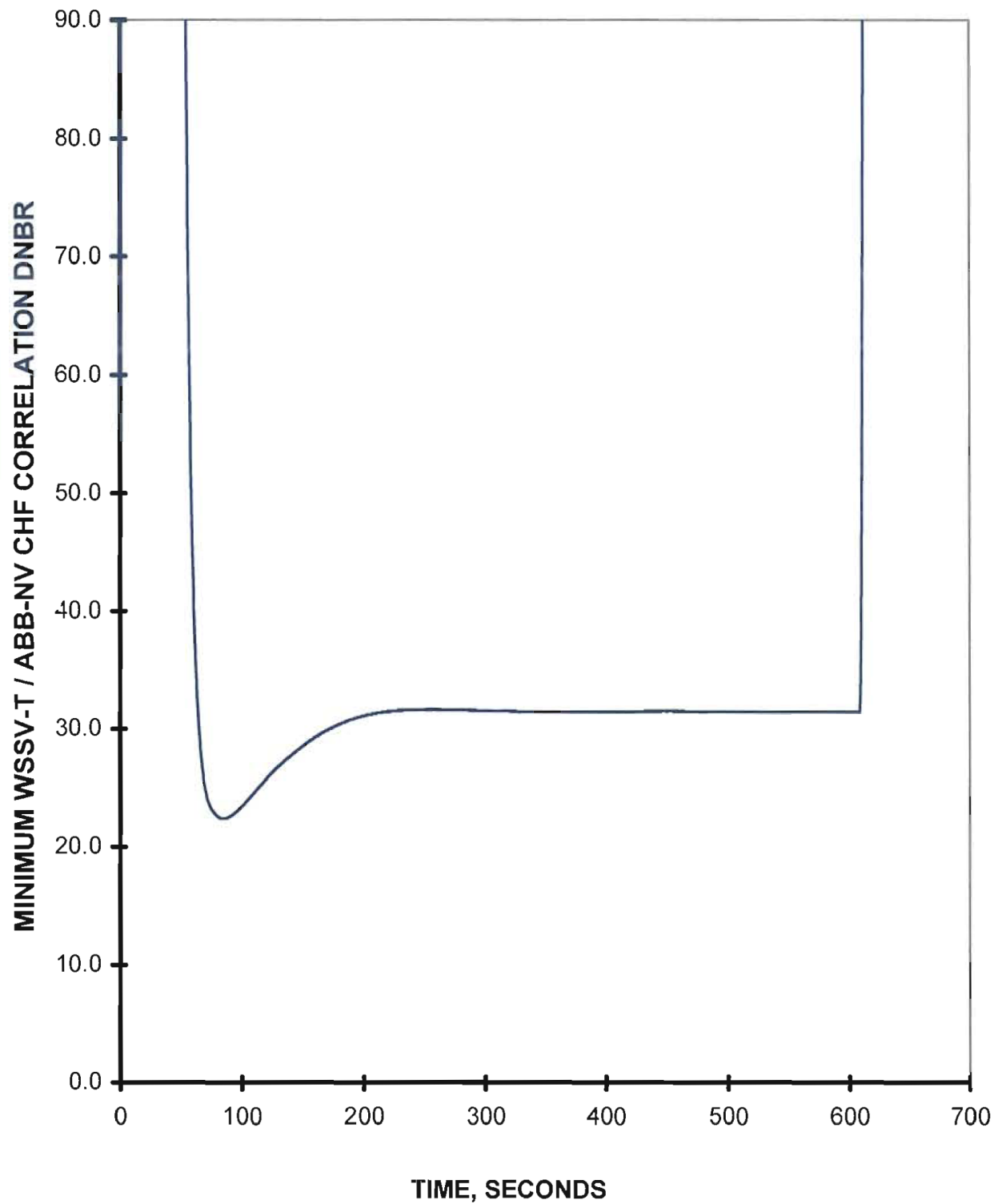


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Inadvertent Opening of a Steam Generator Atmospheric Dump Valve
Steam Generator Fluid Mass vs. Time

Figure
15.1-19

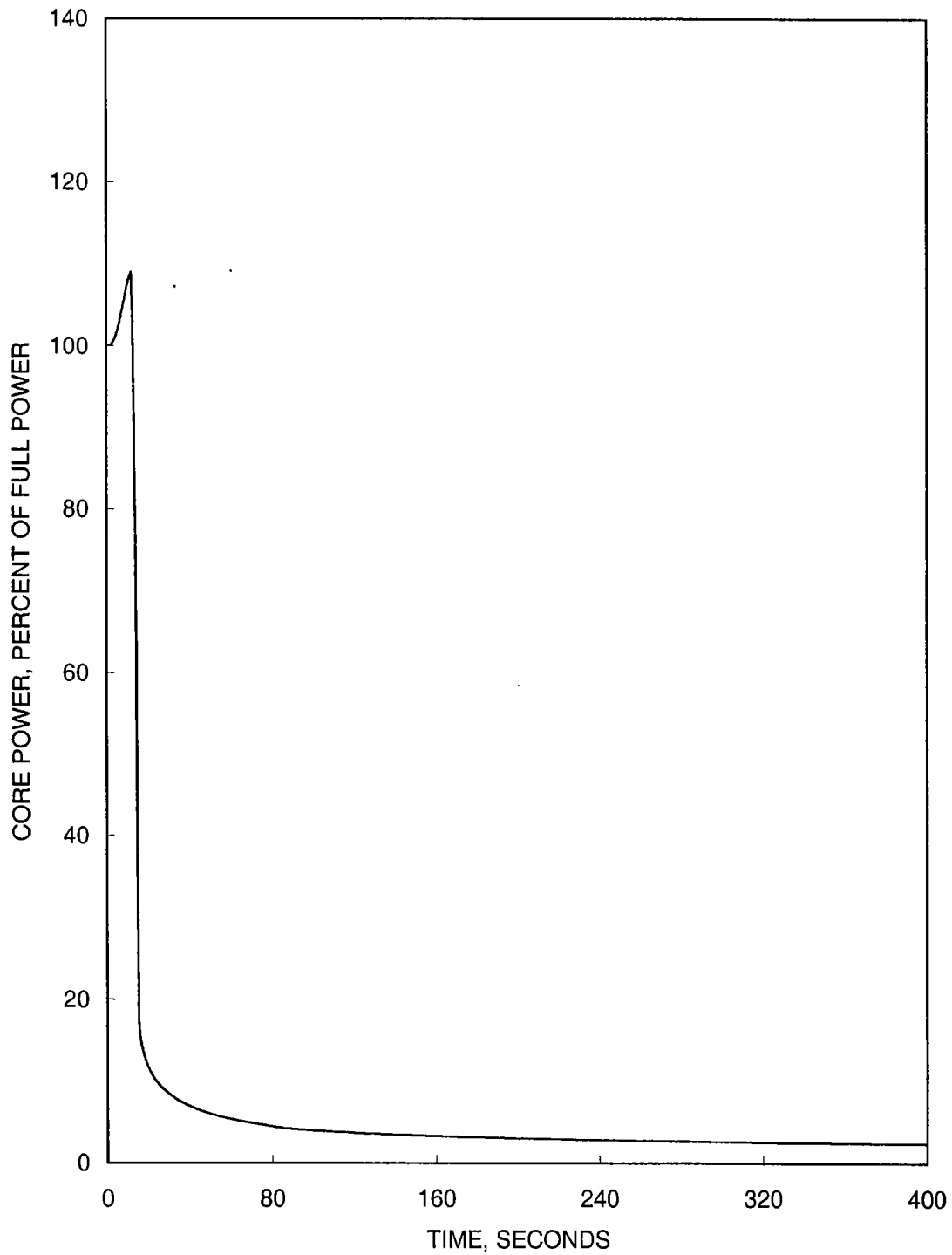


Revision 304 (06/10)

Waterford Steam
Electric Station #3

Inadvertent Opening of a Steam Generator Atmospheric Dump Valve
DNBR vs. Time

Figure
15.1-19a

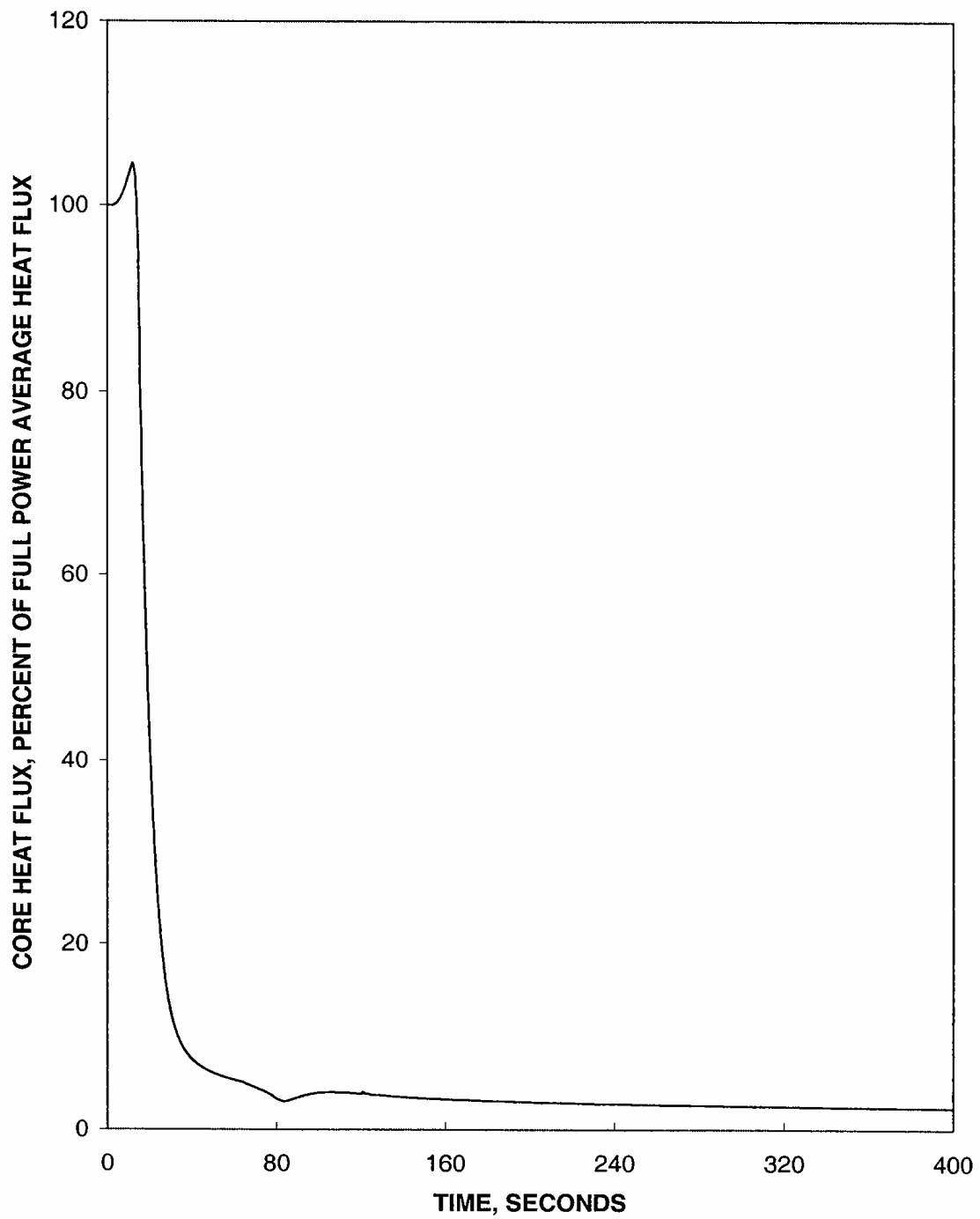


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure
Core Power vs. Time (Typical NSSS Response)

Figure
15.1-20

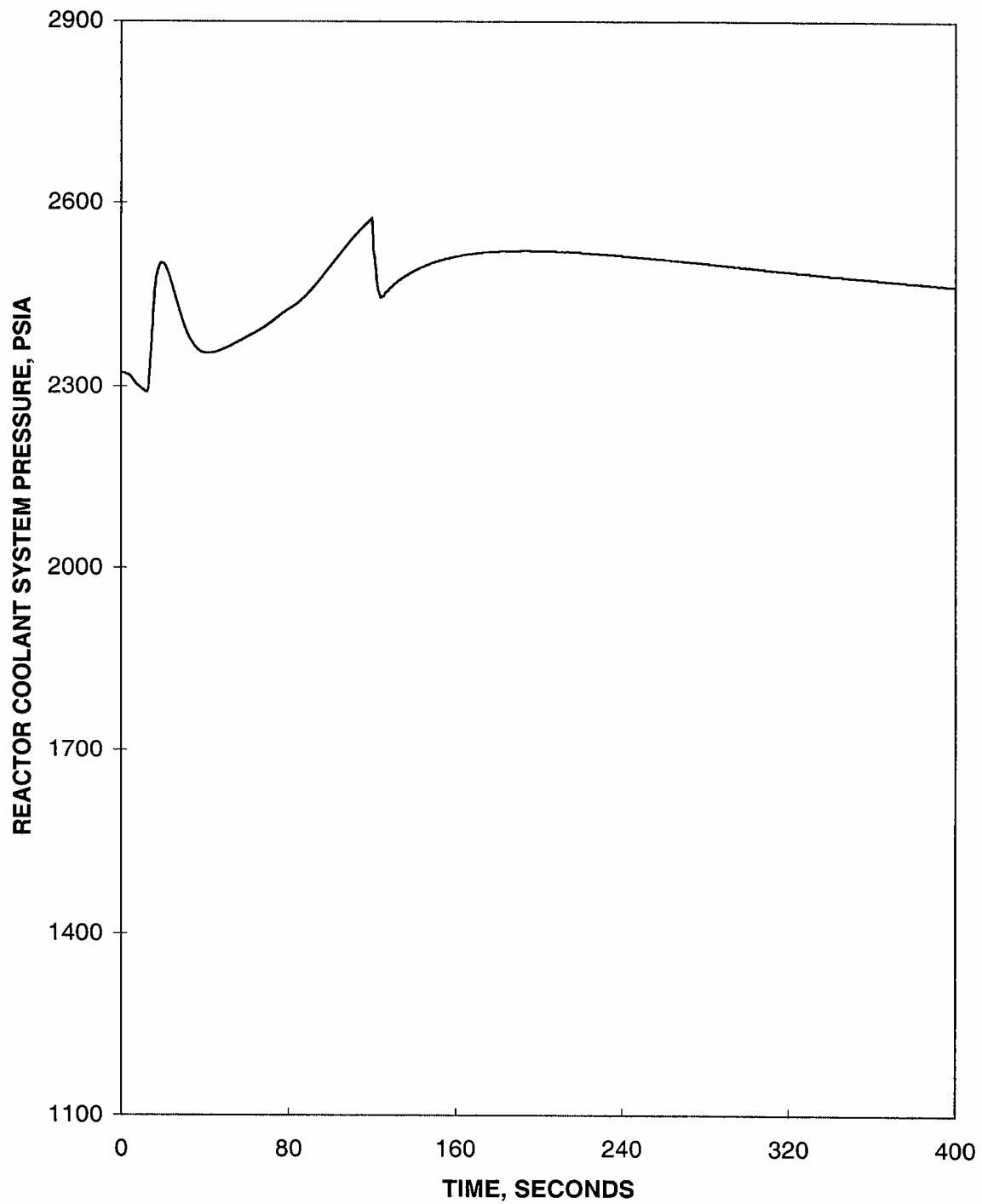


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increase Steam Flow with Concurrent Single Failure
Core Heat Flux vs. Time (Typical NSS Response)

Figure
15.1-21

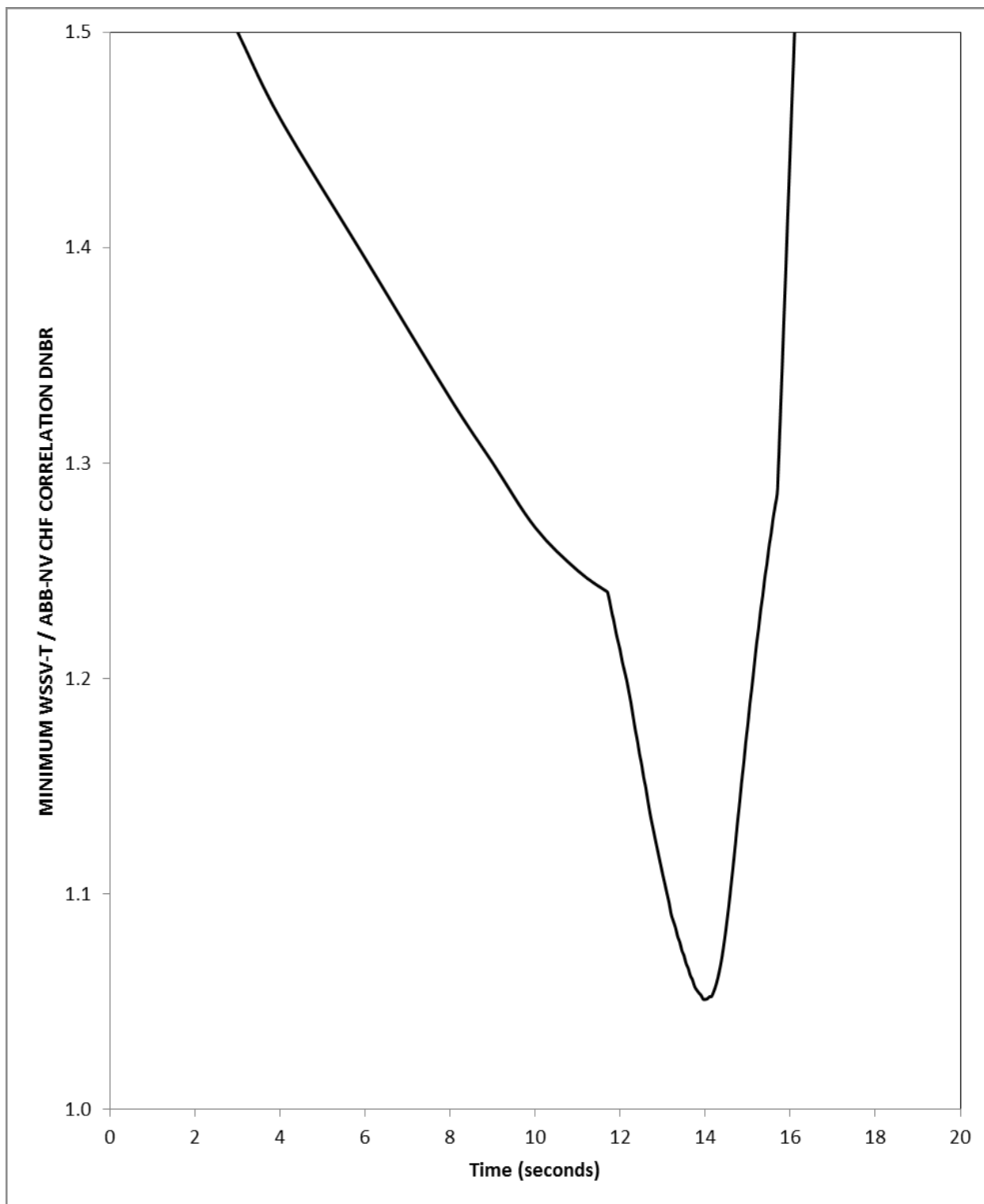


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure
RCS Pressure vs. Time (Typical NSSS Response)

Figure
15.1-22

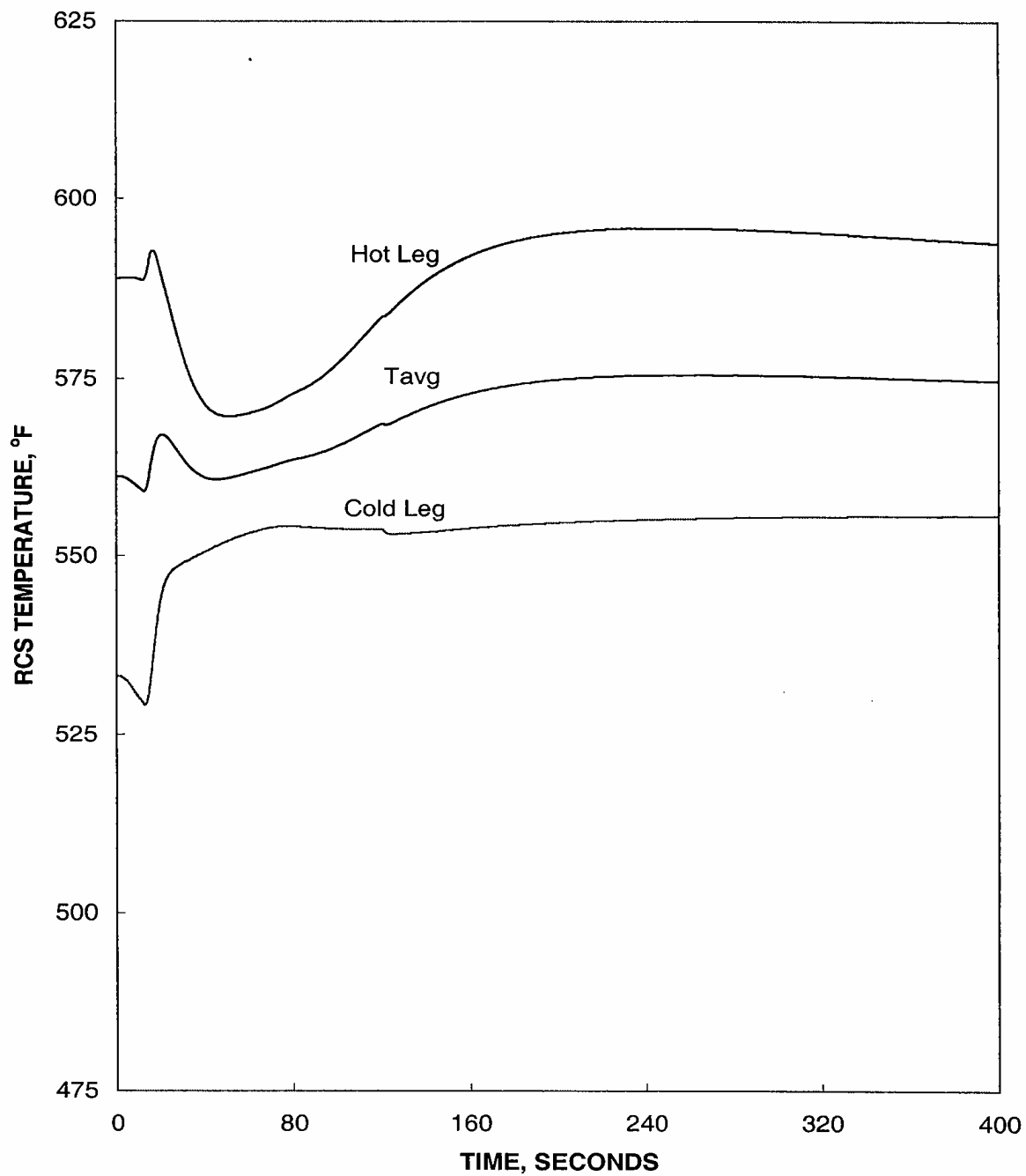


Revision 309 (06/16)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure Minimum
Hot Channel DNBR vs. Time

Figure
15.1-23

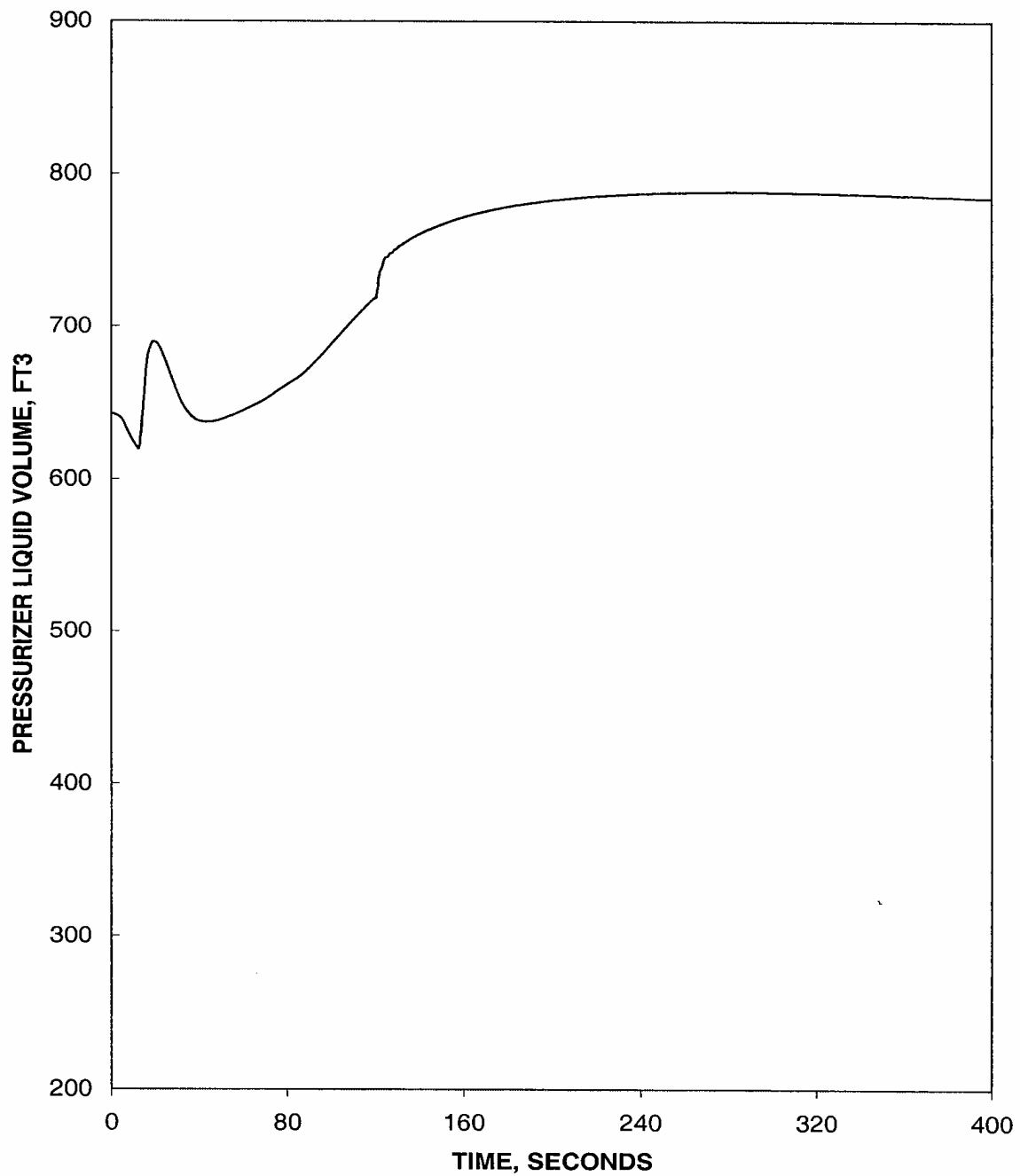


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure
Reactor Coolant Temperature vs. Time (Typical NSSS Response)

Figure
15.1-24

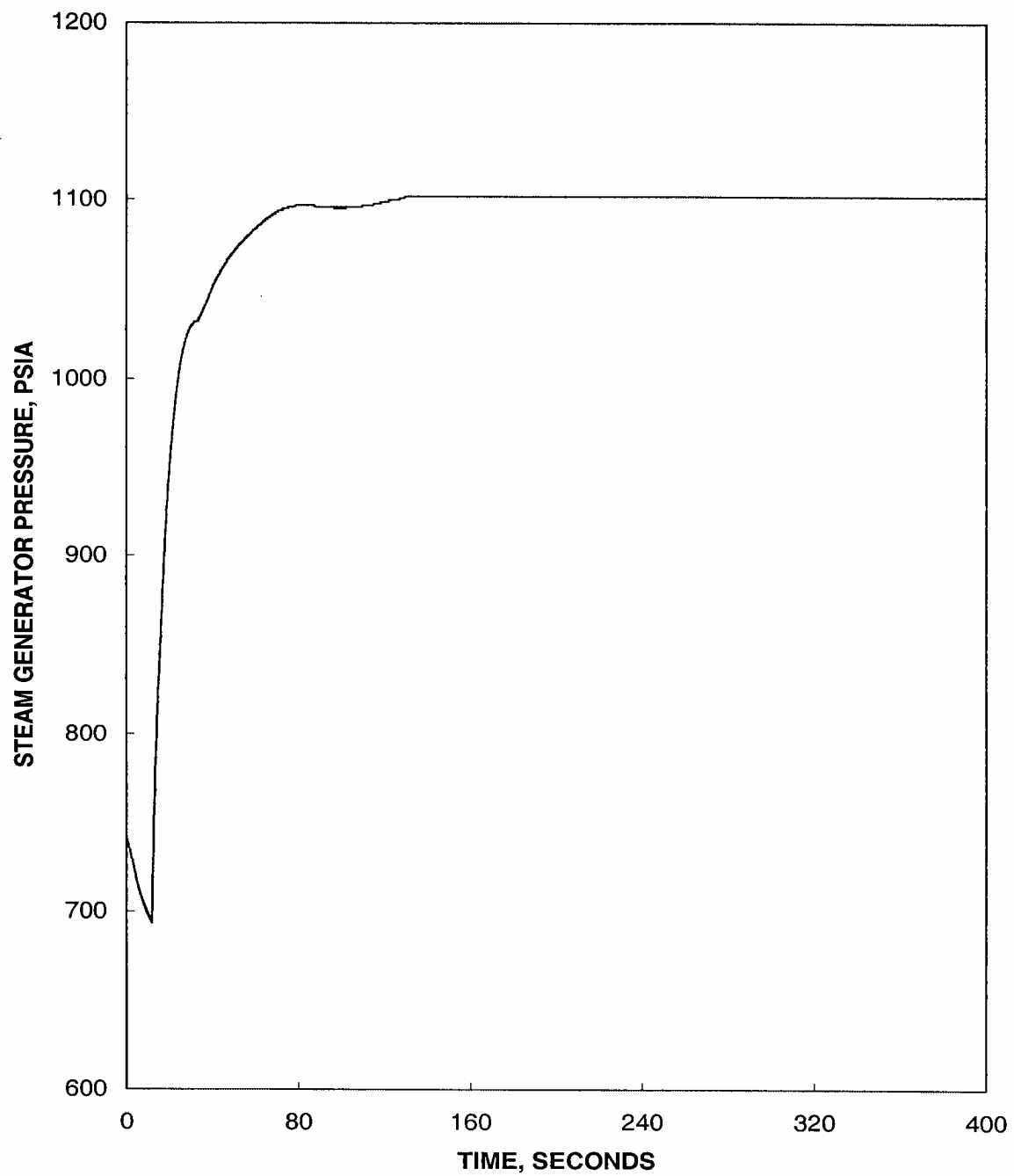


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure
Pressurizer Liquid Volume vs. Time (Typical NSSS Response)

Figure
15.1-25

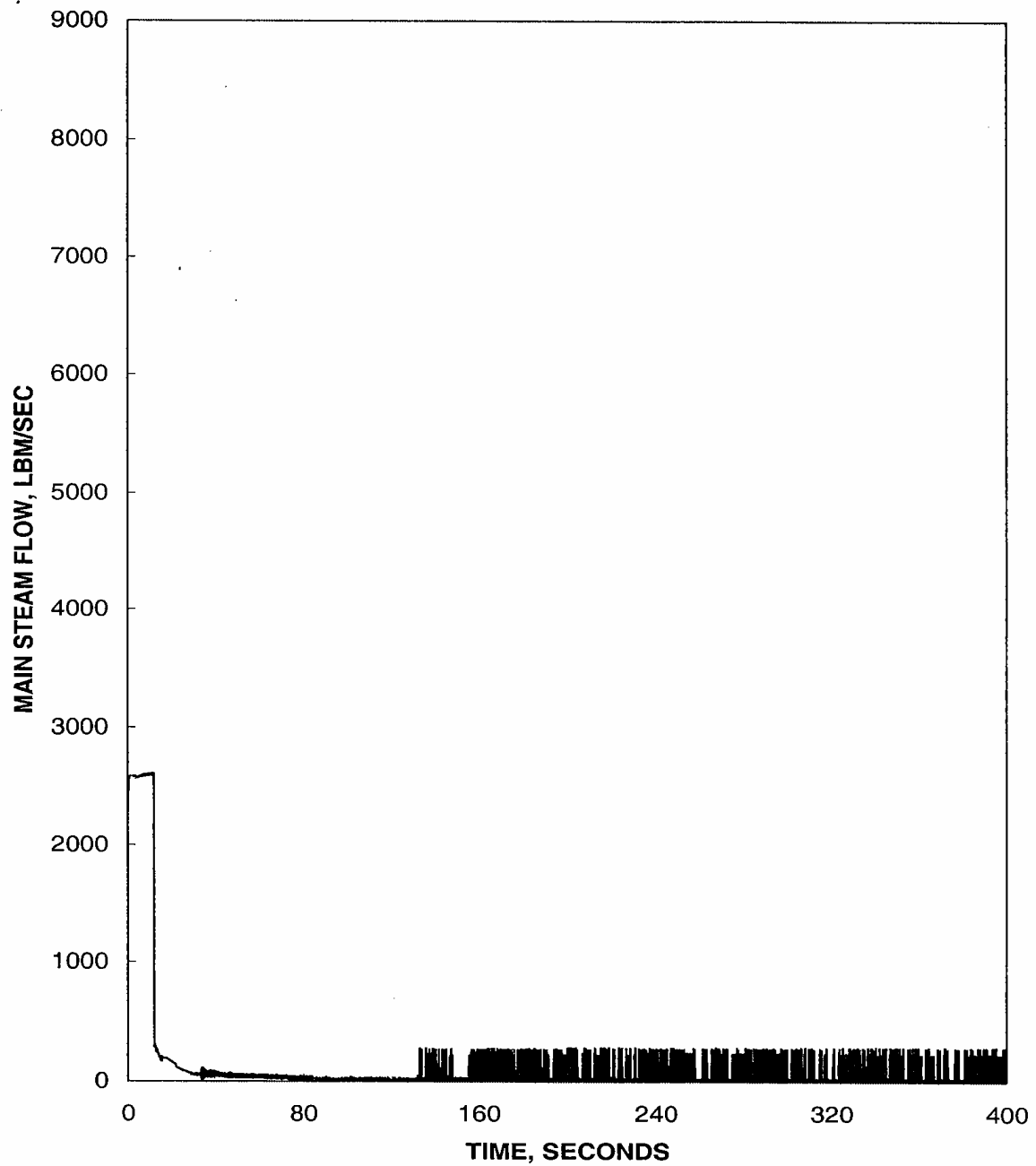


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure
Steam Generator Pressure vs. Time (Typical NSSS Response)

Figure
15.1-26

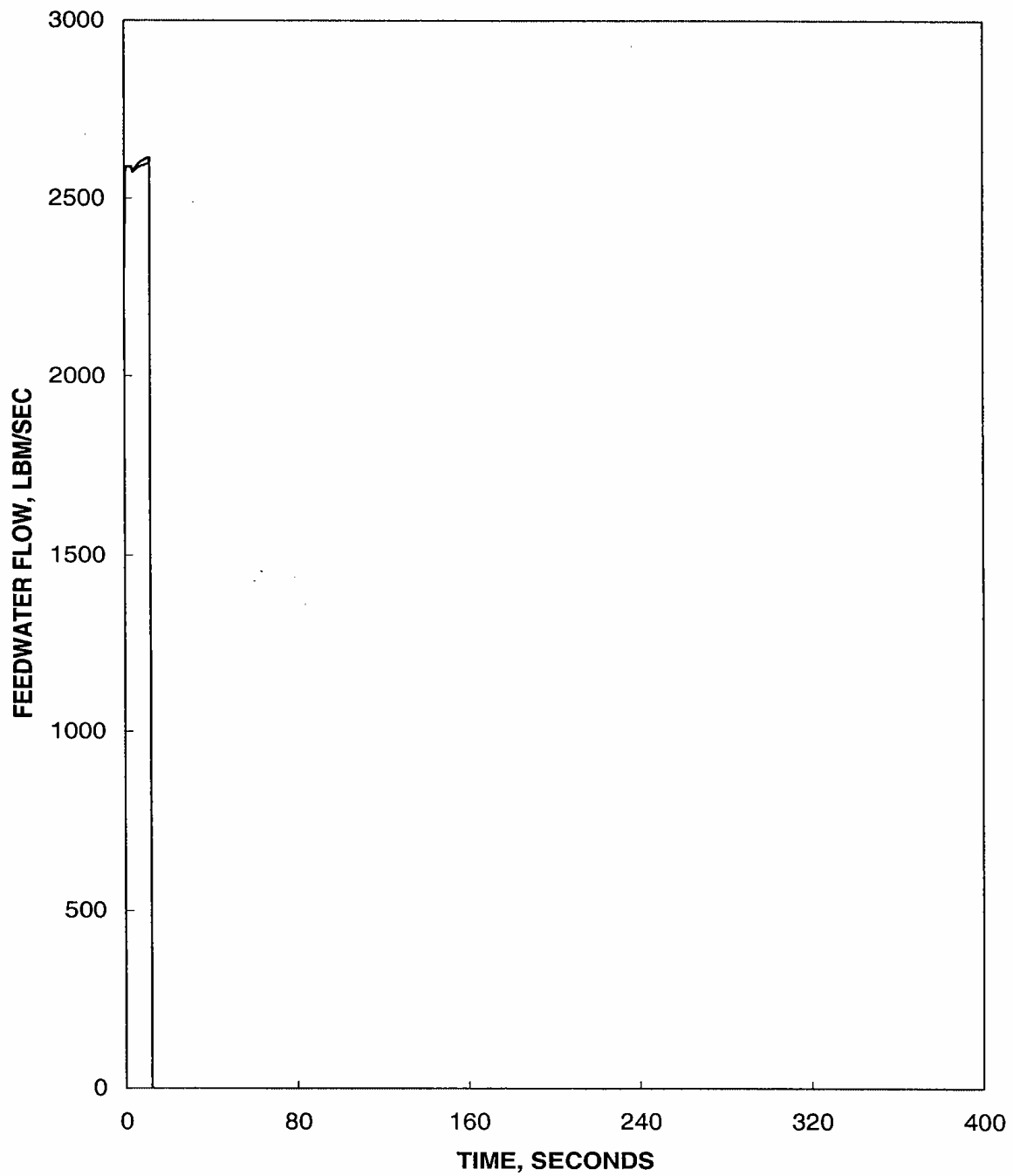


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure
Main Steam Flow vs. Time (Typical NSSS Response)

Figure
15.1-27

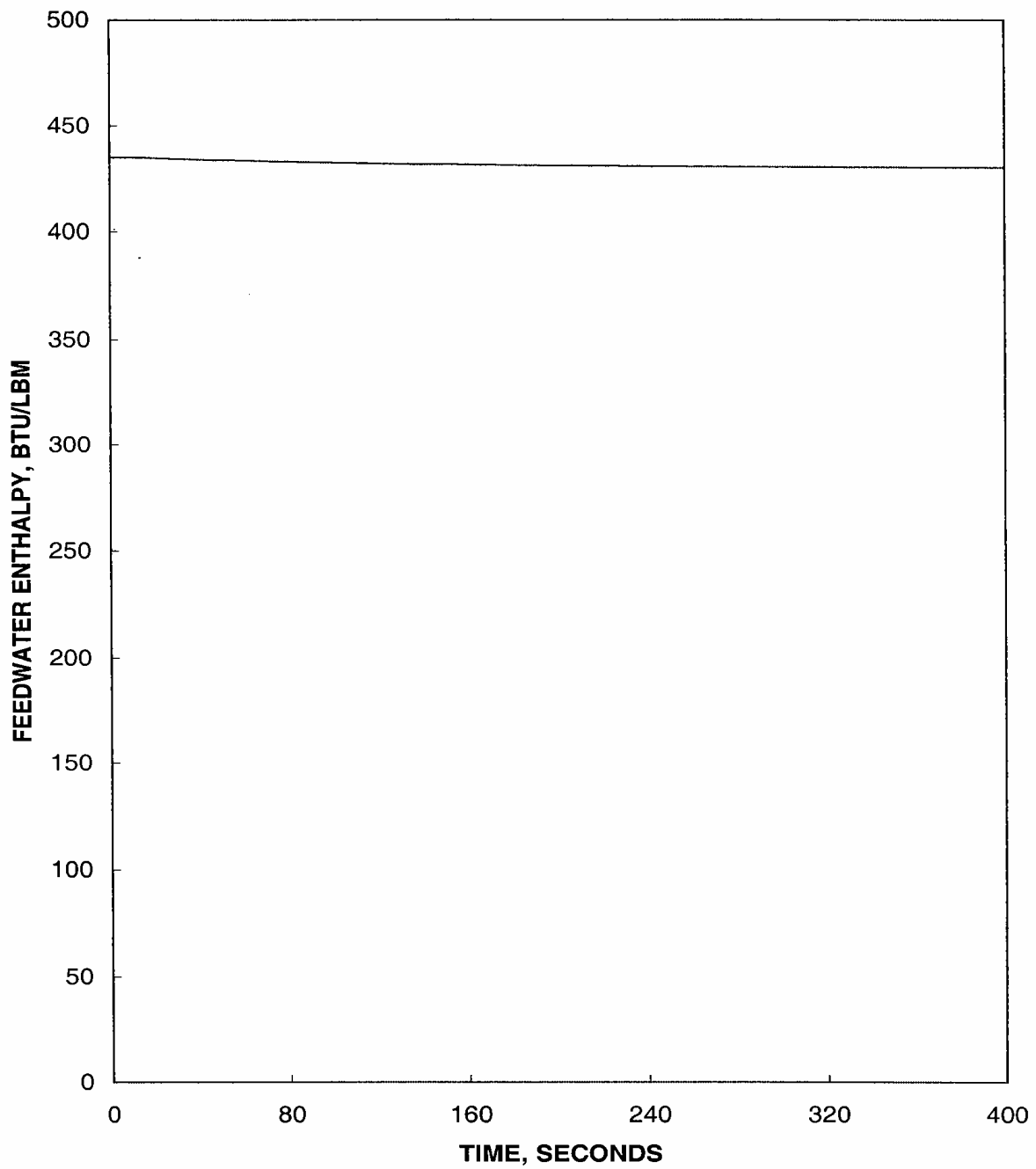


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure
Feedwater Flow vs. Time (Typical NSSS Response)

Figure
15.1-28

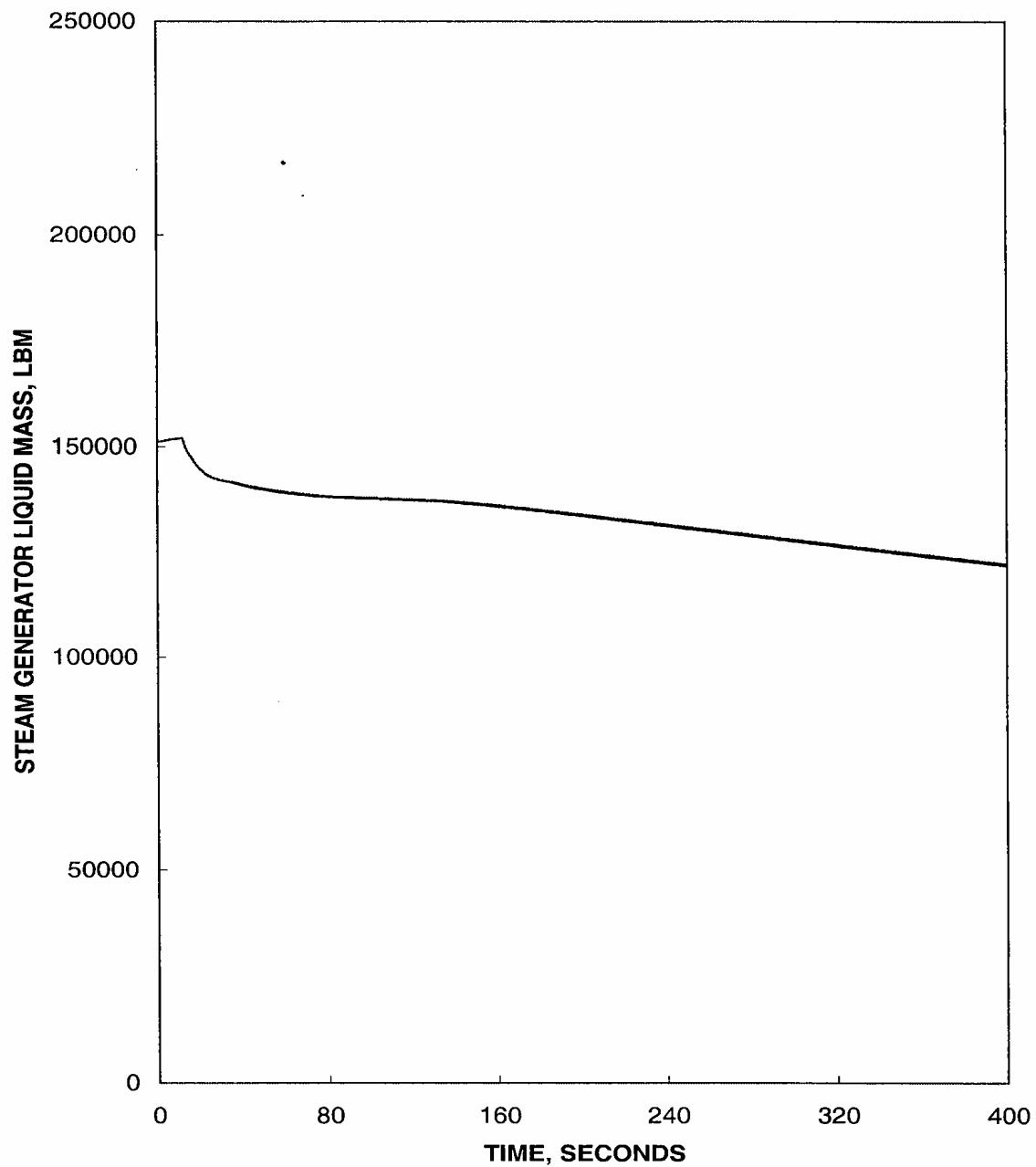


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure
Feedwater Enthalpy vs. Time (Typical NSSS Response)

Figure
15.1-29



Revision 14 (12/05)

Waterford Steam
Electric Station #3

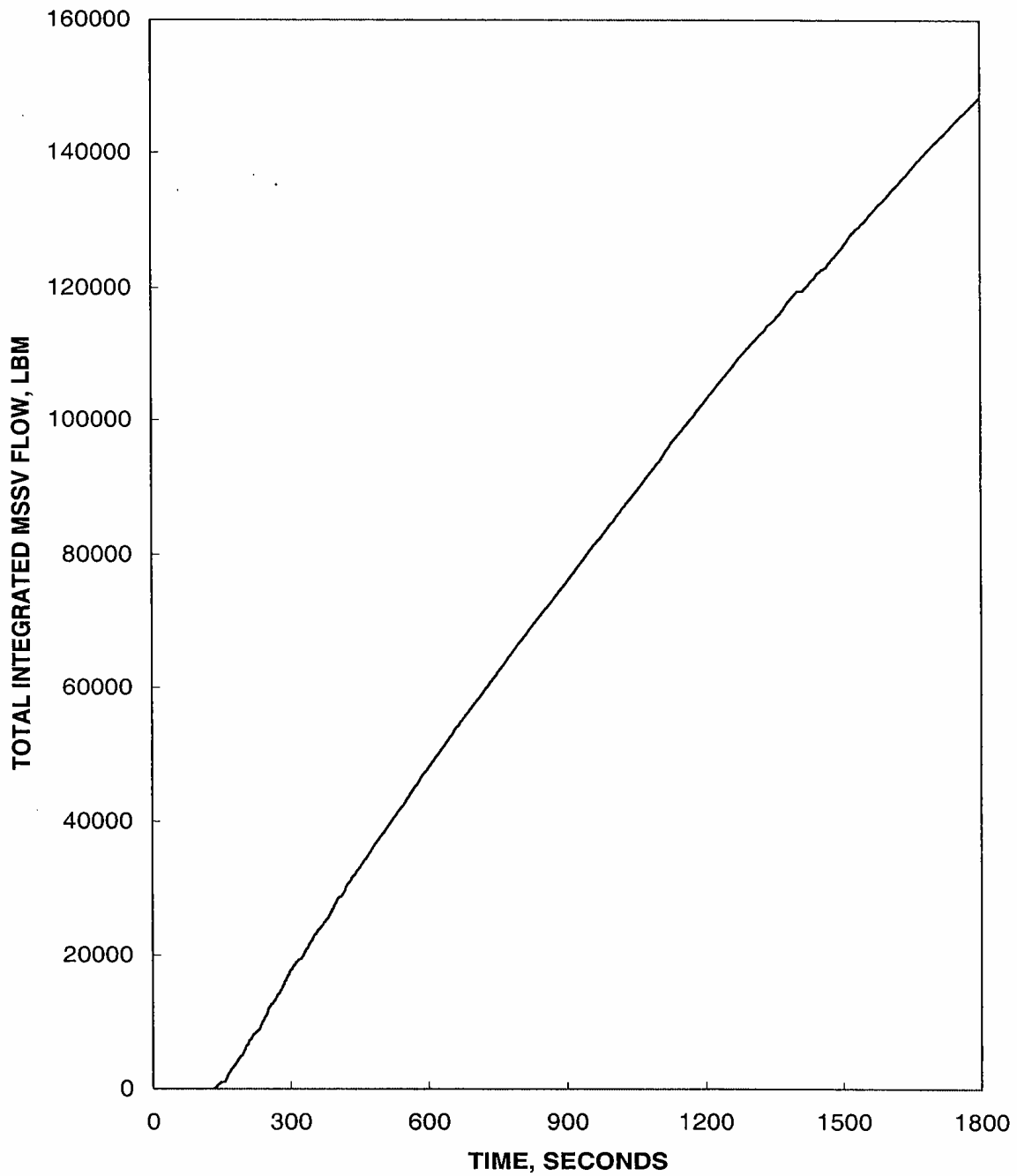
Increased Main Steam Flow with Concurrent Single Failure
Steam Generator Liquid Mass vs. Time (Typical NSSS Response)

Figure
15.1-30

→ (DRN 05-543, R14)

Figure 15.1-31 has been intentionally deleted.

← (DRN 05-543, R14)

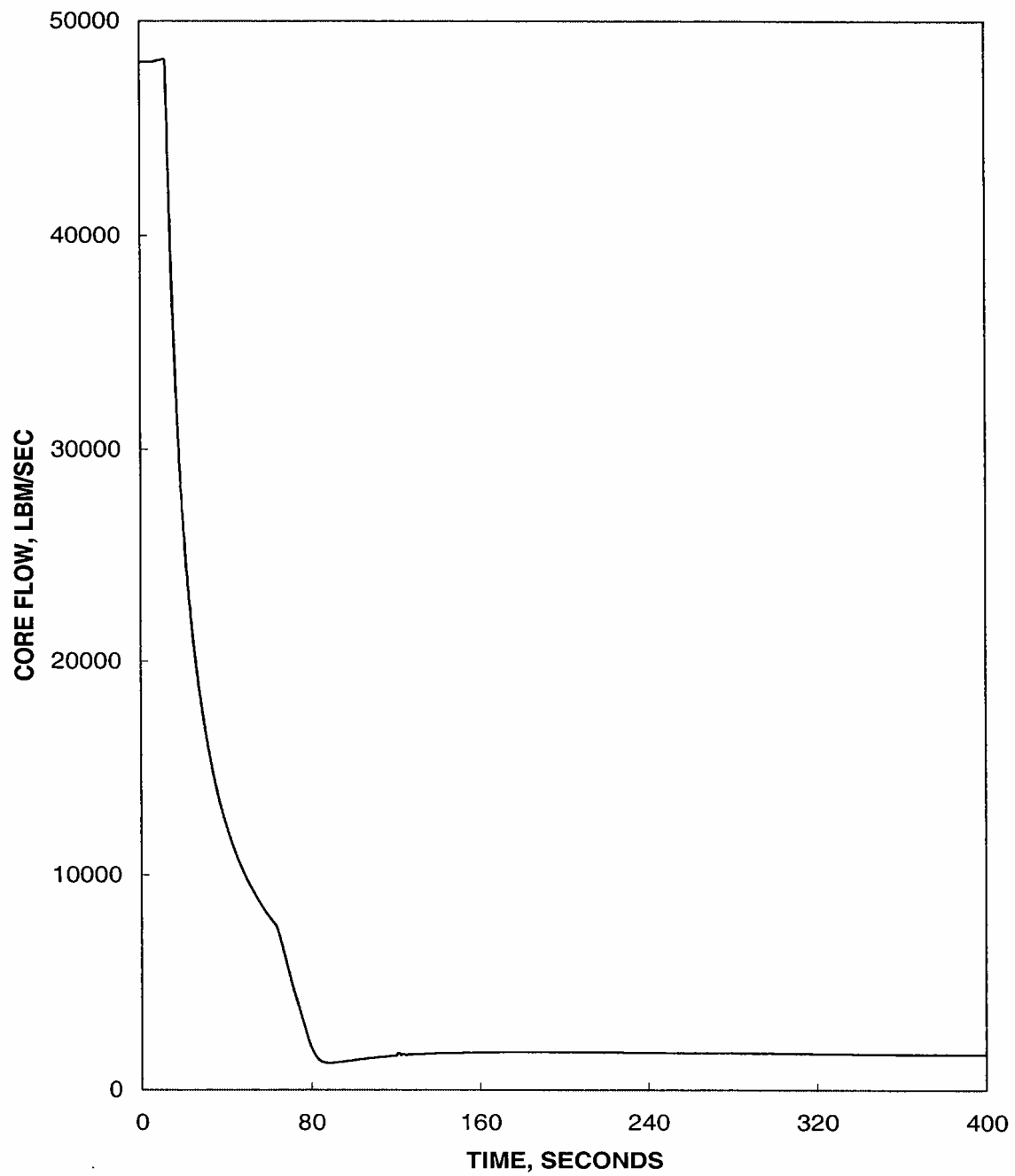


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure
Total Integrated Safety Valve Flow vs. Time (Typical NSSS Response)

Figure
15.1-31a

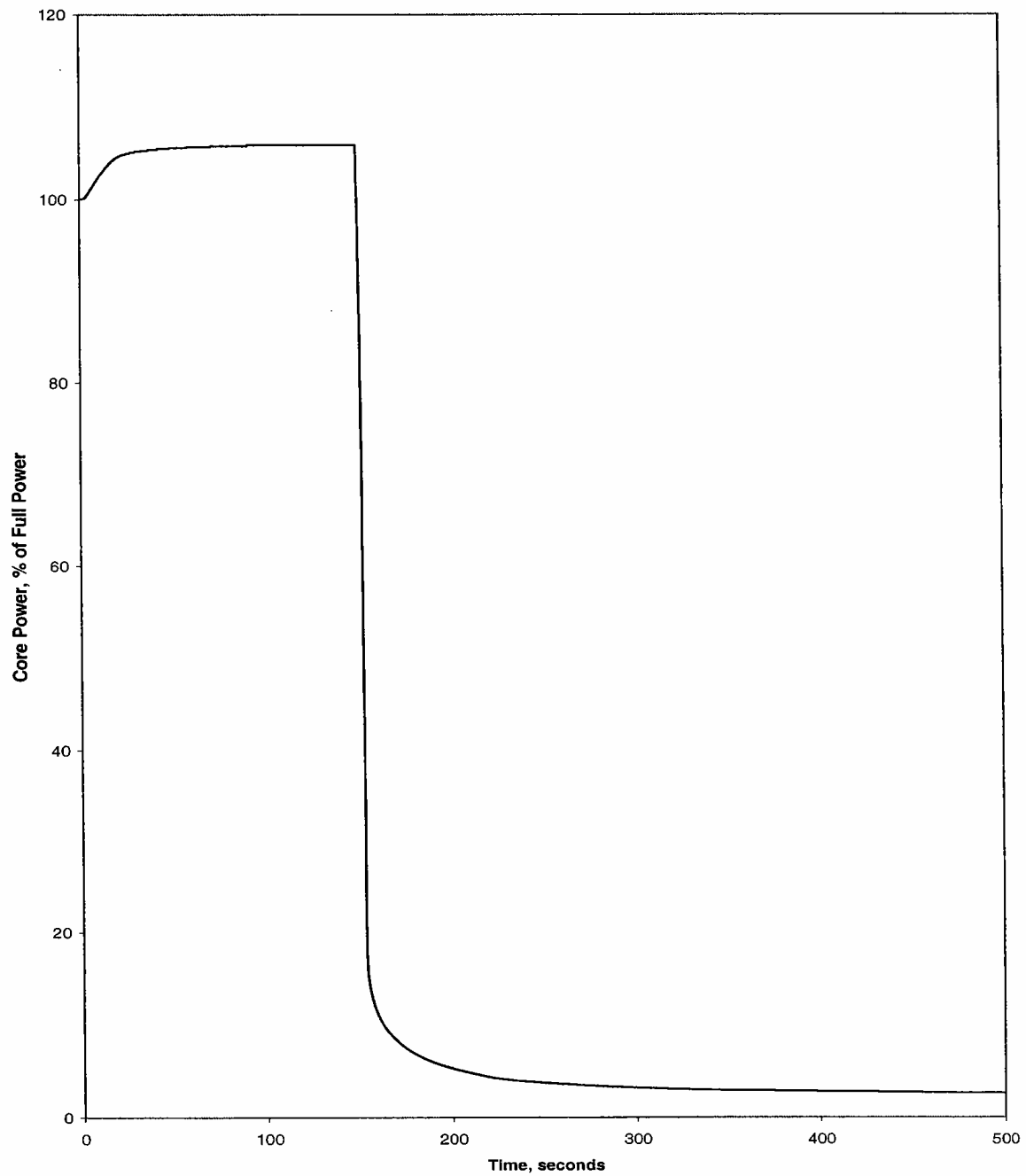


Revision 14 (12/05)

Waterford Steam
Electric Station #3

Increased Main Steam Flow with Concurrent Single Failure
Core Flow vs. Time (Typical NSSS Response)

Figure
15.1-32

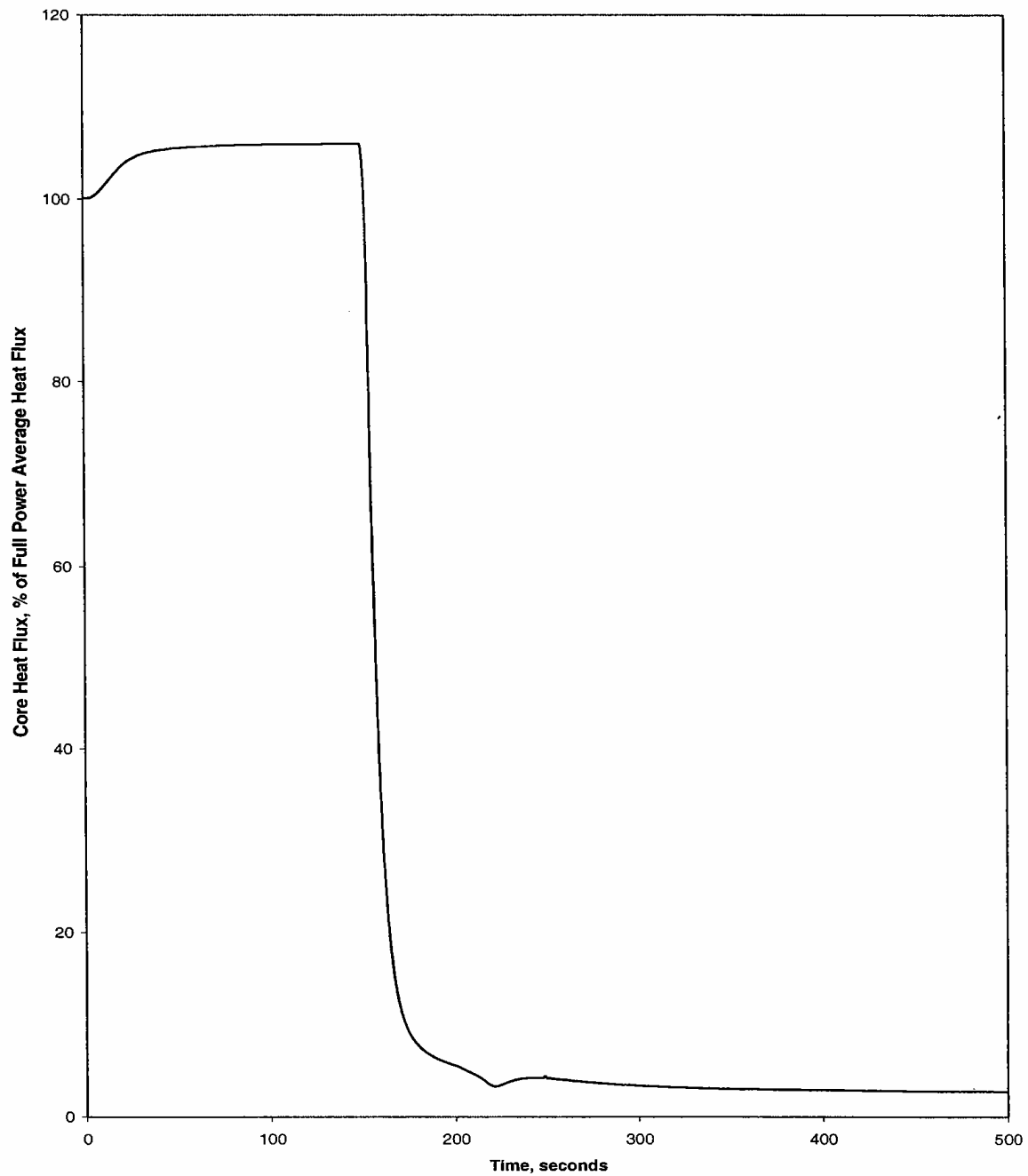


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Core Power vs. Time

Figure
15.1-32a

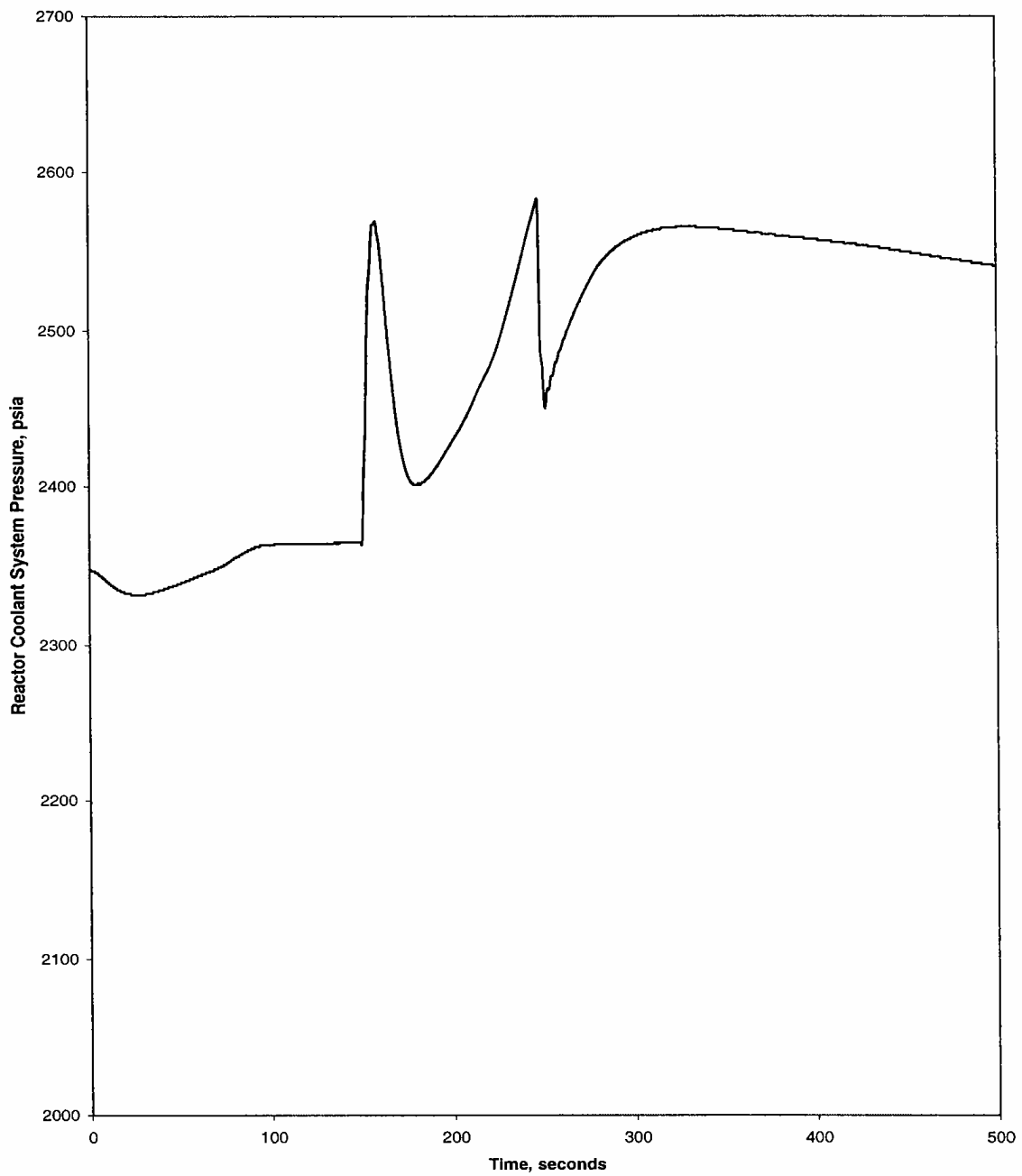


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Core Heat Flux vs. Time

Figure
15.1-32b

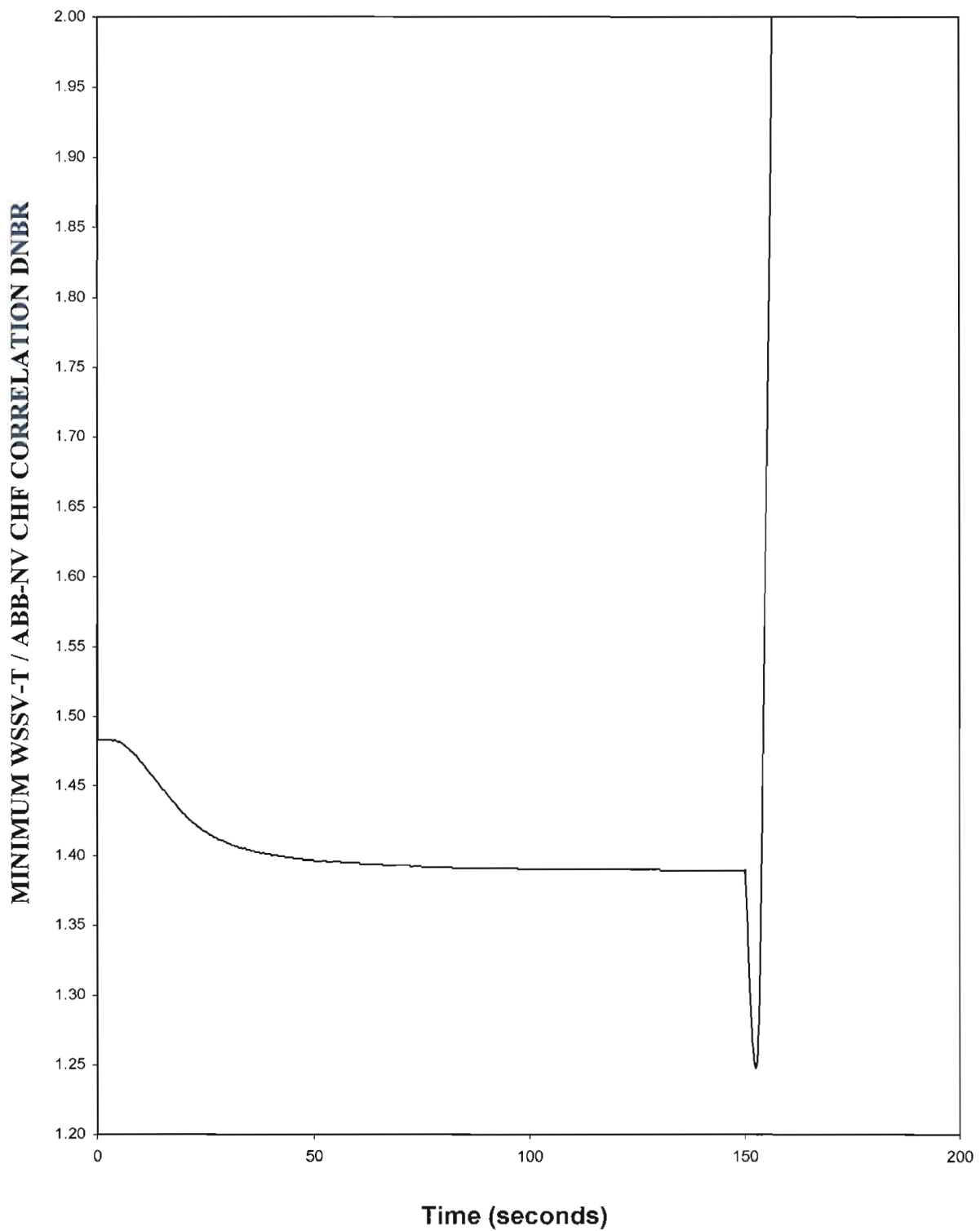


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
RCS Pressure vs. Time

Figure
15.1-32c

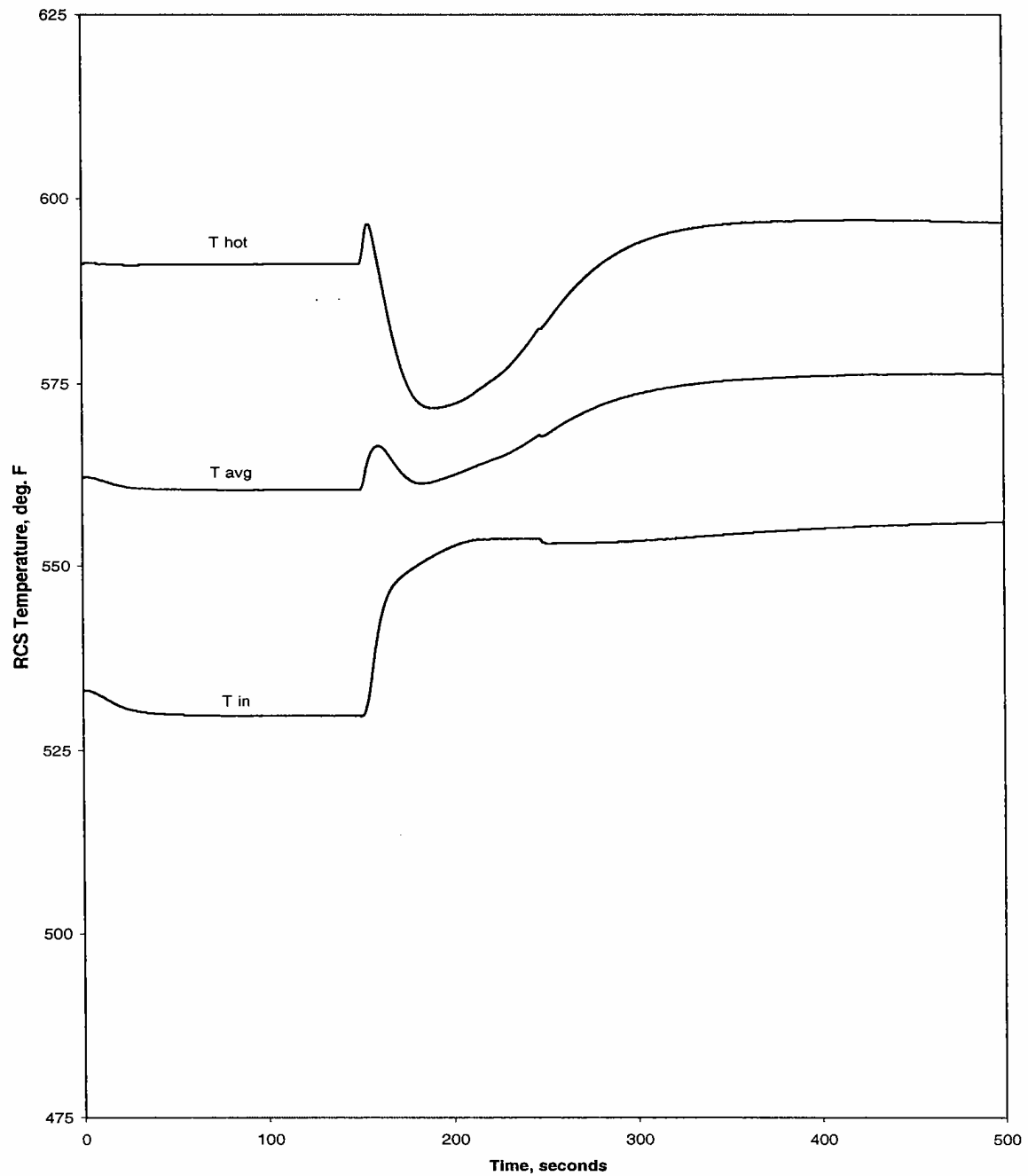


Revision 304 (06/10)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Minimum Hot Channel DNBR vs. Time

Figure
15.1-32d

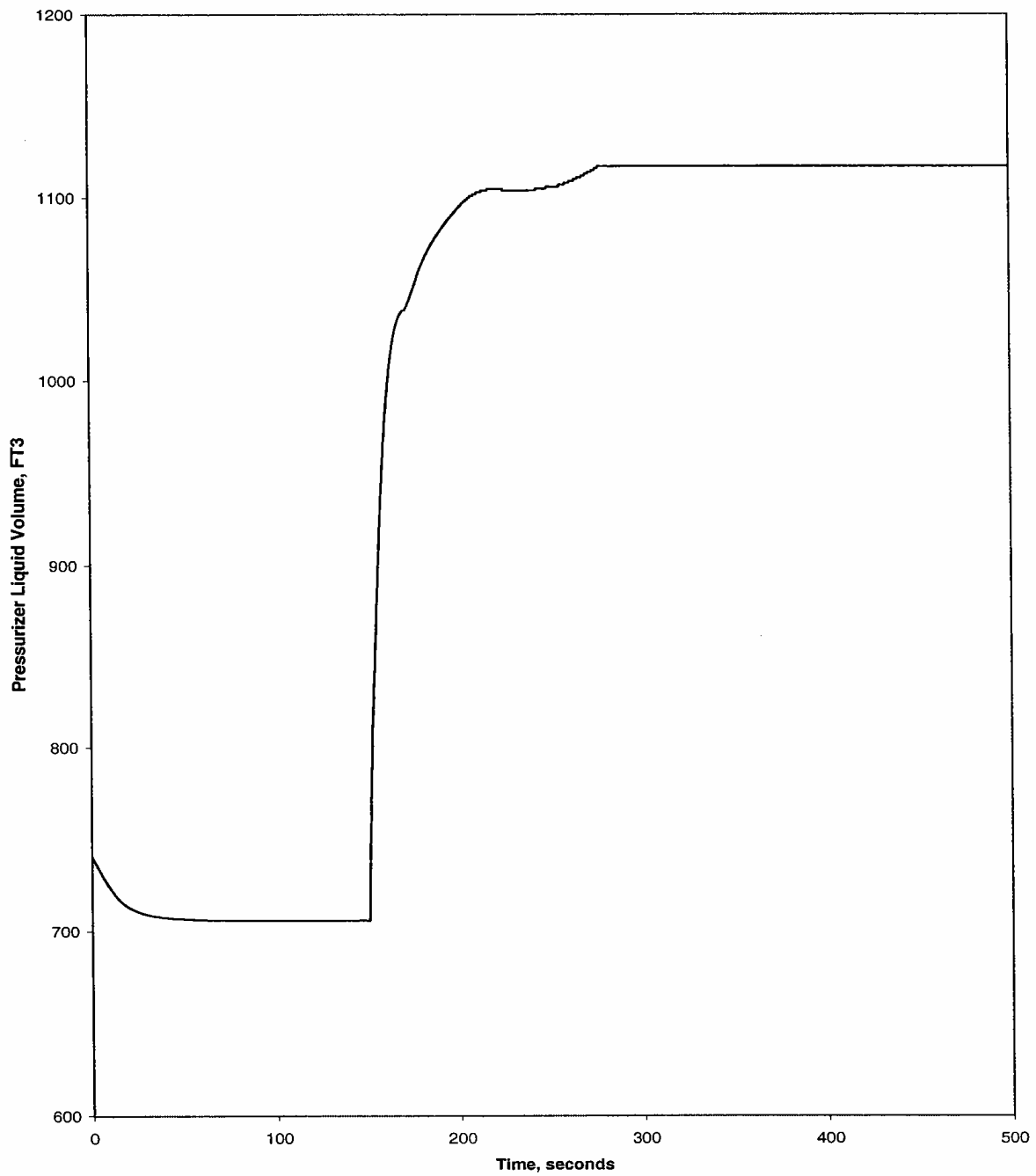


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Reactor Coolant Temperature vs. Time

Figure
15.1-32e

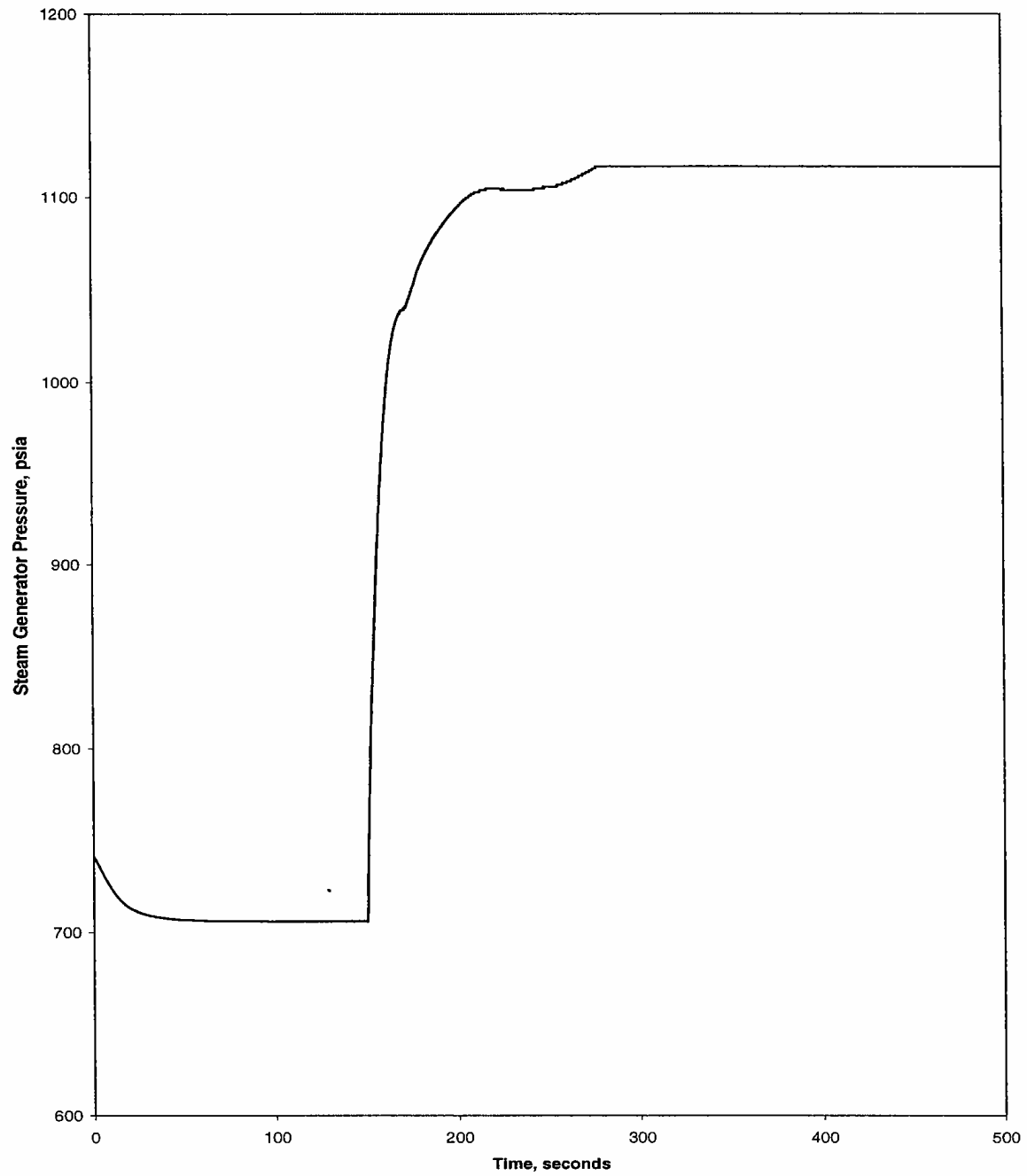


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Pressurizer Liquid Volume vs. Time

Figure
15.1-32f

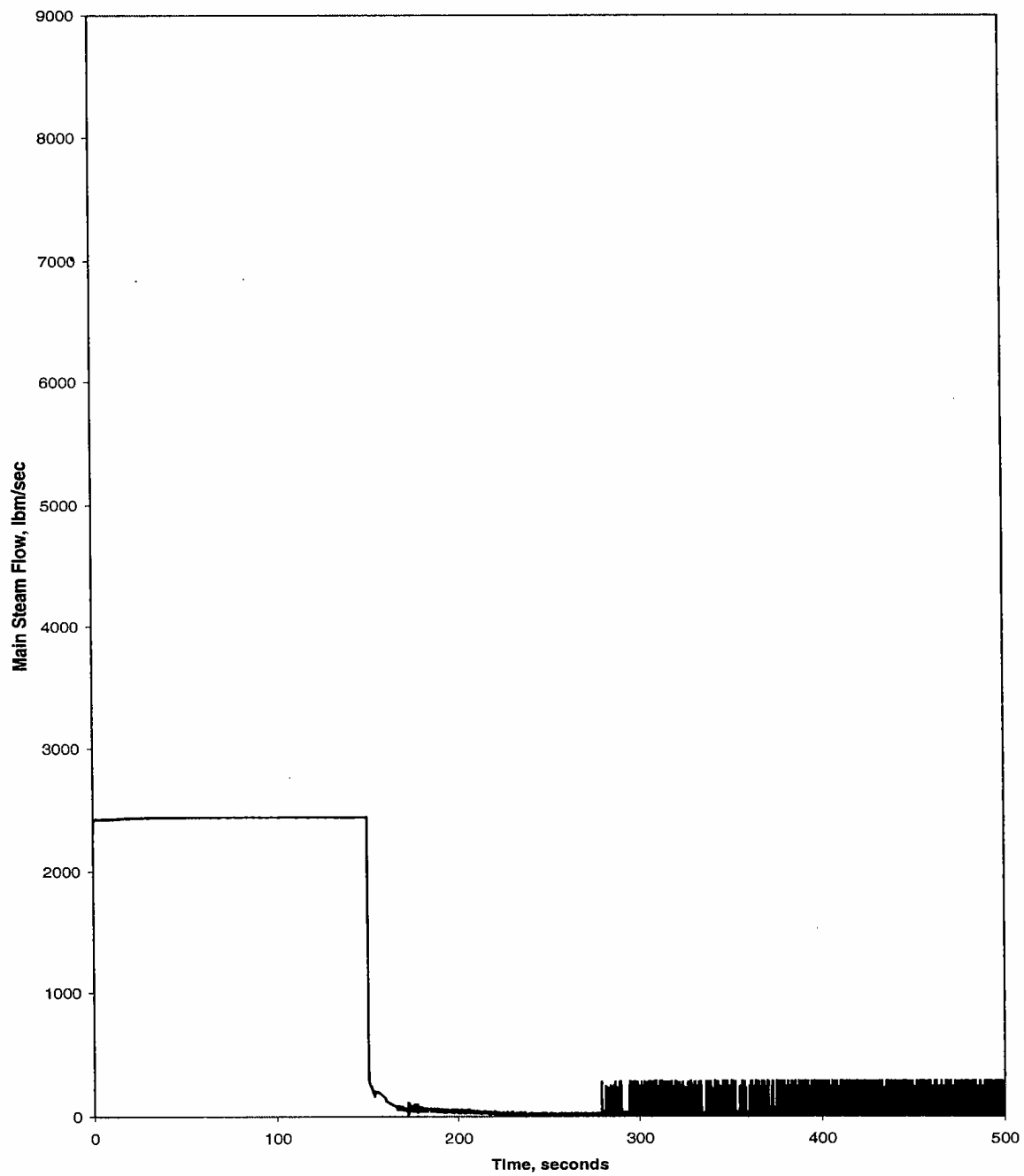


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Steam Generator Pressure vs. Time

Figure
15.1-32g

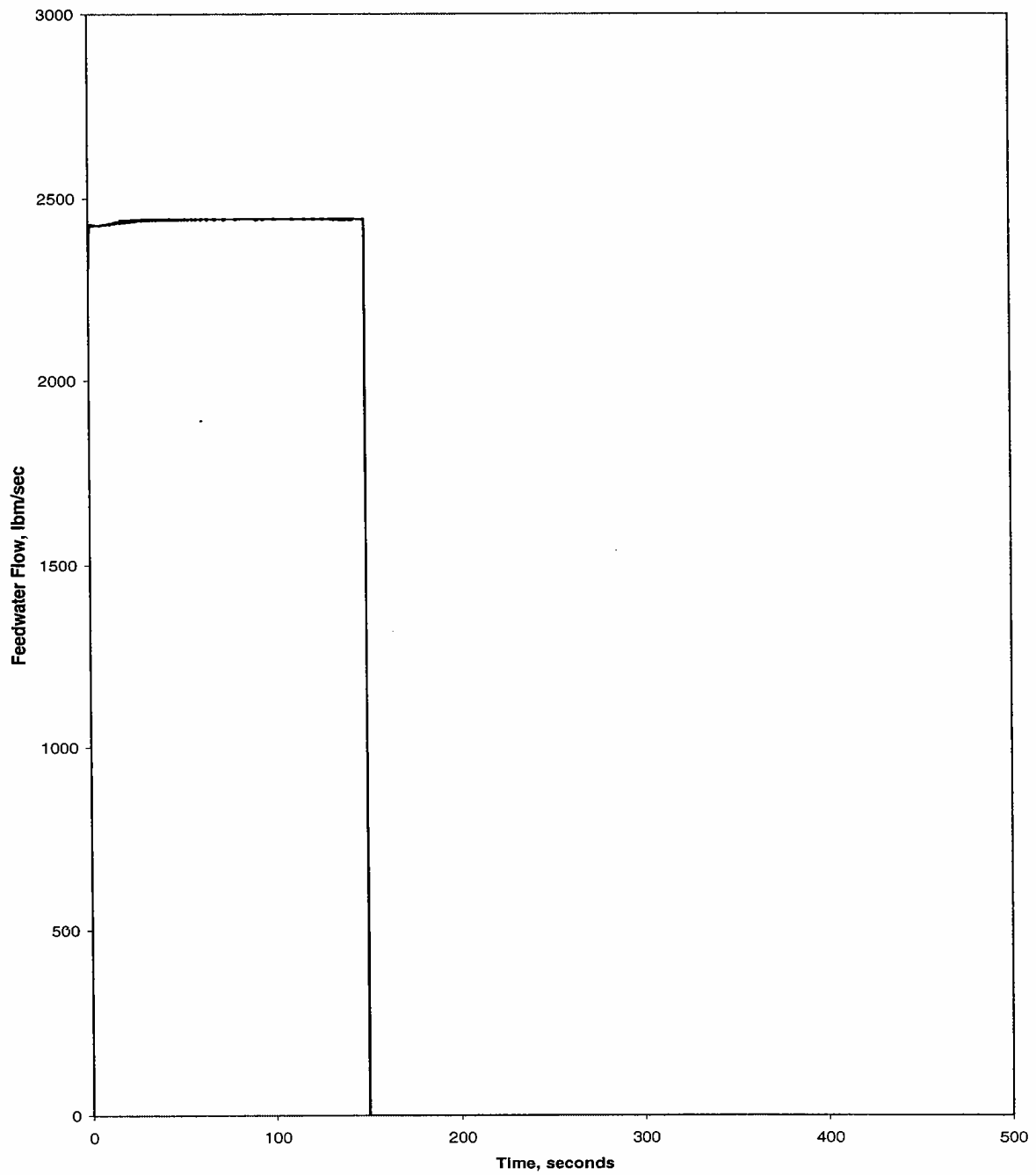


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Main Steam Flow vs. Time

Figure
15.1-32h

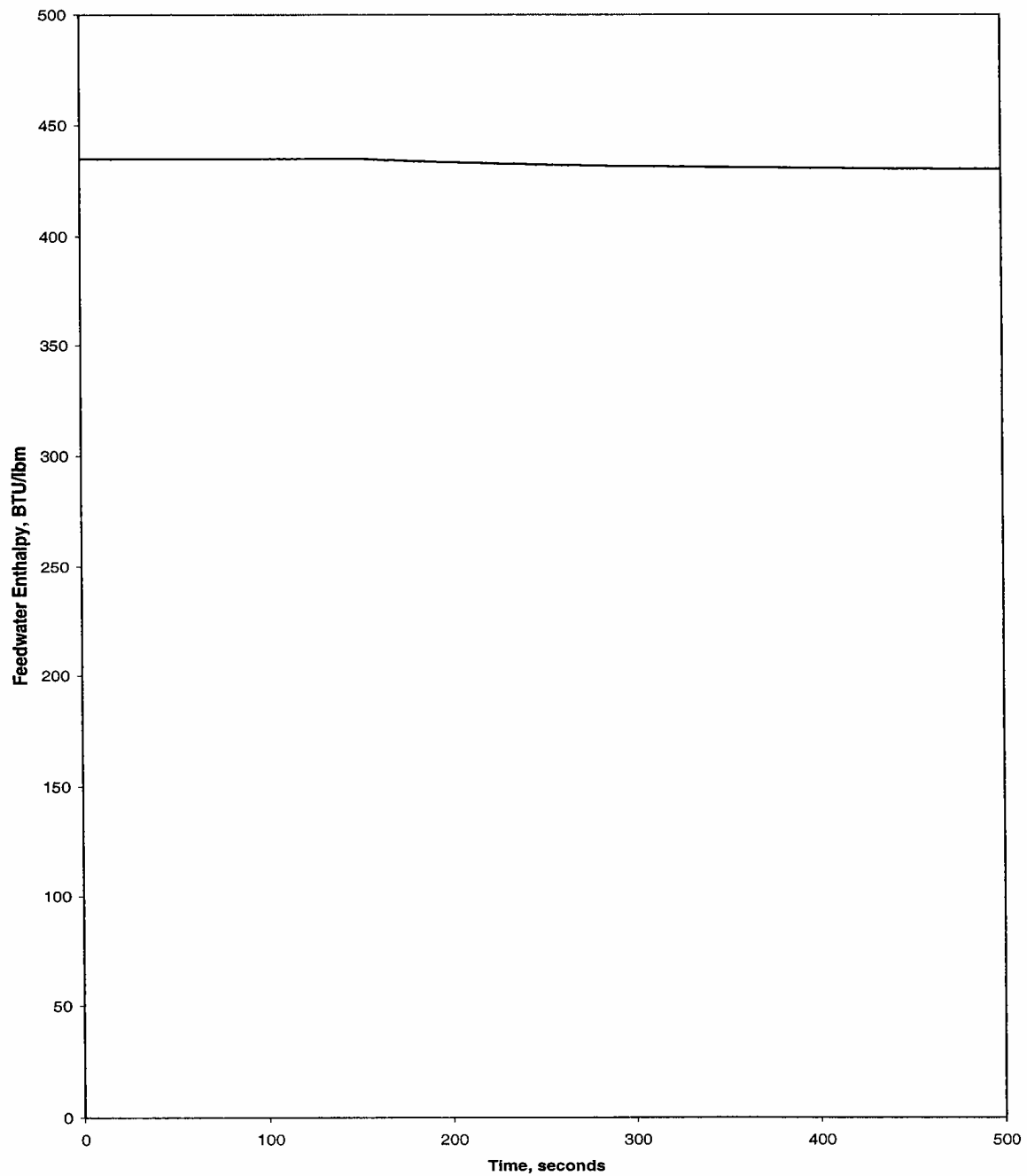


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Feedwater Flow vs. Time

Figure
15.1-32i

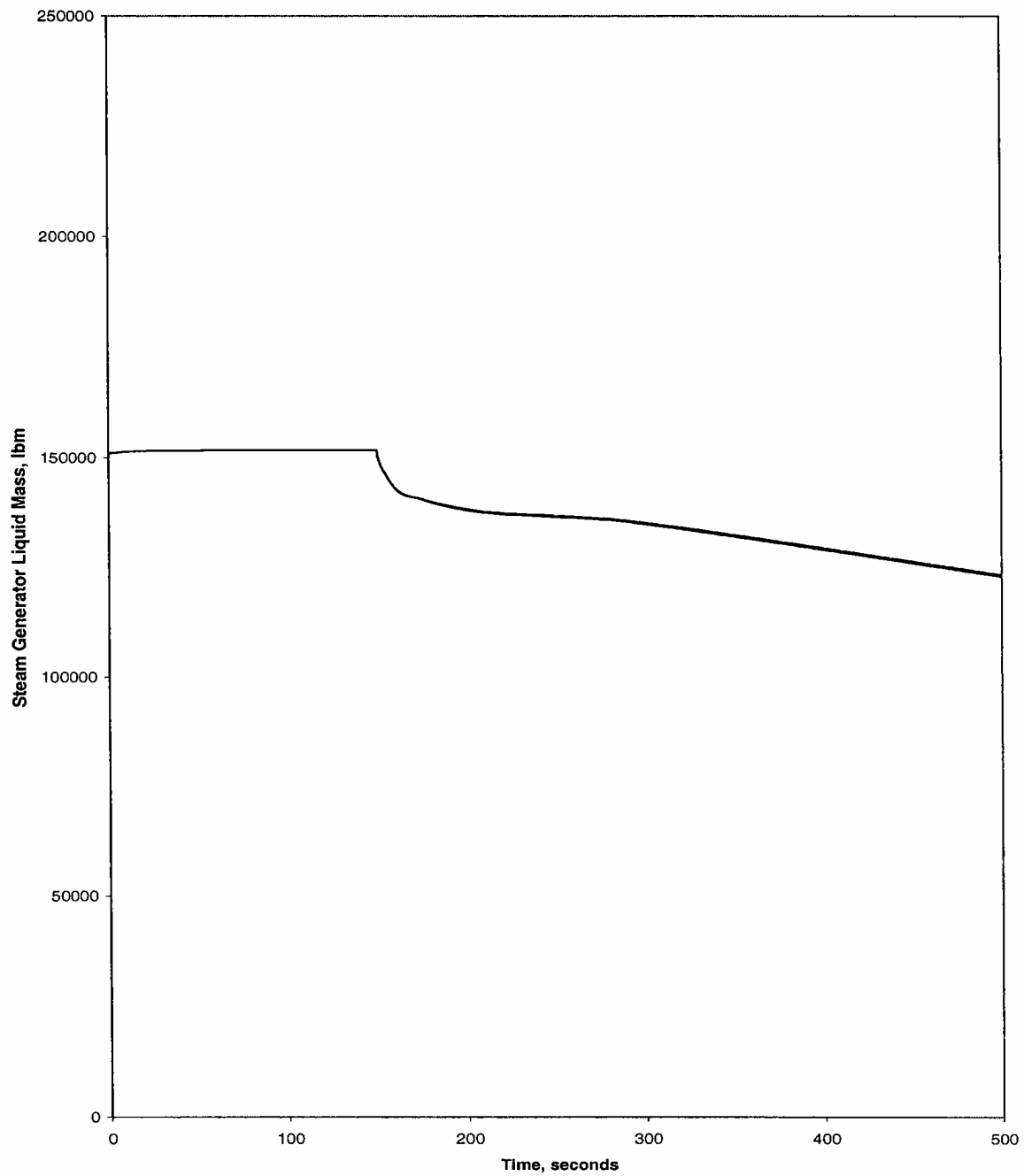


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Feedwater Enthalpy vs. Time

Figure
15.1-32j

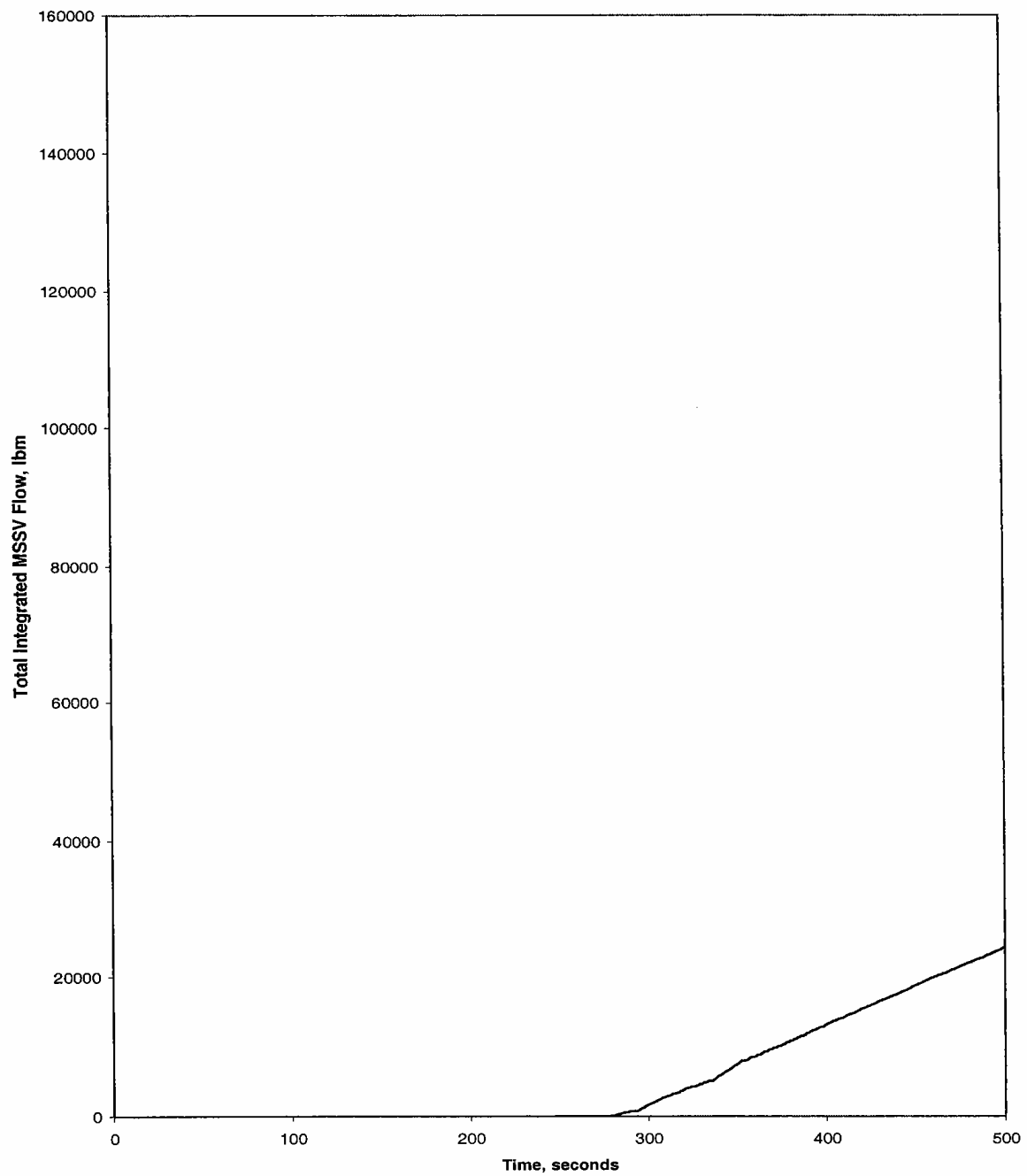


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Steam Generator Liquid Mass vs. Time

Figure
15.1-32k

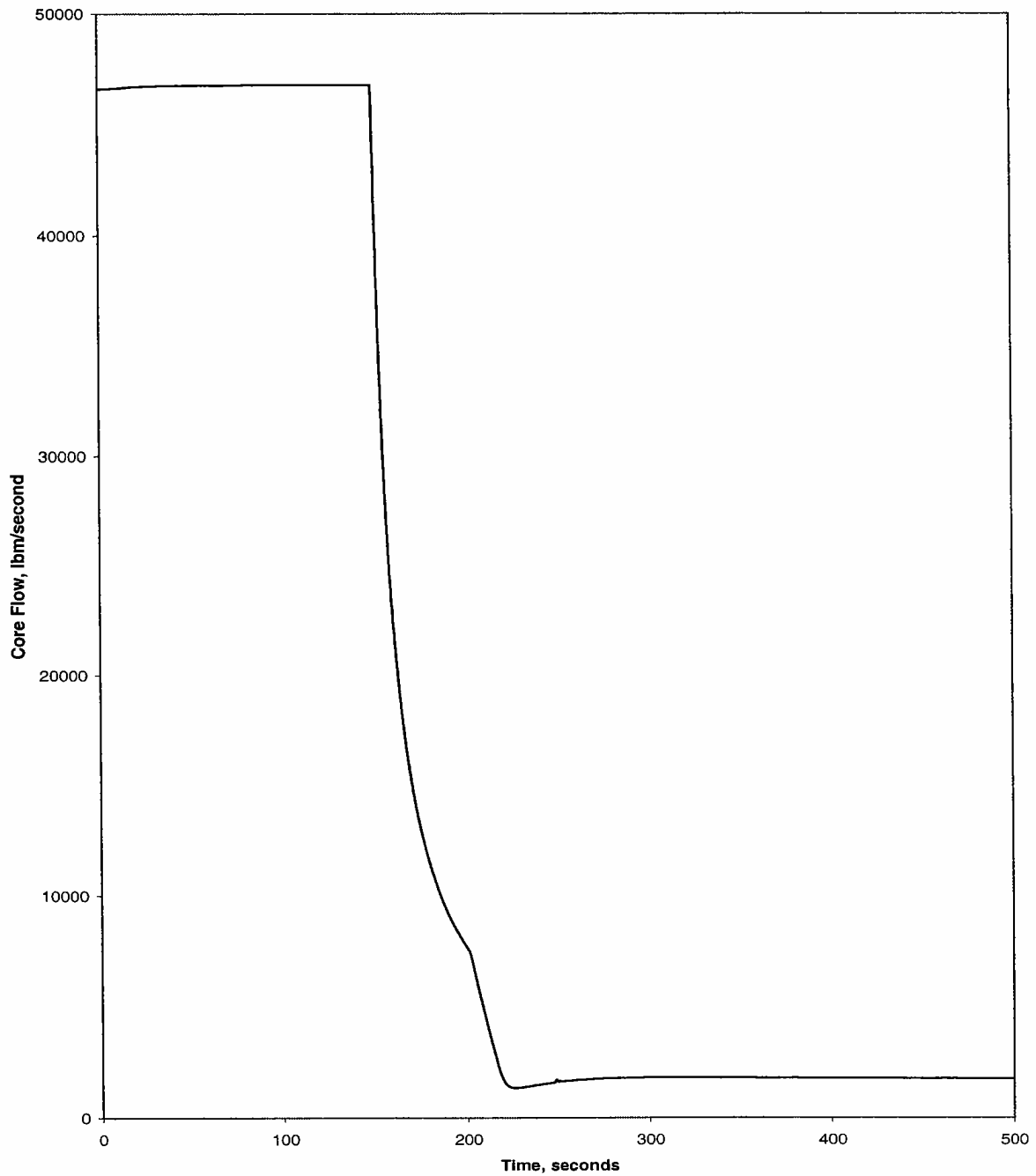


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening of an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Total Integrated Safety Valve Flow vs. Time

Figure
15.1-32I

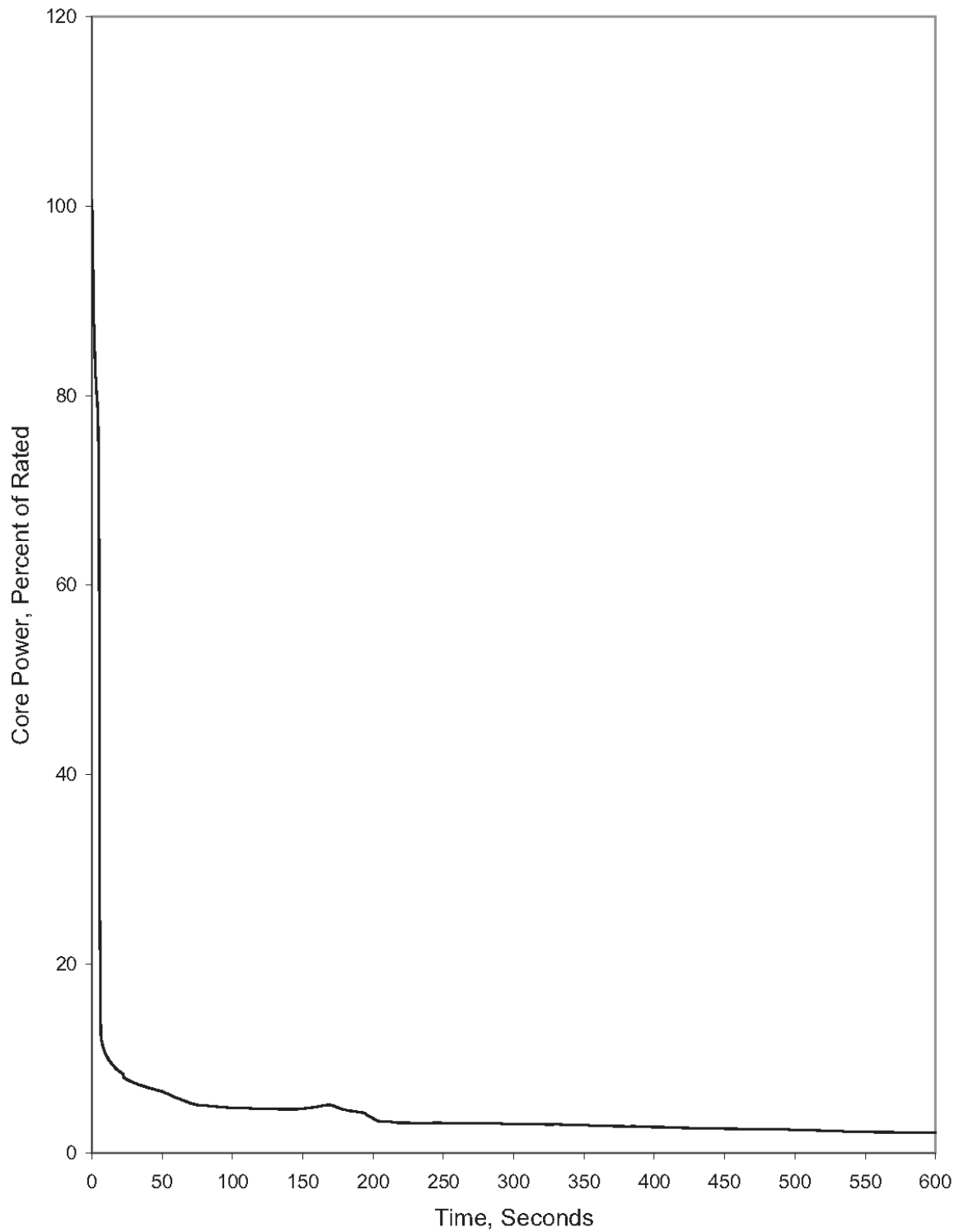


Revision 14 (12/05)

Waterford Steam
Electric Station #3

HFP Inadvertent Opening in an Atmospheric Dump Valve
With a Concurrent Loss of AC Power
Core Flow vs. Time

Figure
15.1-32m

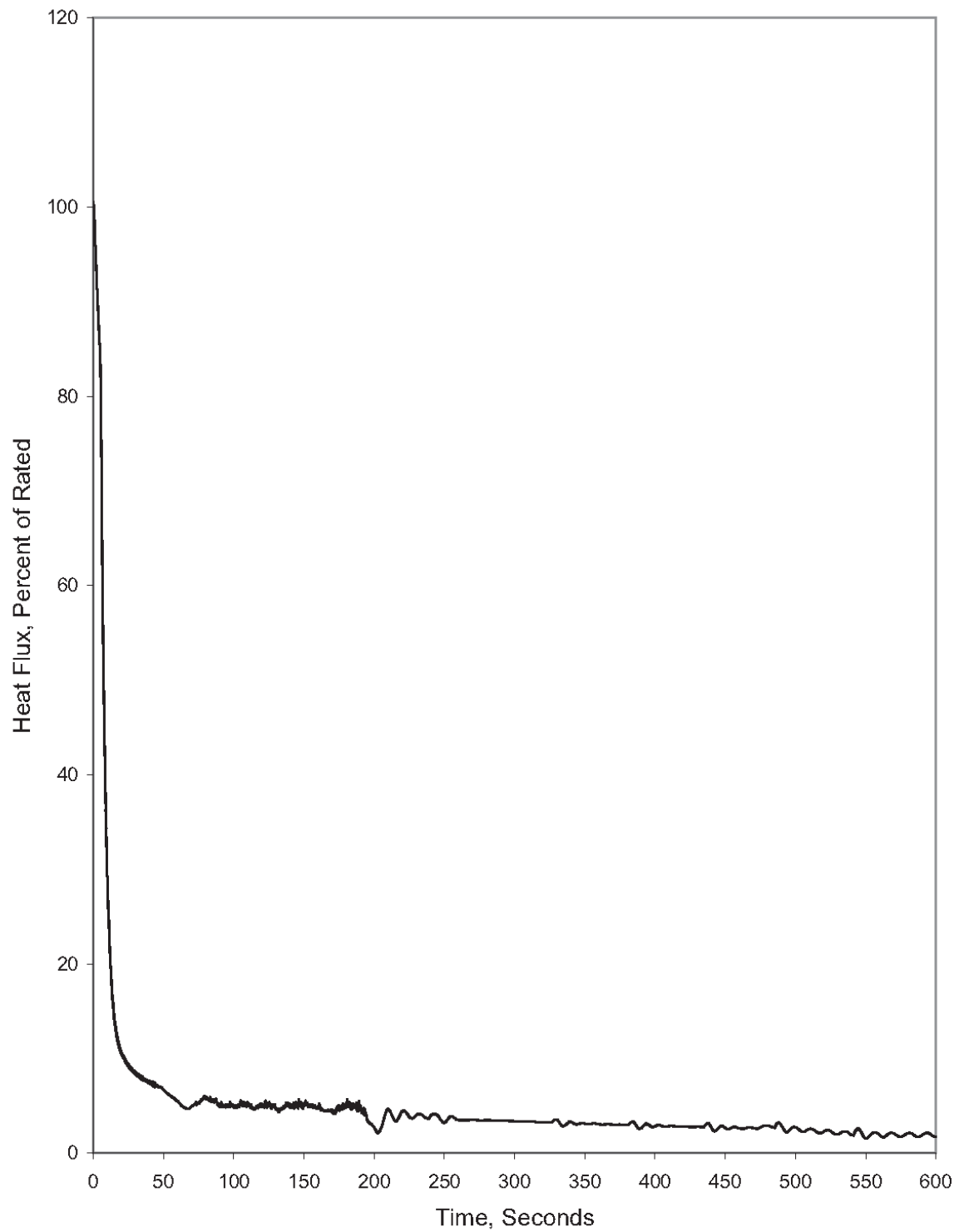


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Core Power vs. Time

Figure
15.1-33

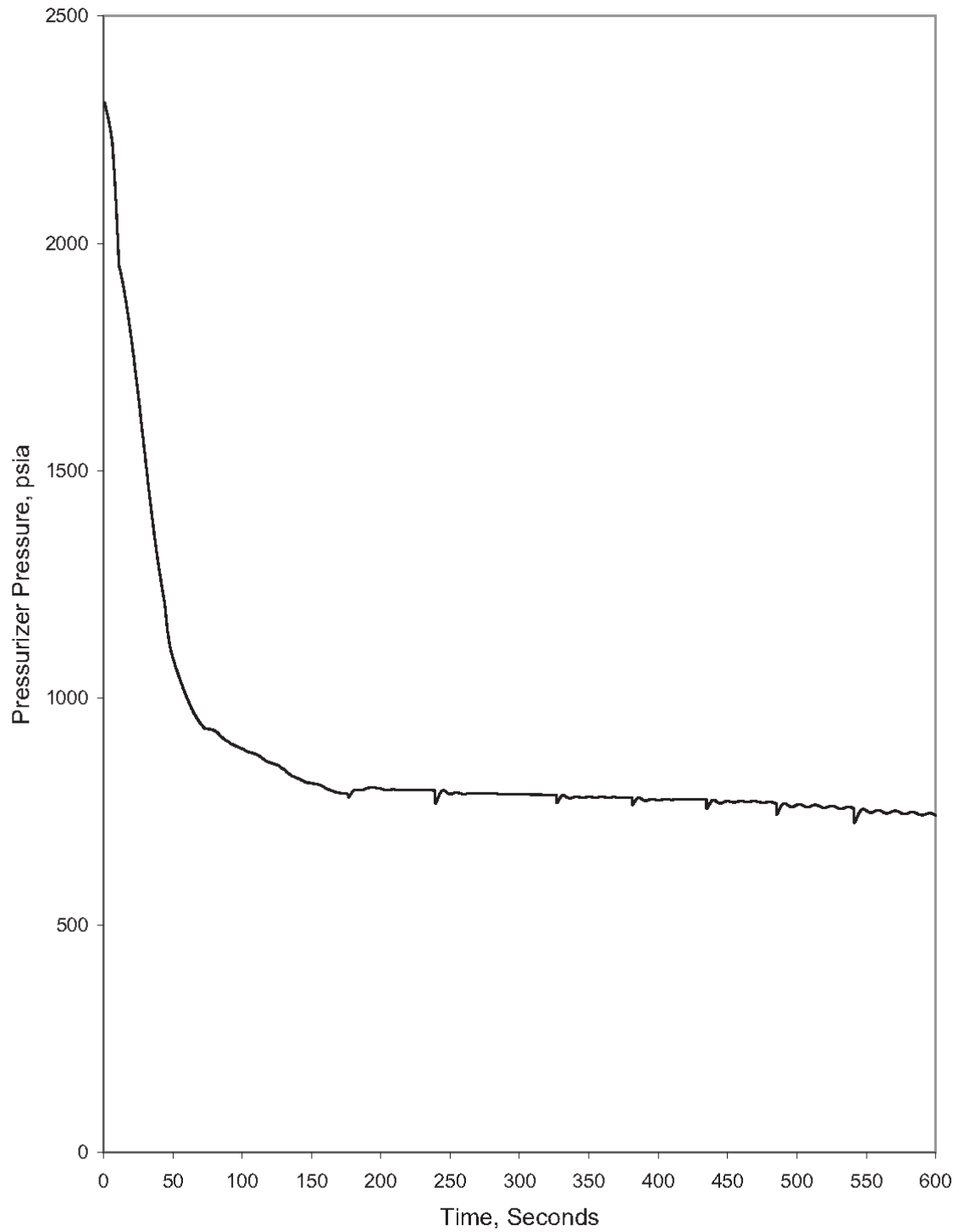


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Core Heat Flux vs. Time

Figure
15.1-34

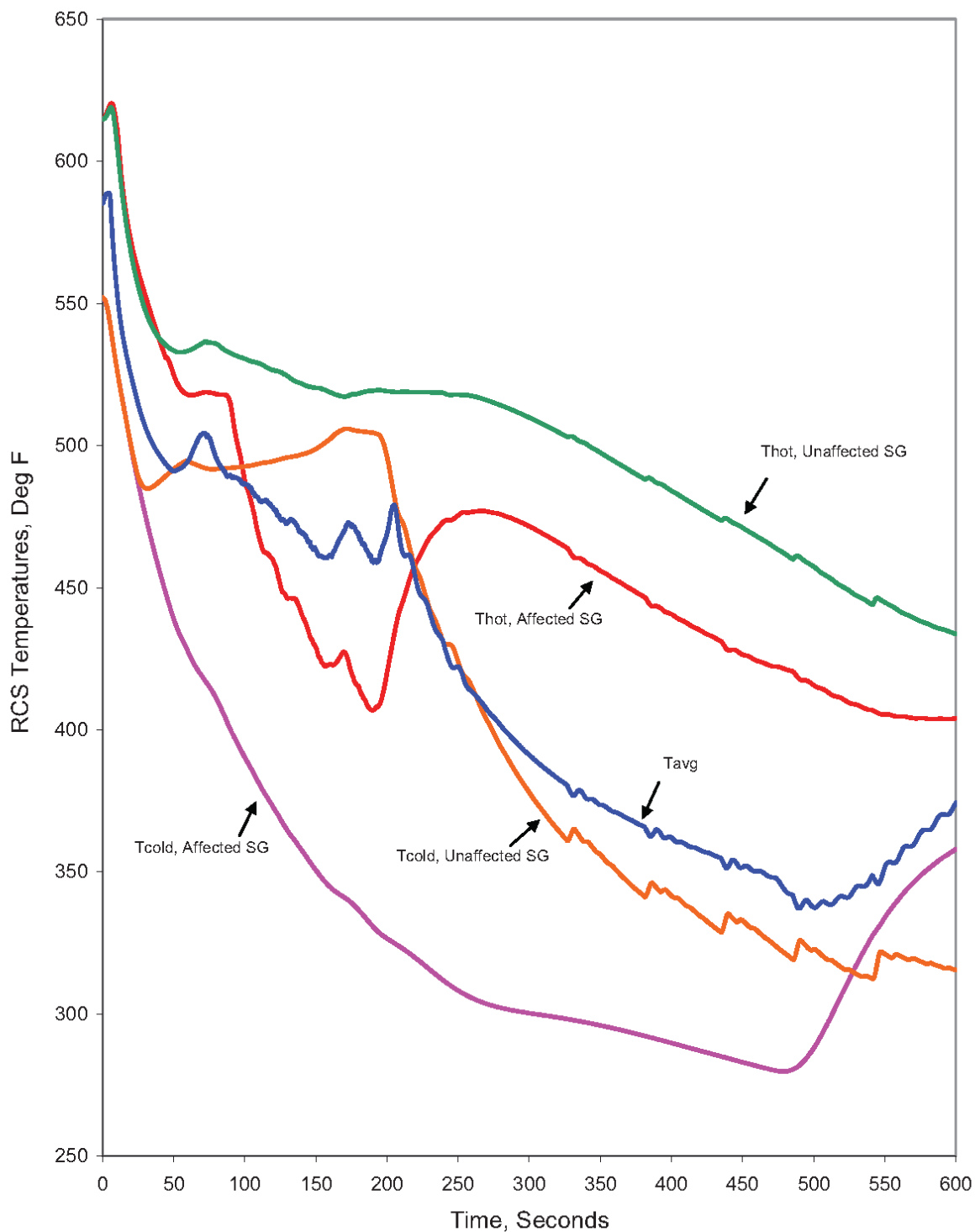


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Pressurizer Pressure vs. Time

Figure
15.1-35

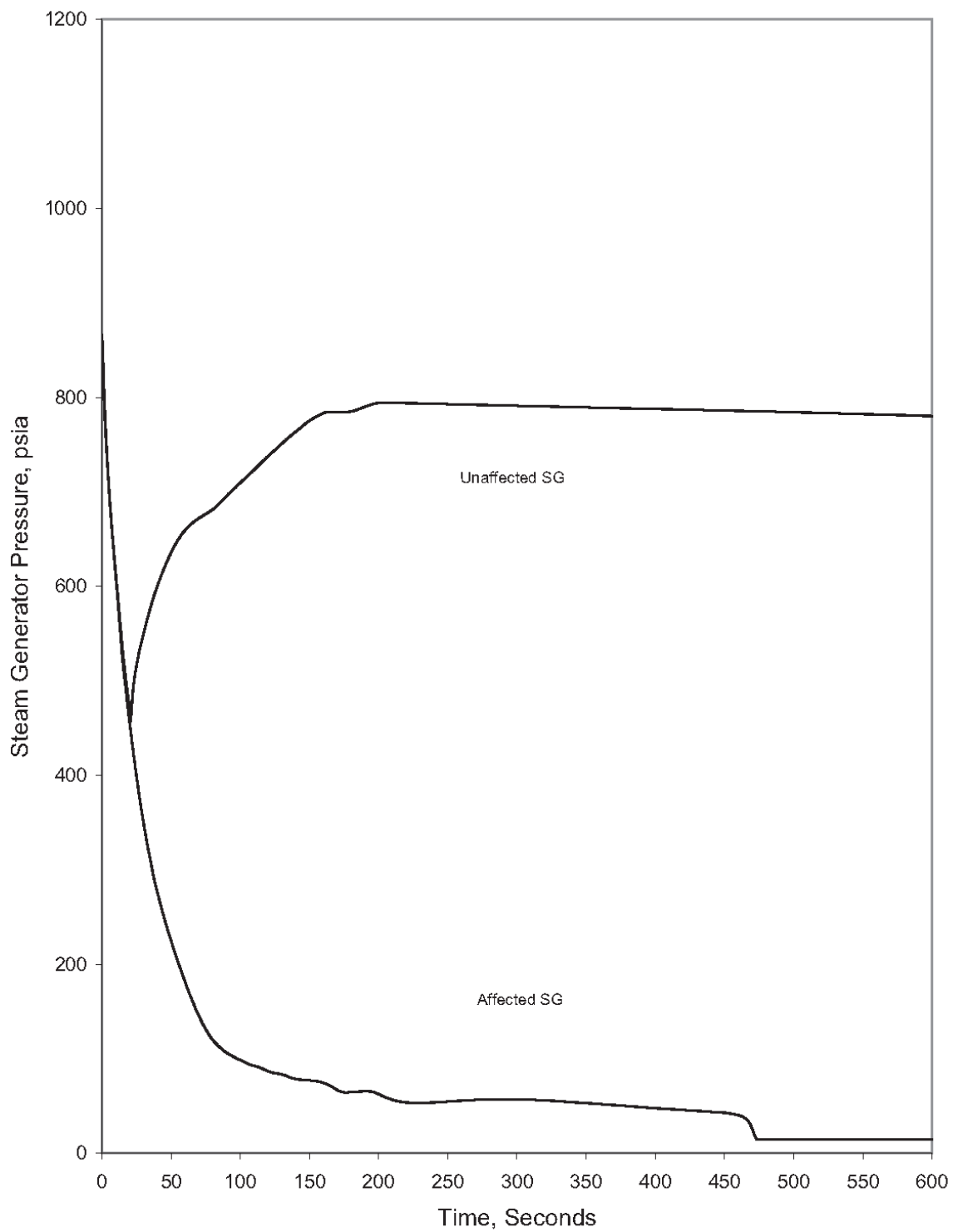


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Reactor Coolant System Temperature vs. Time

Figure
15.1-36

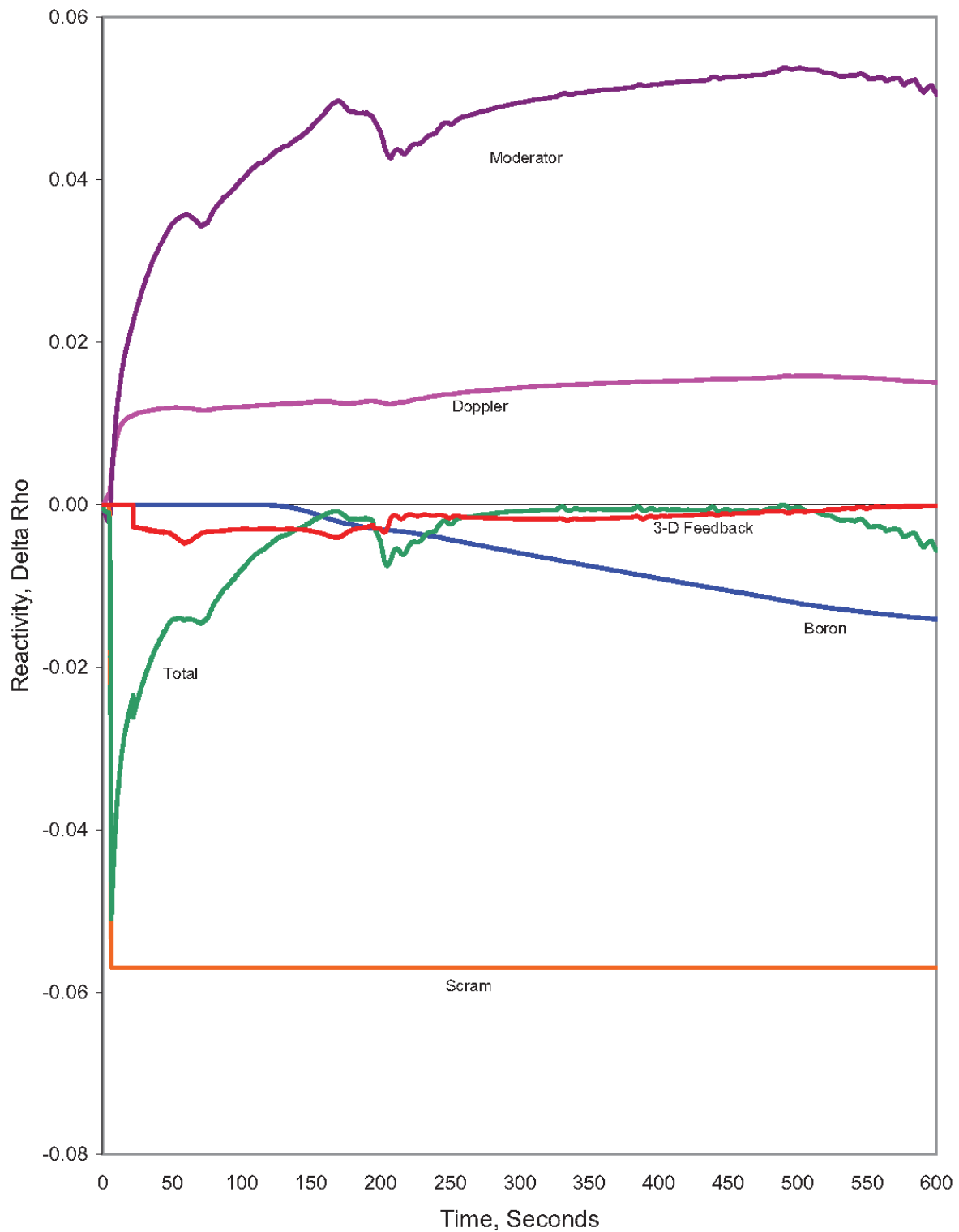


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Steam Generator Pressure vs. Time

Figure
15.1-37

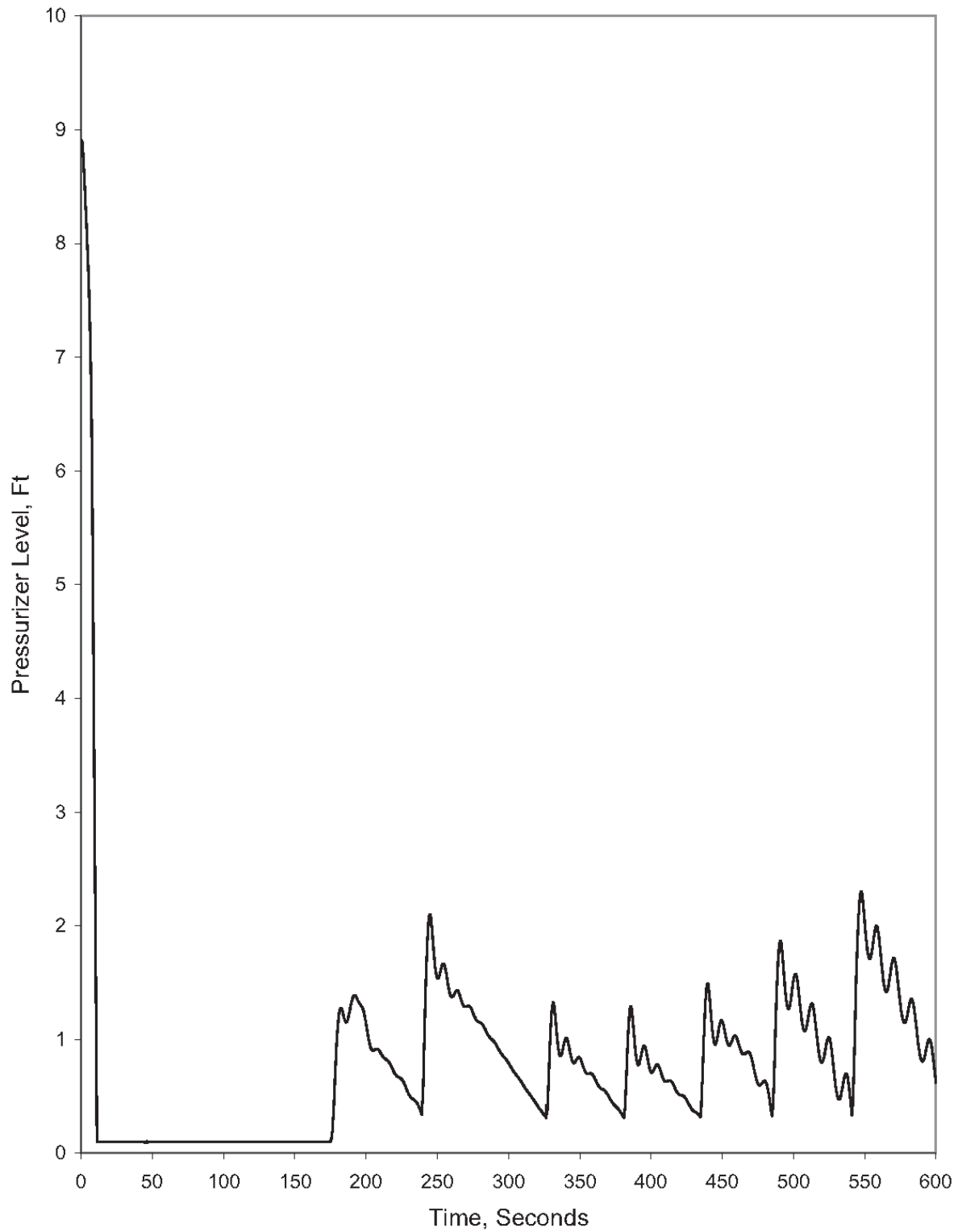


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Reactivity vs. Time

Figure
15.1-38

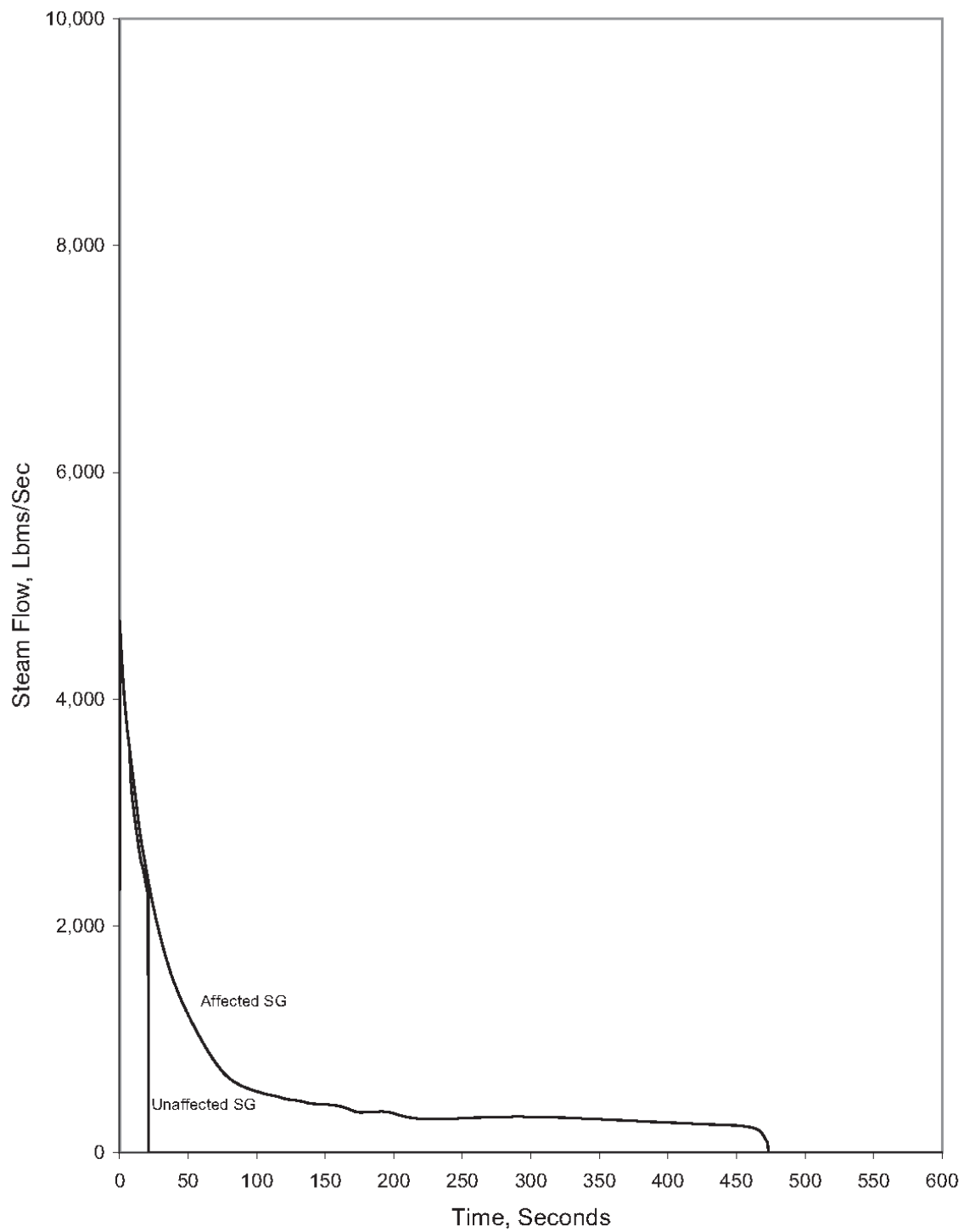


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Pressurizer Level vs. Time

Figure
15.1-38a

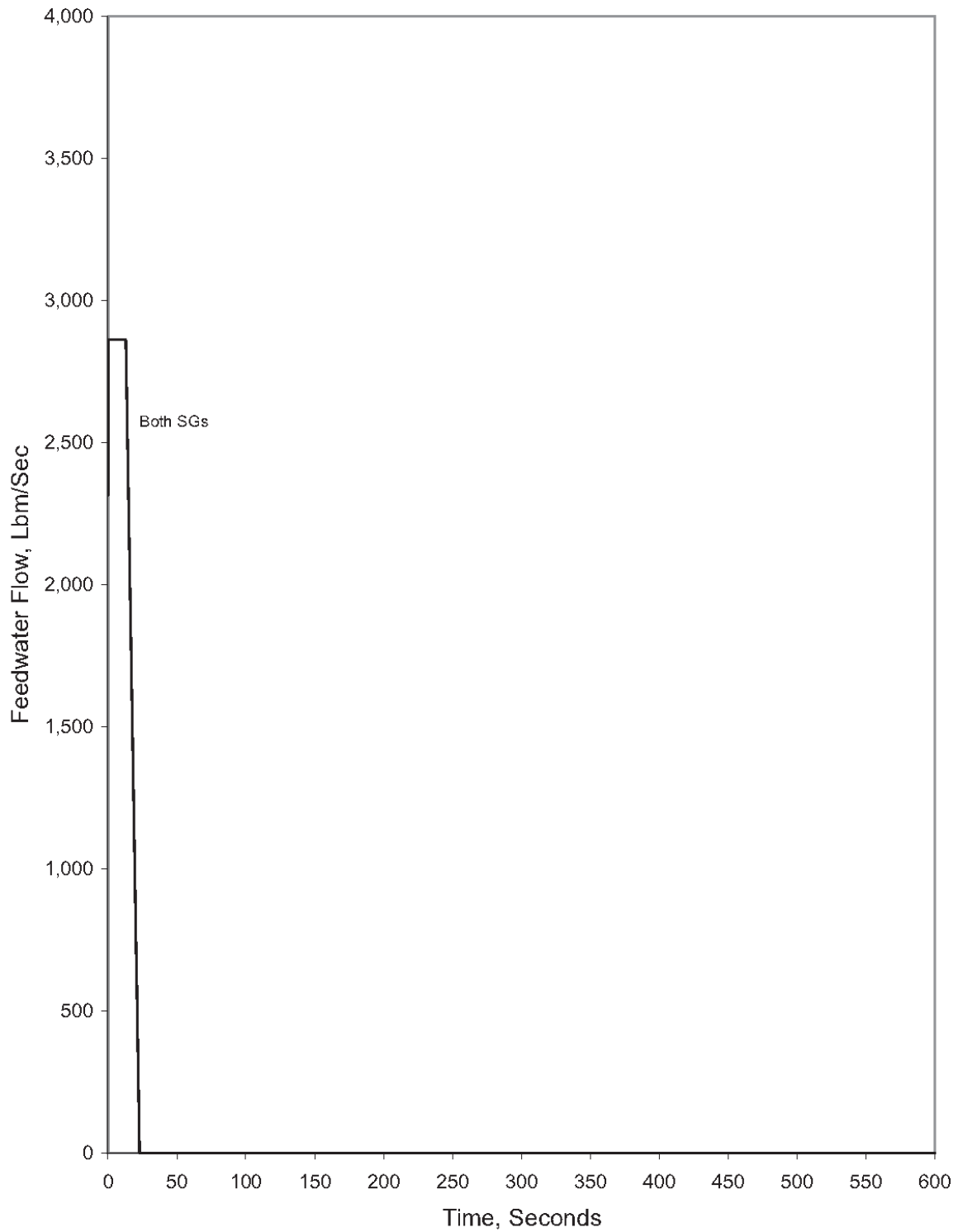


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Steam Flow vs. Time

Figure
15.1-38b

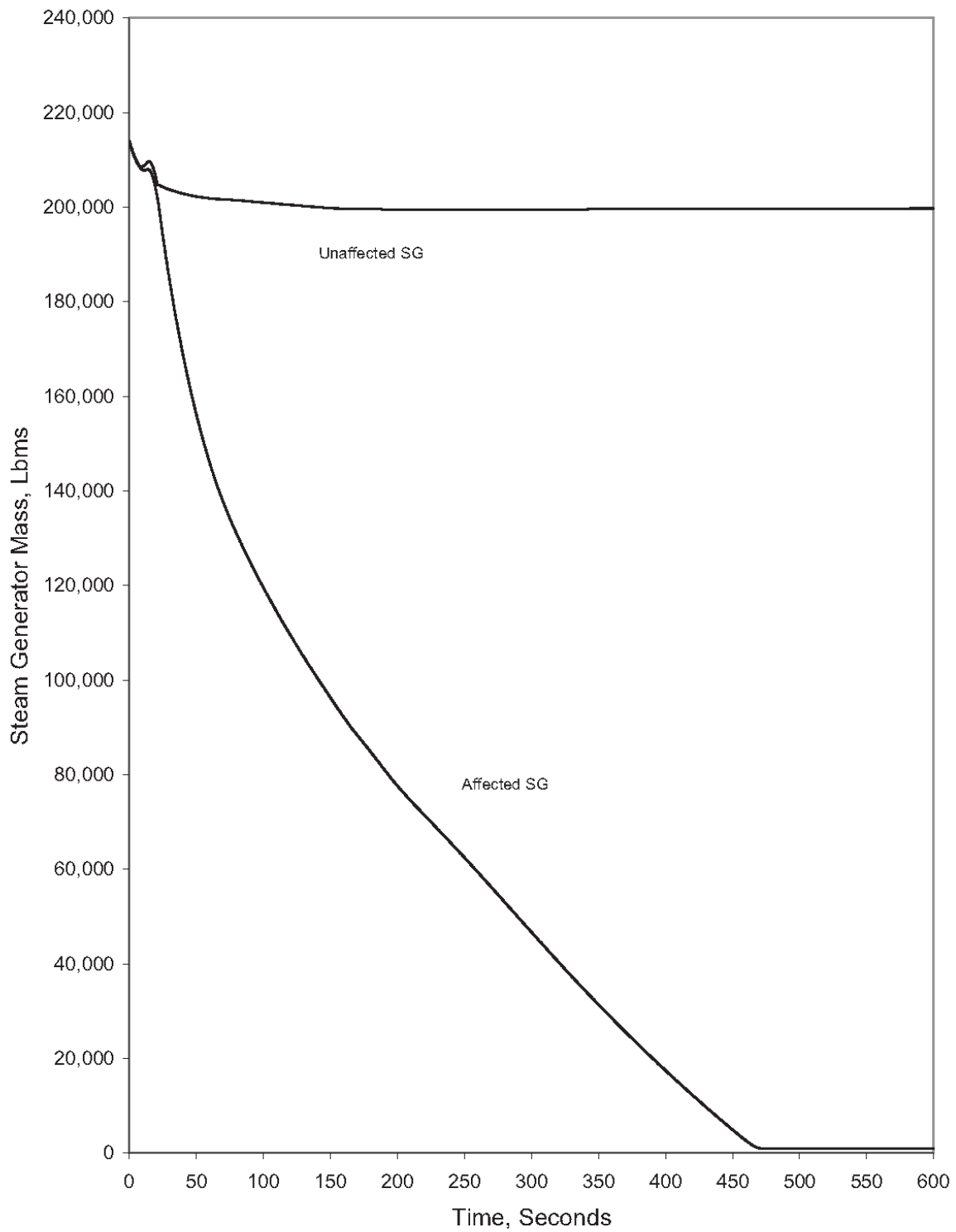


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Feedwater Flow vs. Time

Figure
15.1-38c

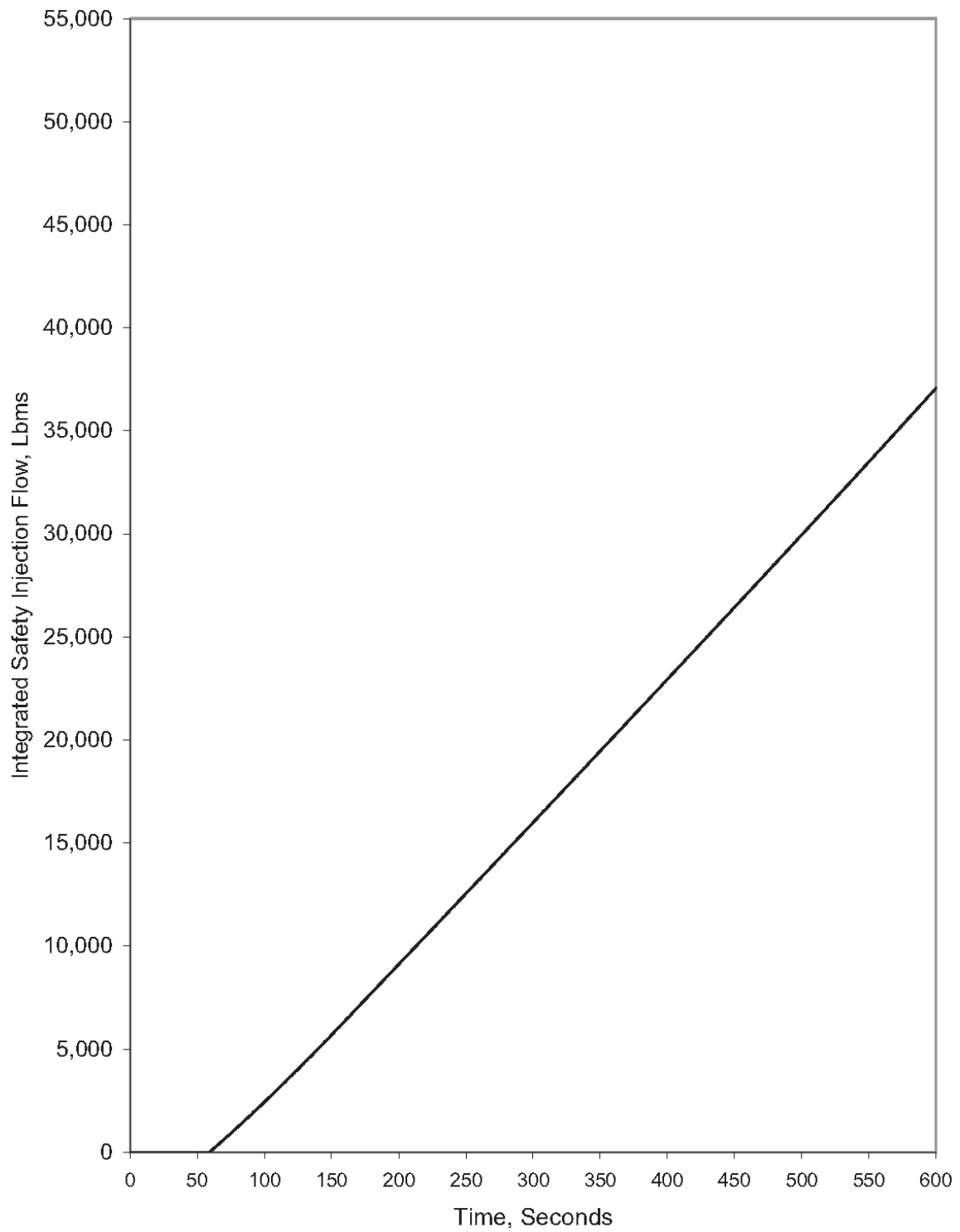


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Steam Generator Mass vs. Time

Figure
15.1-38d

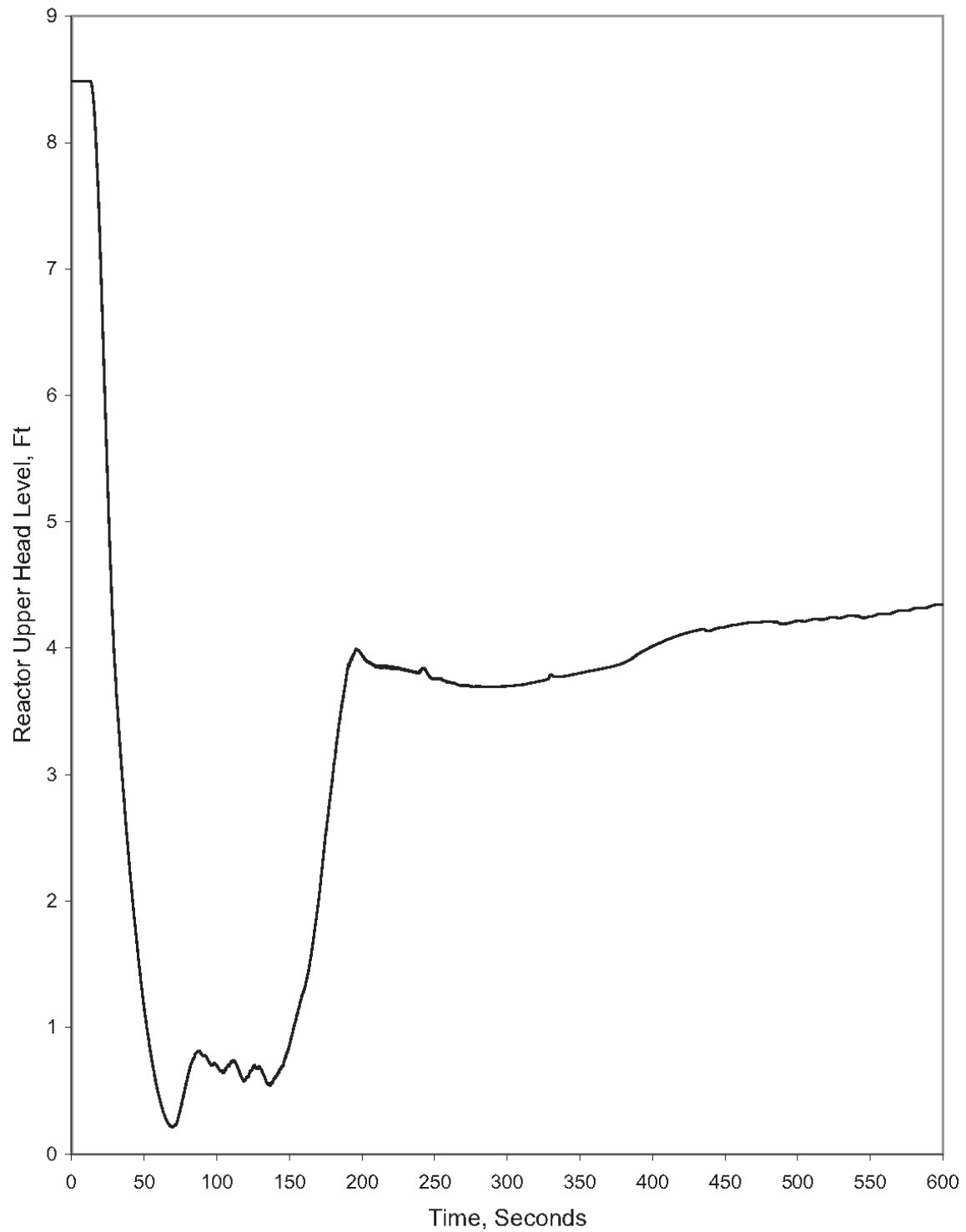


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Integrated Safety Injection Flow vs. Time

Figure
15.1-38e

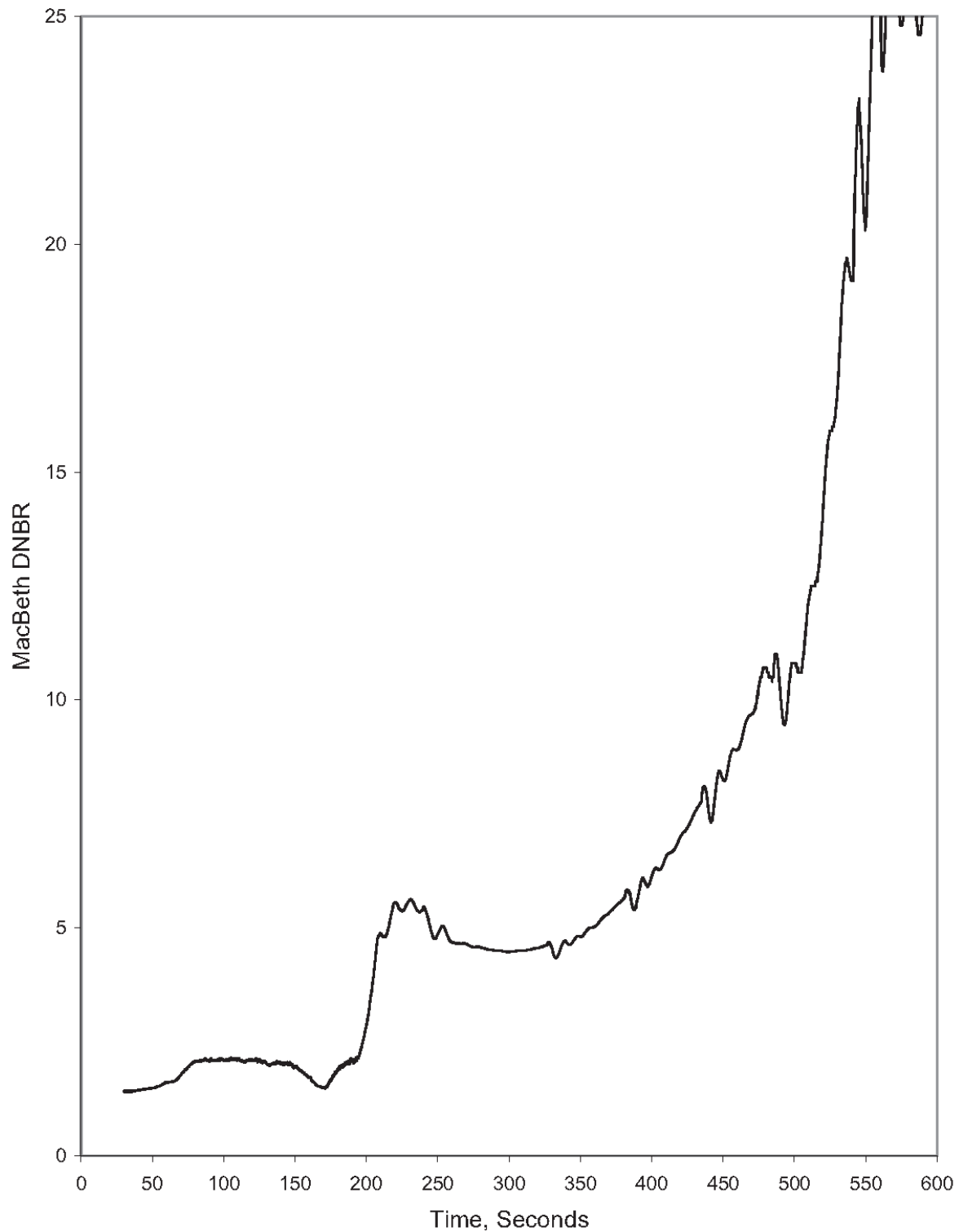


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
Reactor Vessel Level vs. Time

Figure
15.1-38f



Revision 307 (07/13)

Waterford Steam
Electric Station #3

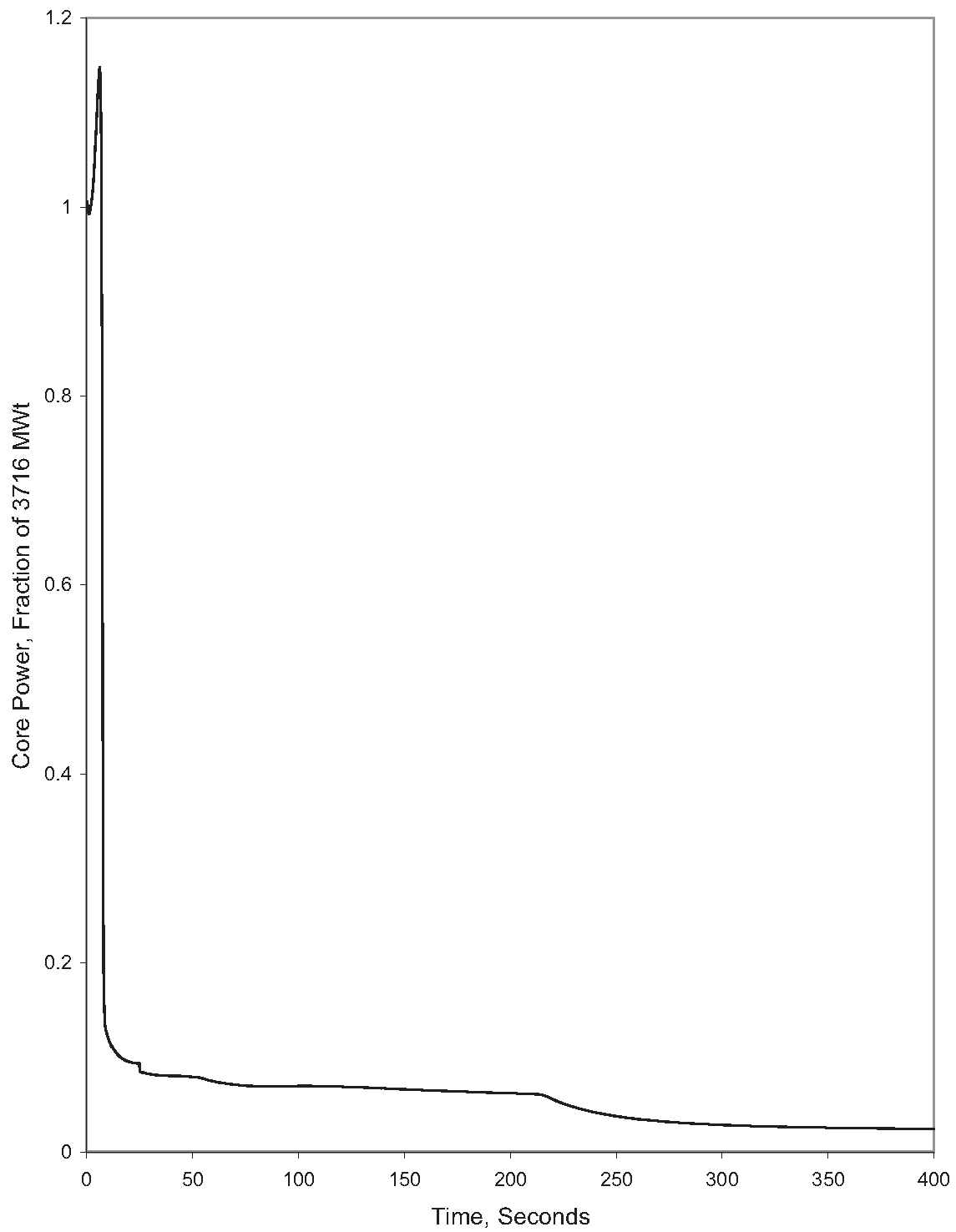
Return to Power Steam Line Break
Inside Containment, Hot Full Power, Loss of Offsite Power
DNBR vs. Time

Figure
15.1-38g

FIGURES 15.1-39 THROUGH 15.1-46
HAVE BEEN INTENTIONALLY
DELETED

REVISION 1 (12/87)

LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station #3

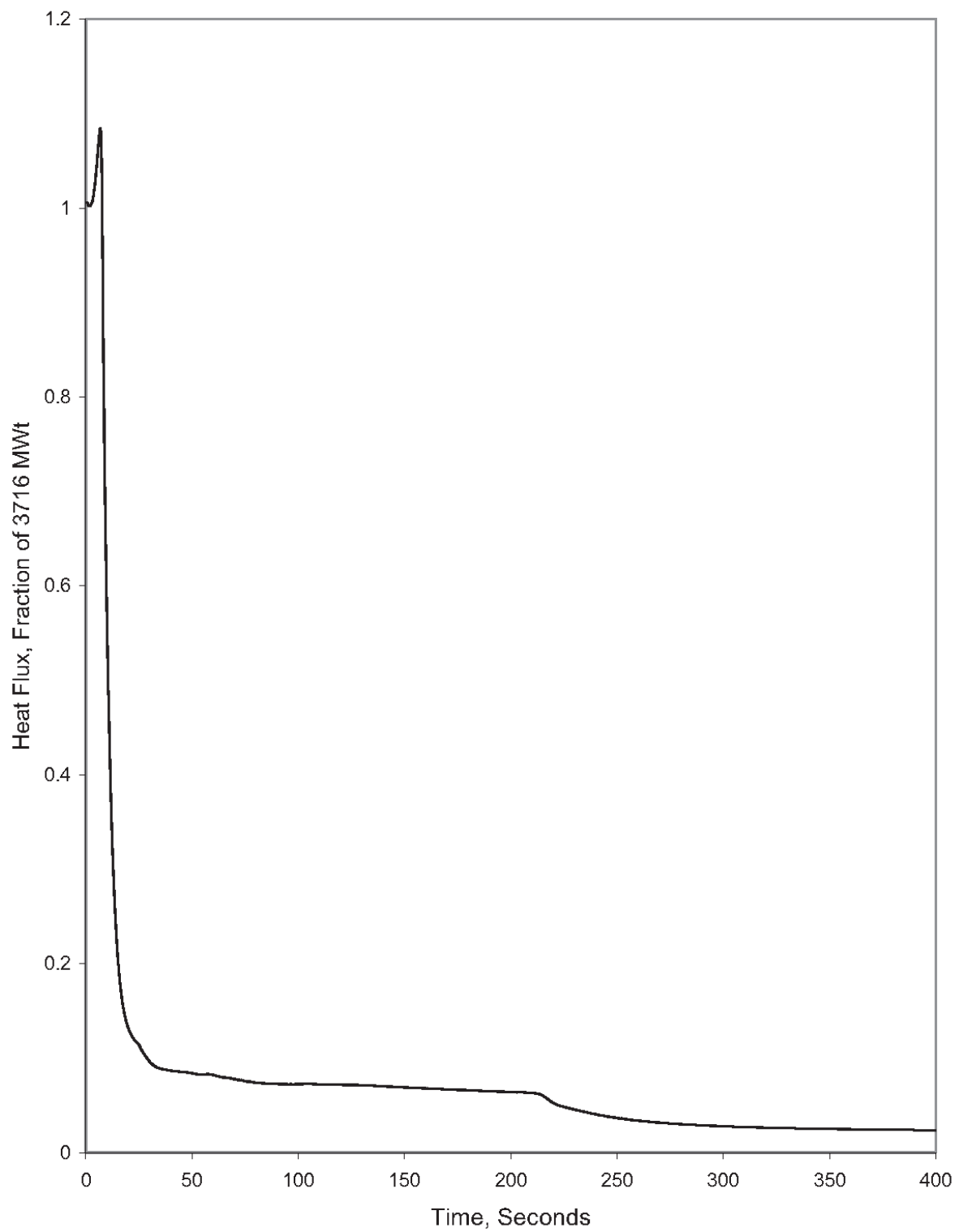


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Core Power vs. Time

Figure
15.1-47

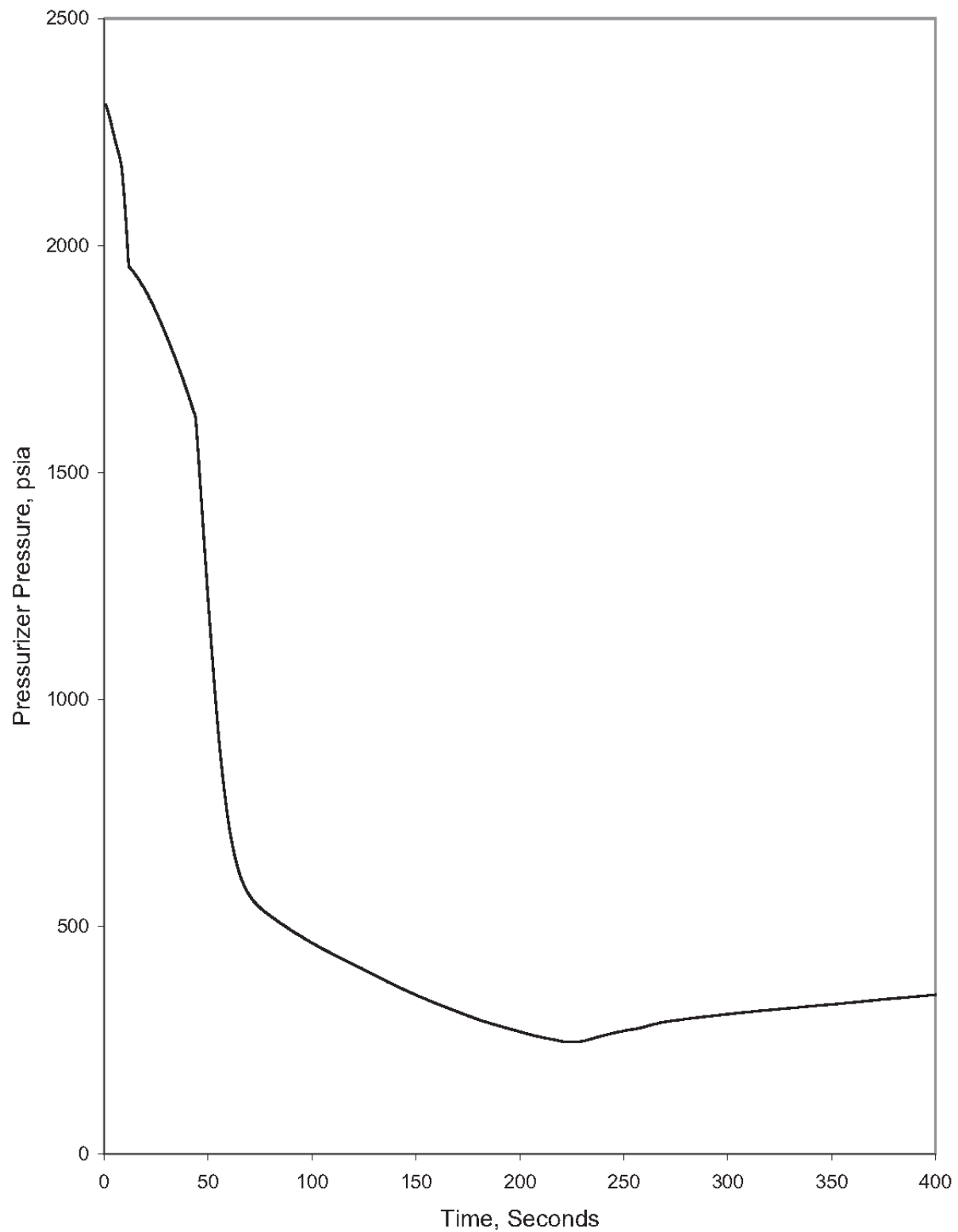


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Core Heat Flux vs. Time

Figure
15.1-48



Revision 307 (07/13)

Waterford Steam
Electric Station #3

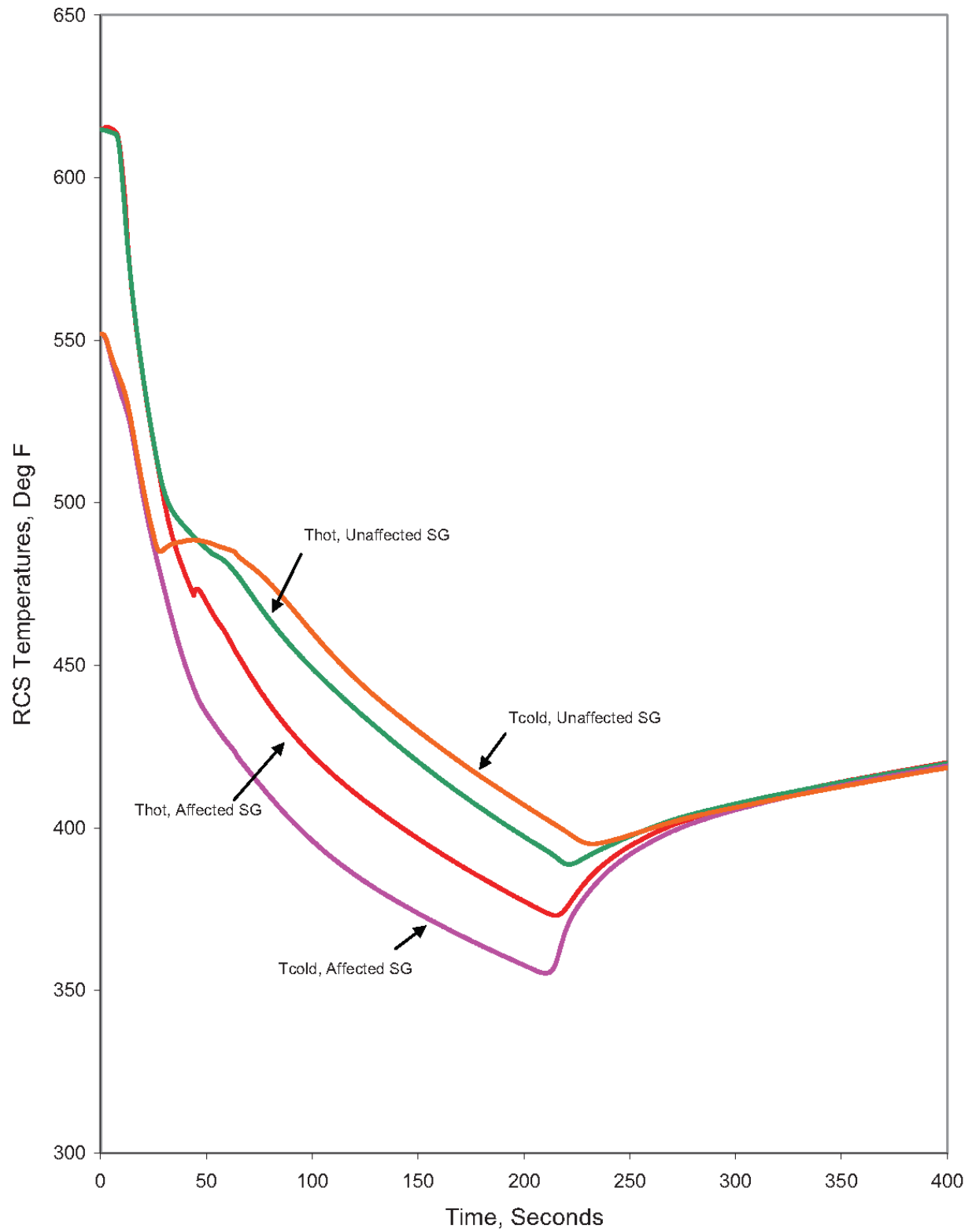
Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Pressurizer Pressure vs. Time

Figure
15.1-49

→(DRN 05-543, R14)

Figure 15.1-50 has been intentionally deleted.

←(DRN 05-543, R14)



Revision 307 (07/13)

Waterford Steam
Electric Station #3

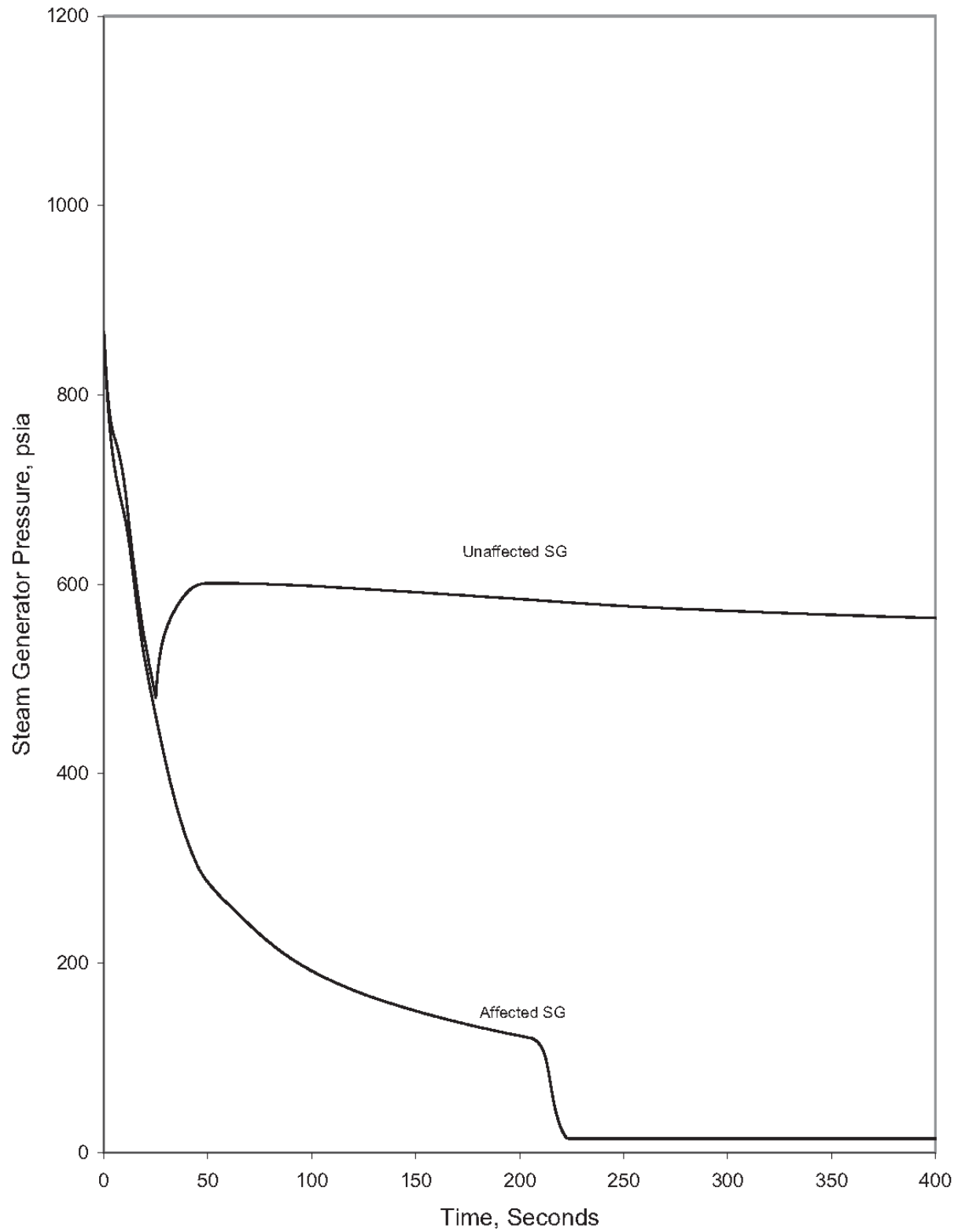
Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Reactor Coolant System Temperatures vs. Time

Figure
15.1-51

→(DRN 05-543, R14)

Figure 15.1-52 has been intentionally deleted.

←(DRN 05-543, R14)

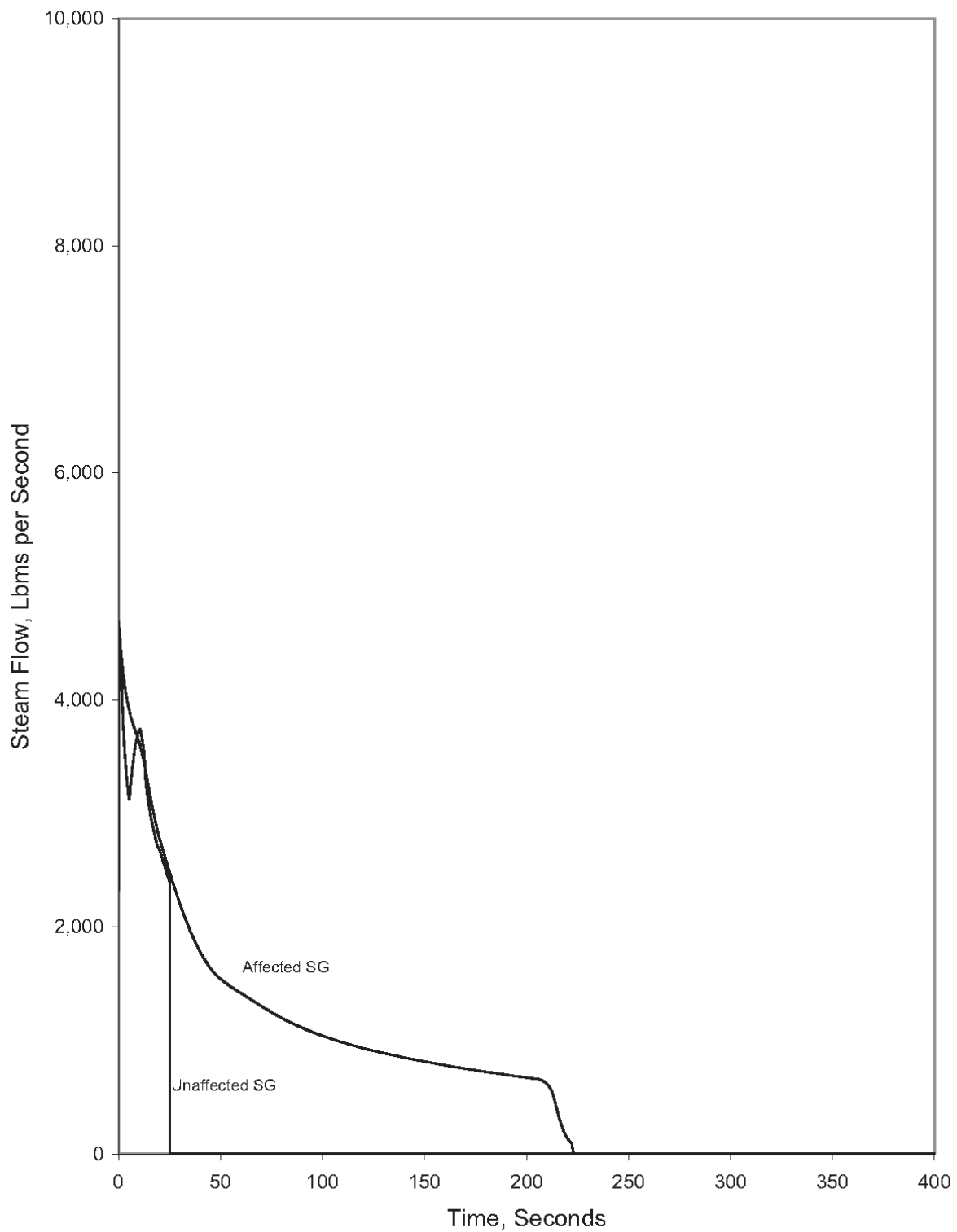


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Steam Generator Pressure vs. Time

Figure
15.1-53

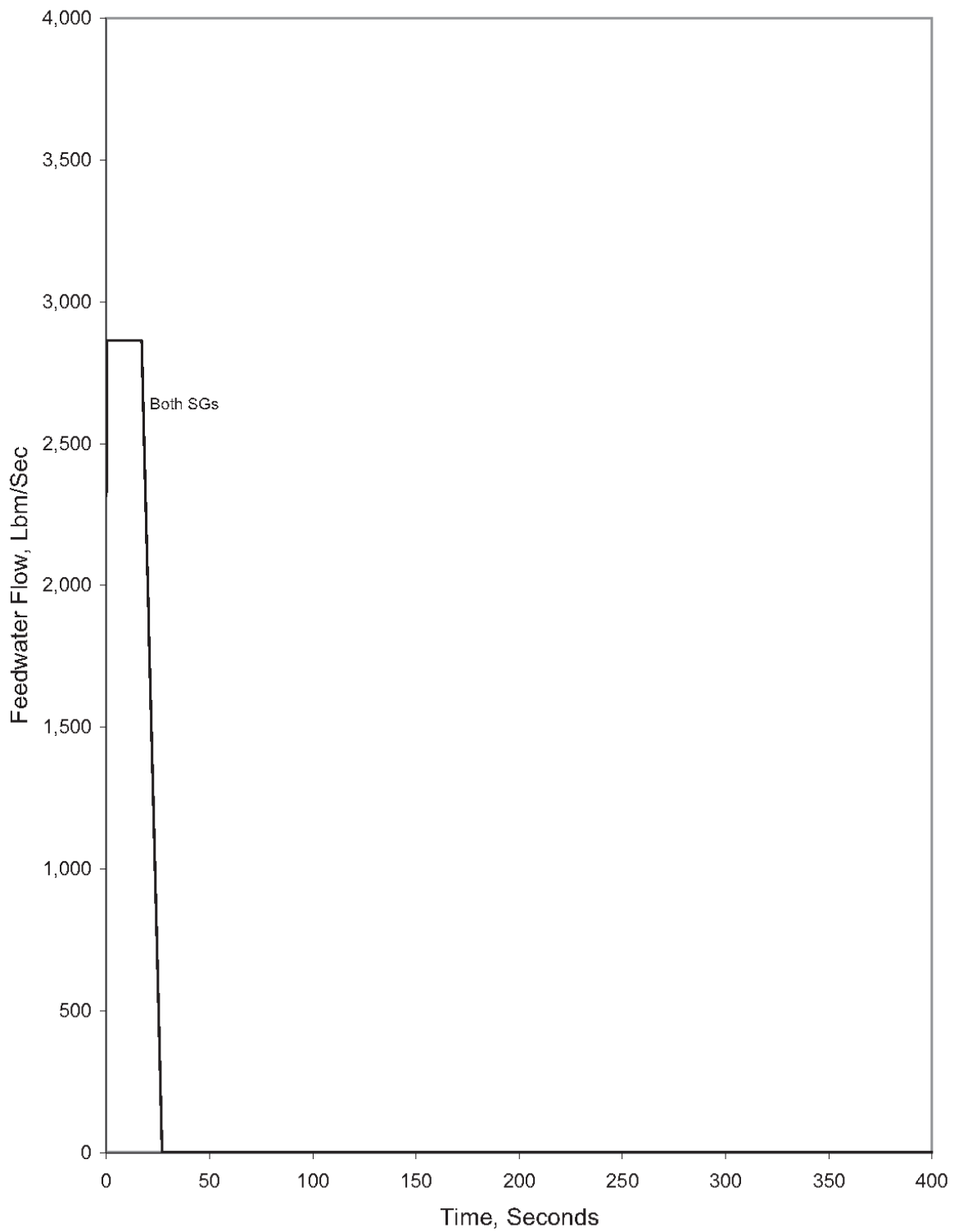


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Steam Flow vs. Time

Figure
15.1-54



Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Feedwater Flow vs. Time

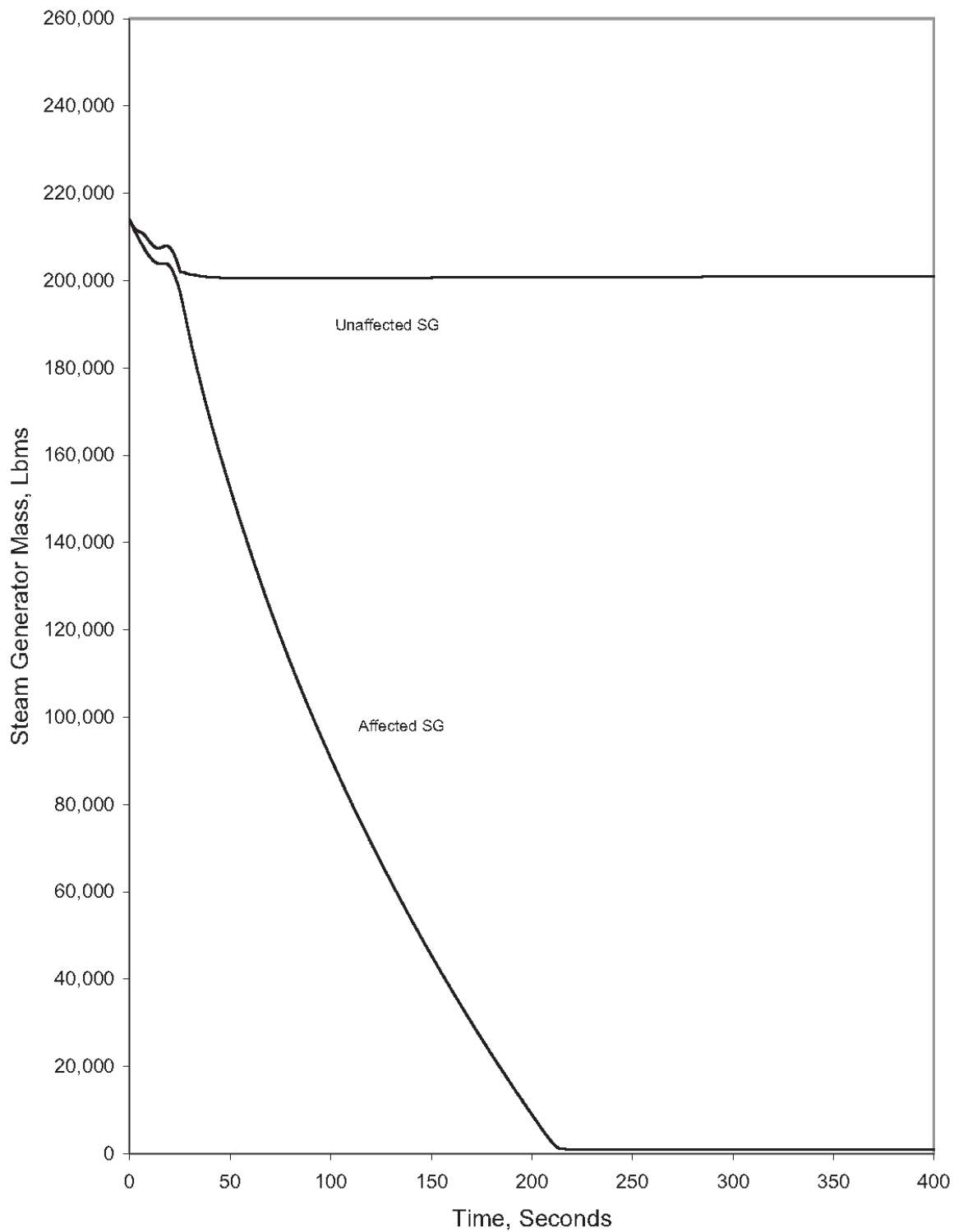
Figure
15.1-55

WSES-FSAR-UNIT-3

→ (DRN 05-543, R14)

Figure 15.1-56 has been intentionally deleted.

← (DRN 05-543, R14)

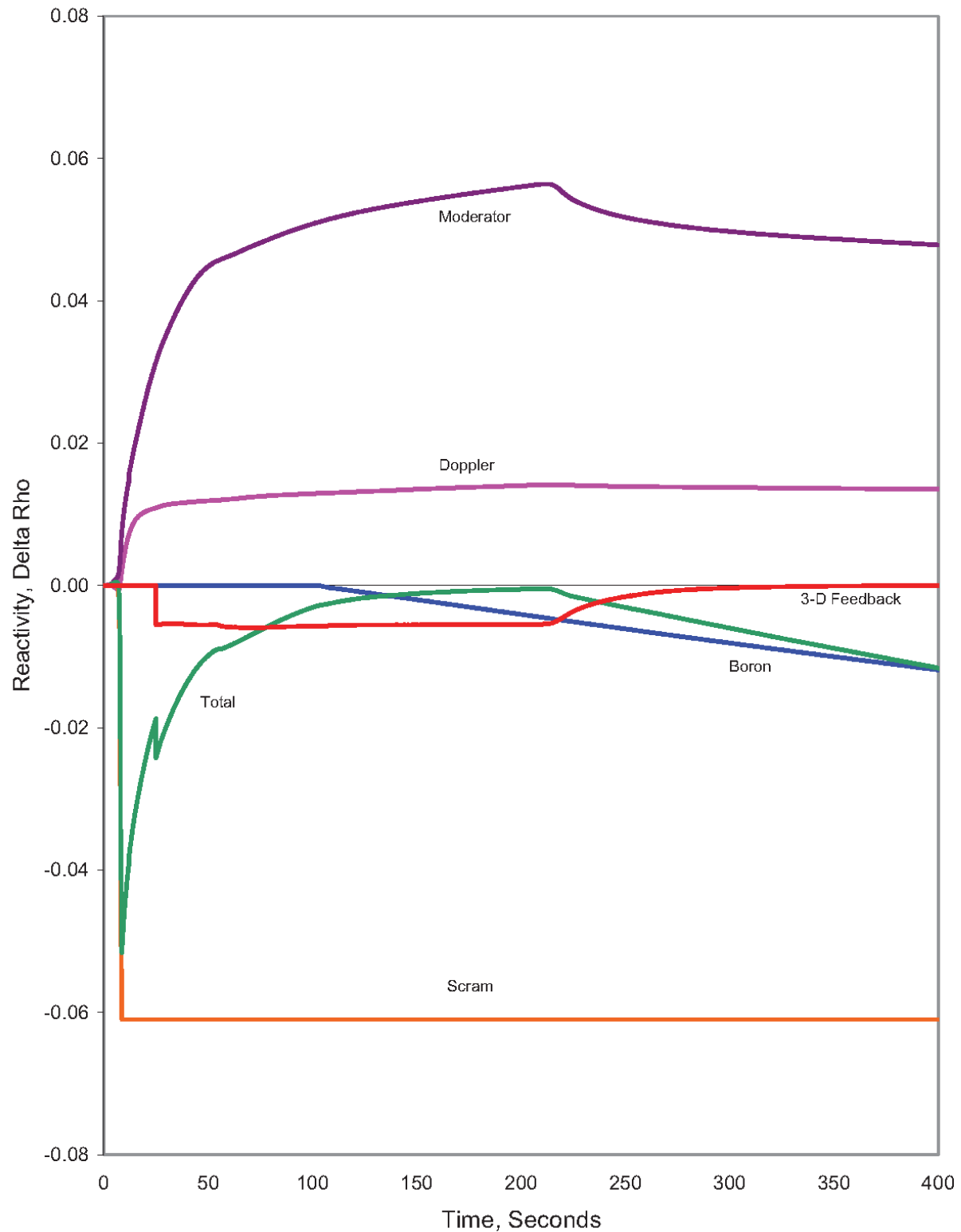


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Steam Generator Mass vs. Time

Figure
15.1-57

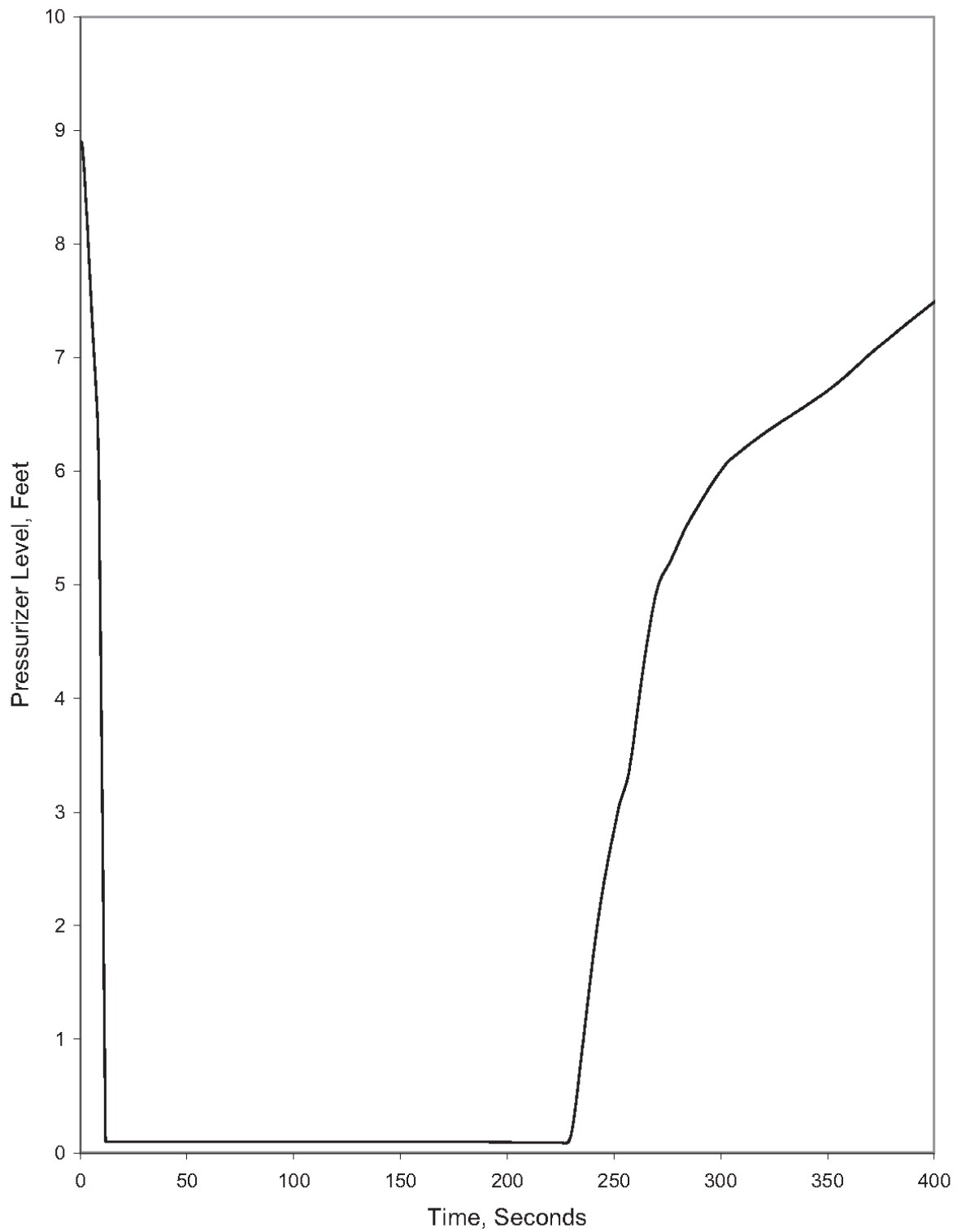


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Reactivity vs. Time

Figure
15.1-58

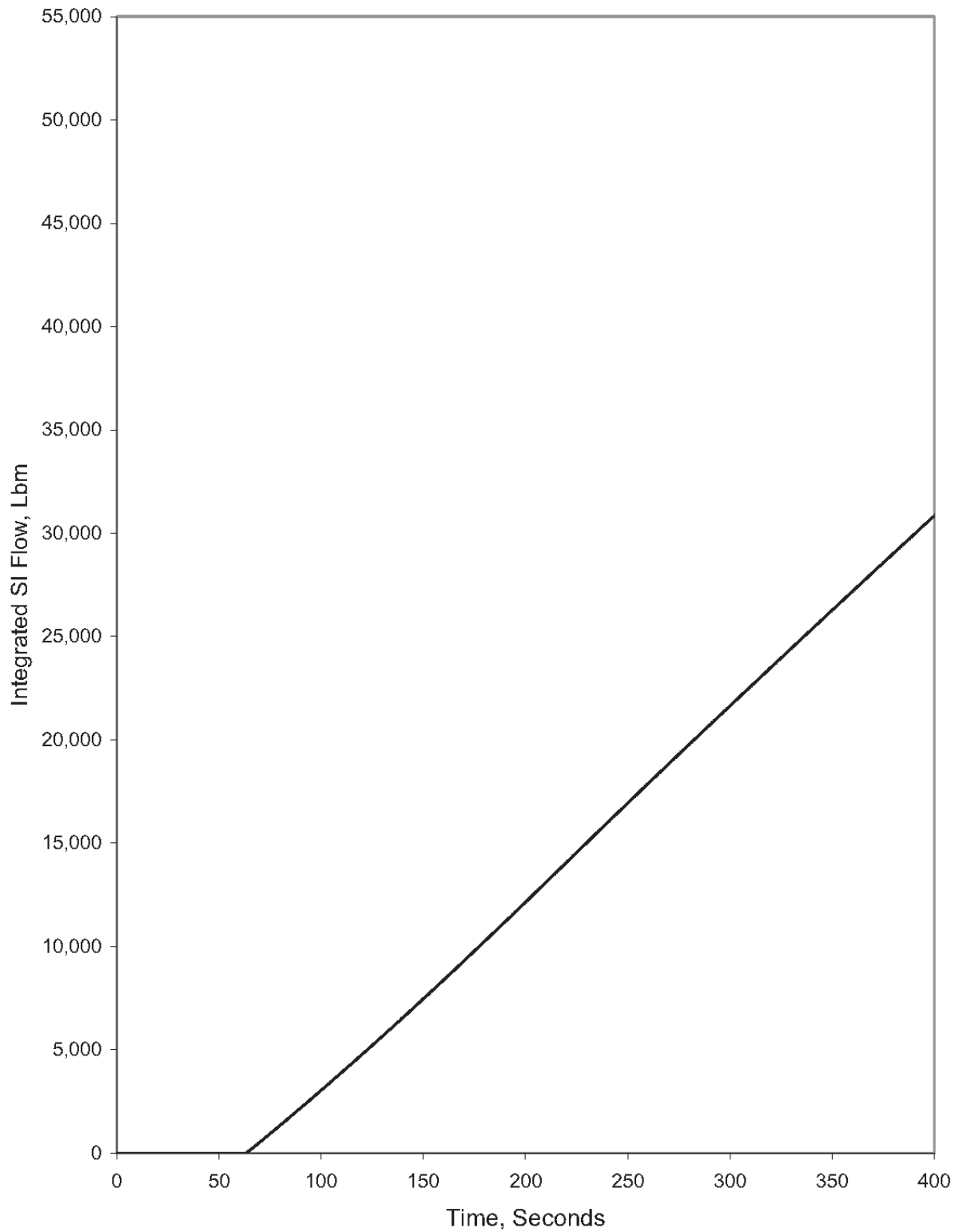


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Pressurizer Level vs. Time

Figure
15.1-58a

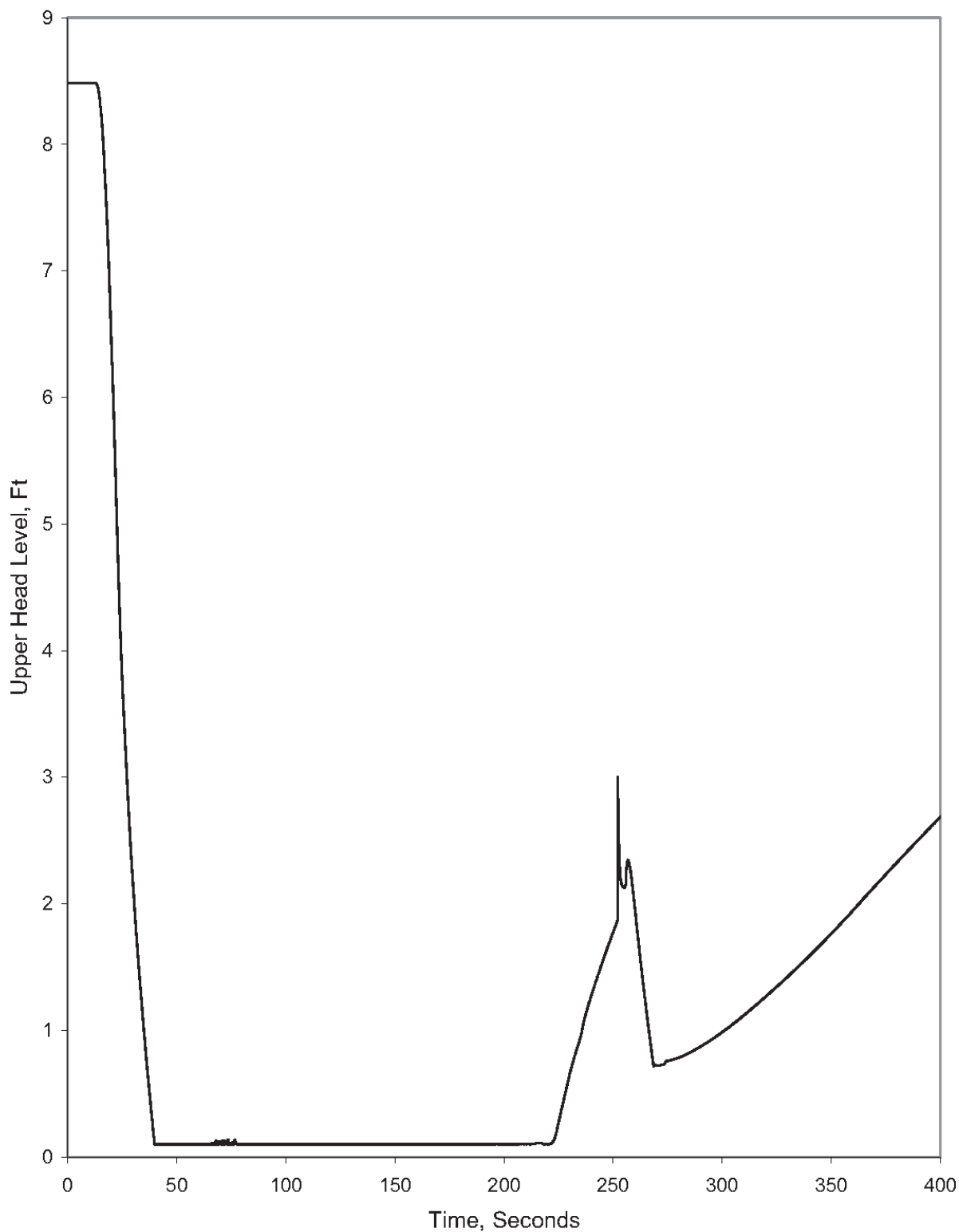


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Integrated Safety Injection Flow vs. Time

Figure
15.1-58b



Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Full Power, No Loss of Offsite Power
Reactor Vessel Upper Head Level vs. Time

Figure
15.1-58c

→(DRN 05-543, R14)

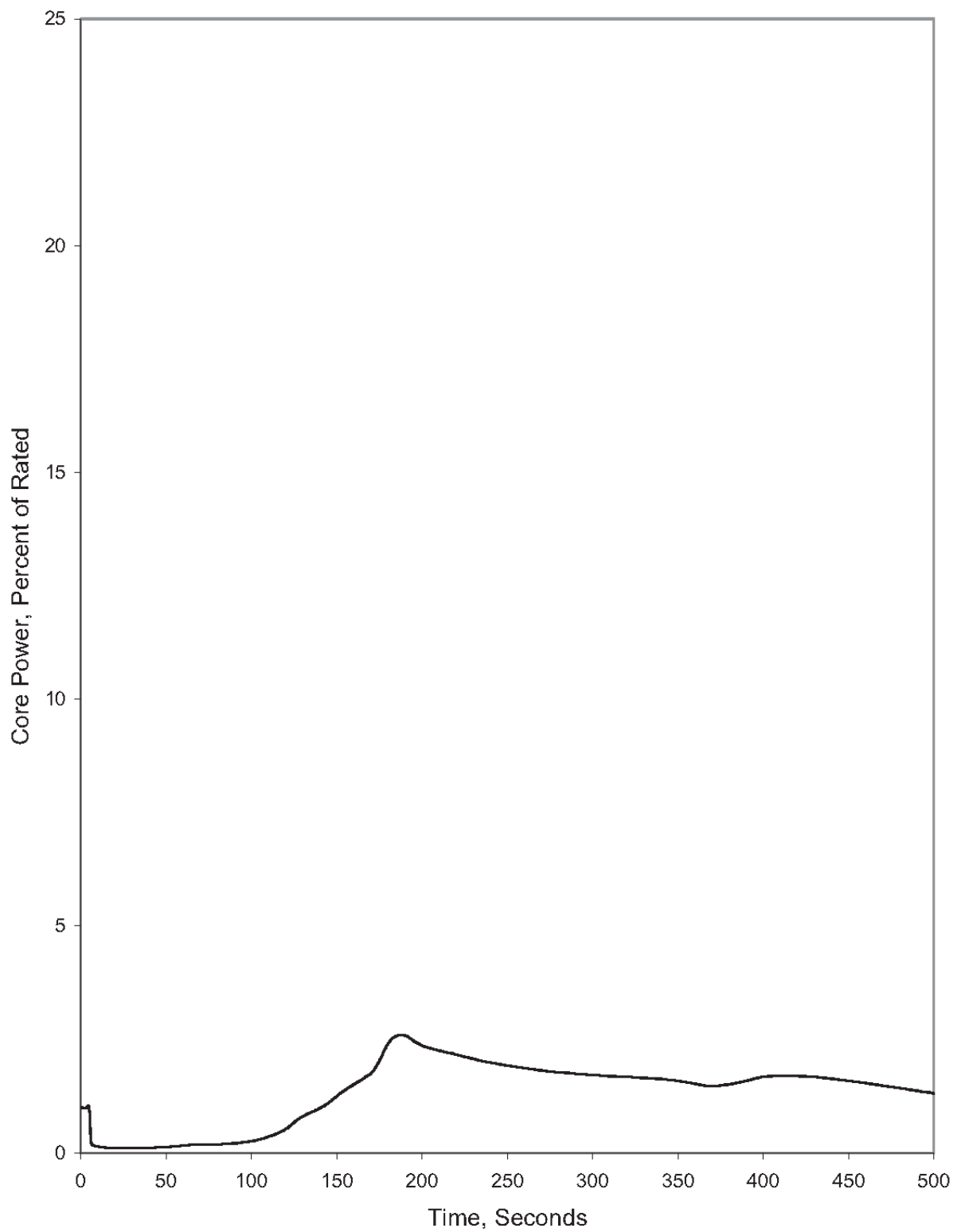
Figure 15.1-59 has been intentionally deleted.

←(DRN 05-543, R14)

→(DRN 05-543, R14)

Figure 15.1-60 has been intentionally deleted.

←(DRN 05-543, R14)

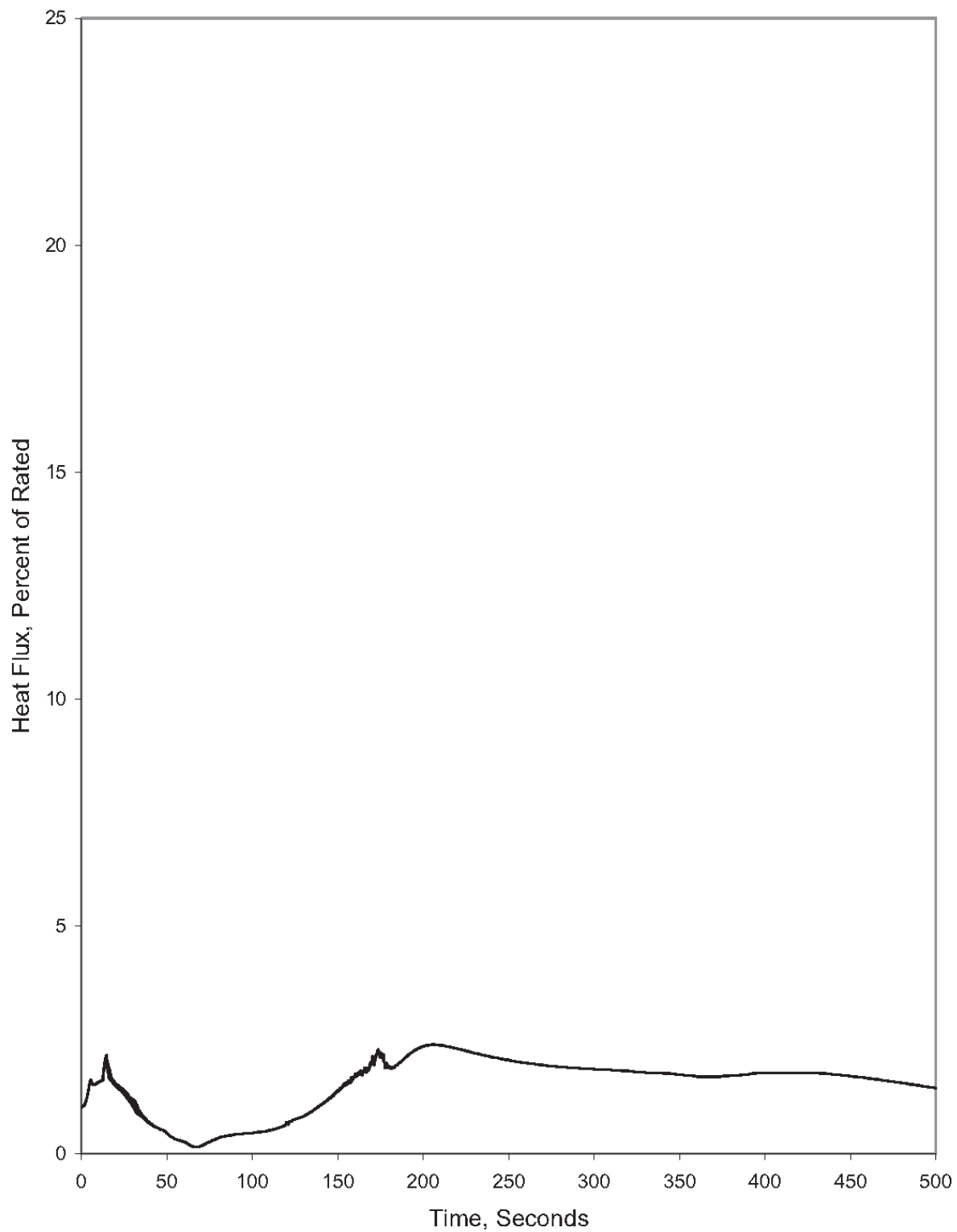


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Core Power vs. Time

Figure
15.1-61

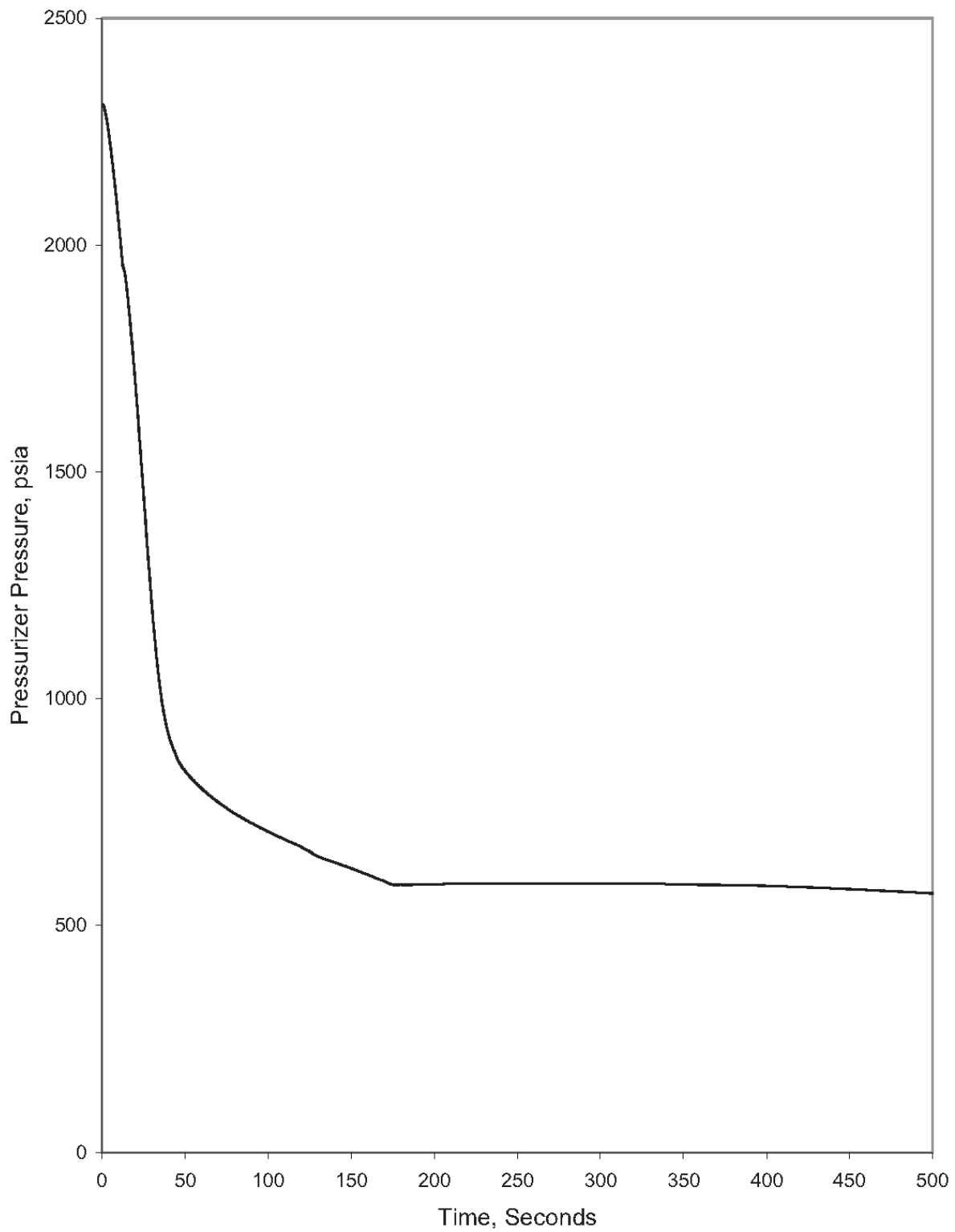


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Core Heat Flux vs. Time

Figure
15.1-62

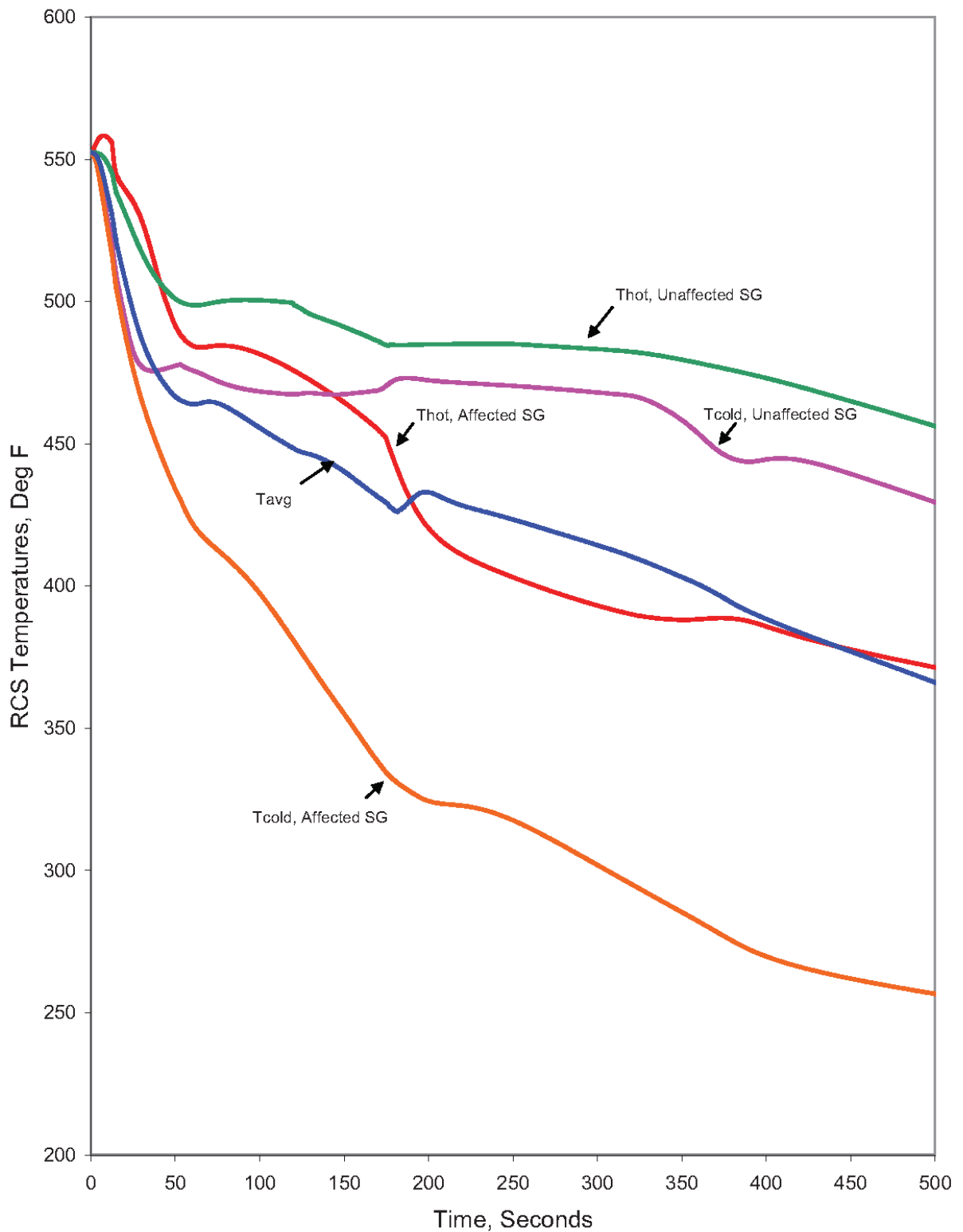


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Pressurizer Pressure vs. Time

Figure
15.1-63

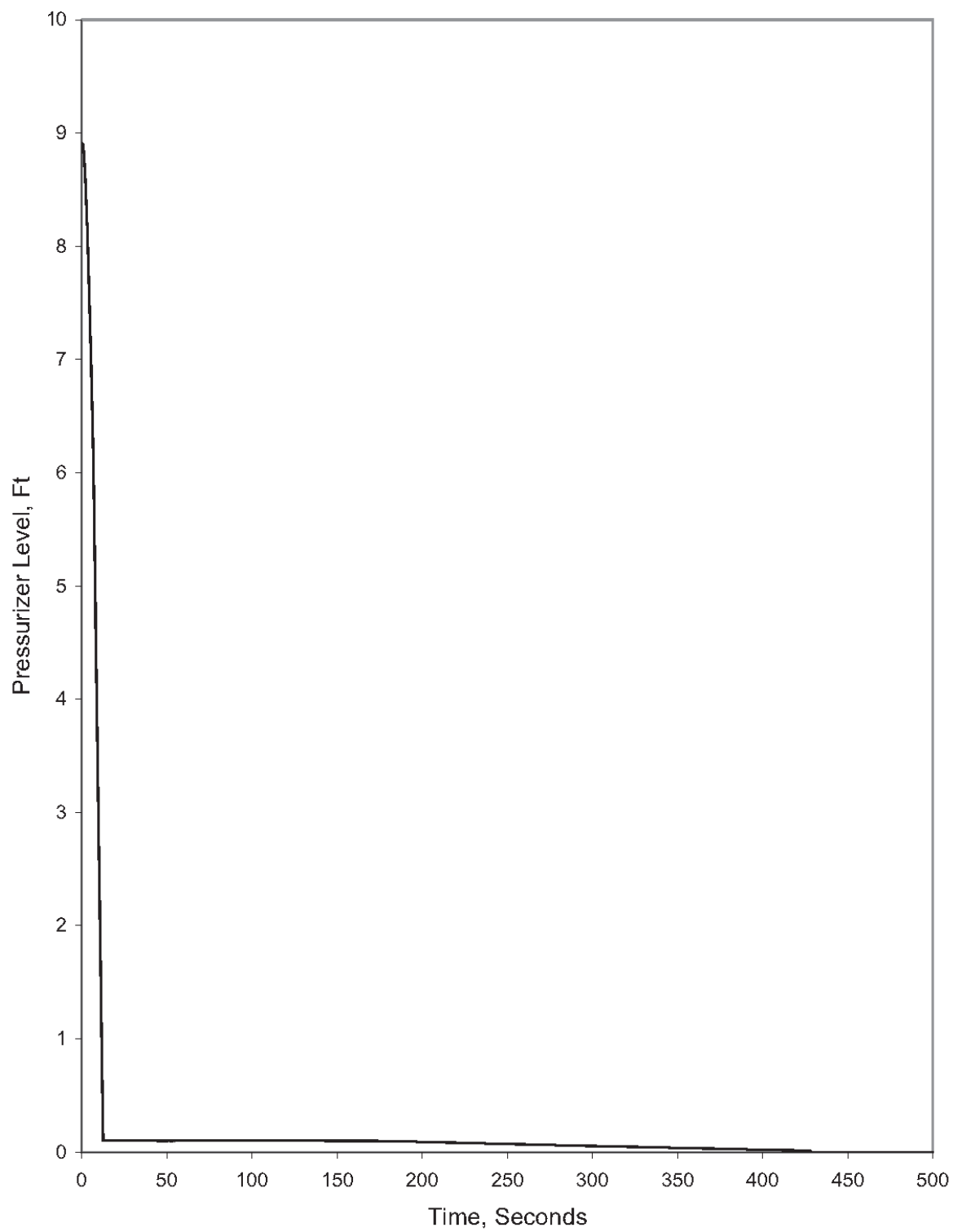


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Reactor Coolant System Temperature vs. Time

Figure
15.1-64

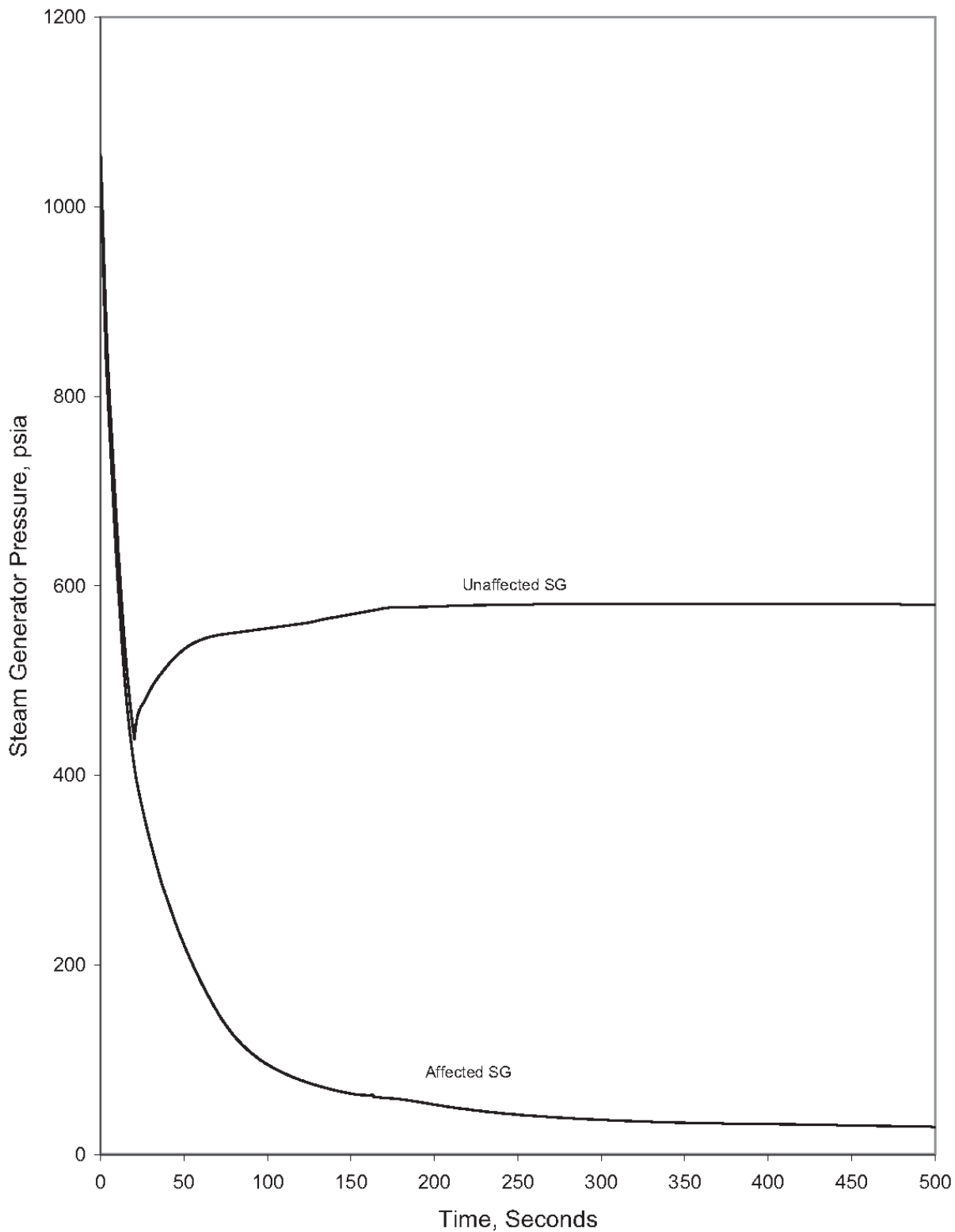


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Pressurizer Level vs. Time

Figure
15.1-65

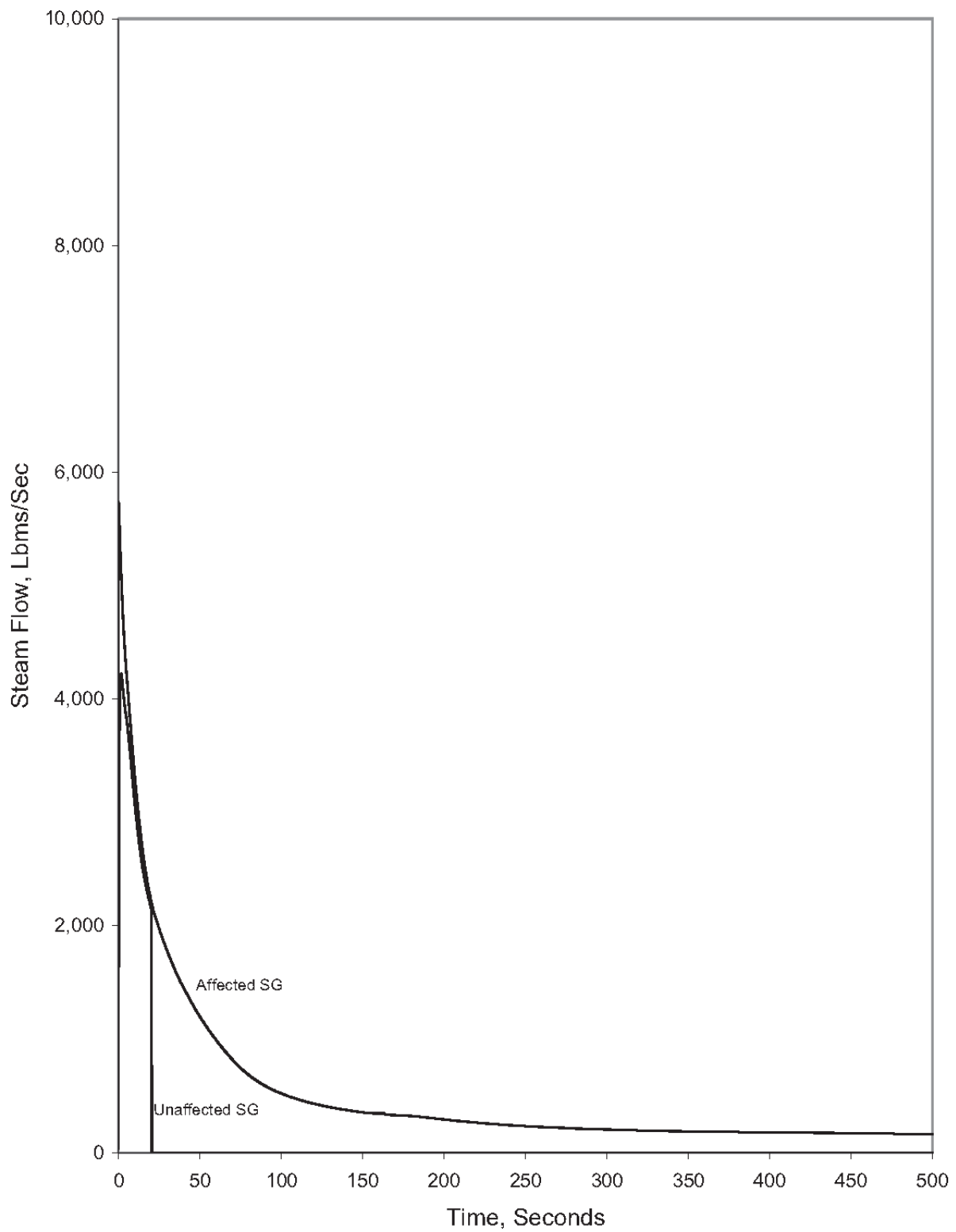


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Steam Generator Pressure vs. Time

Figure
15.1-66

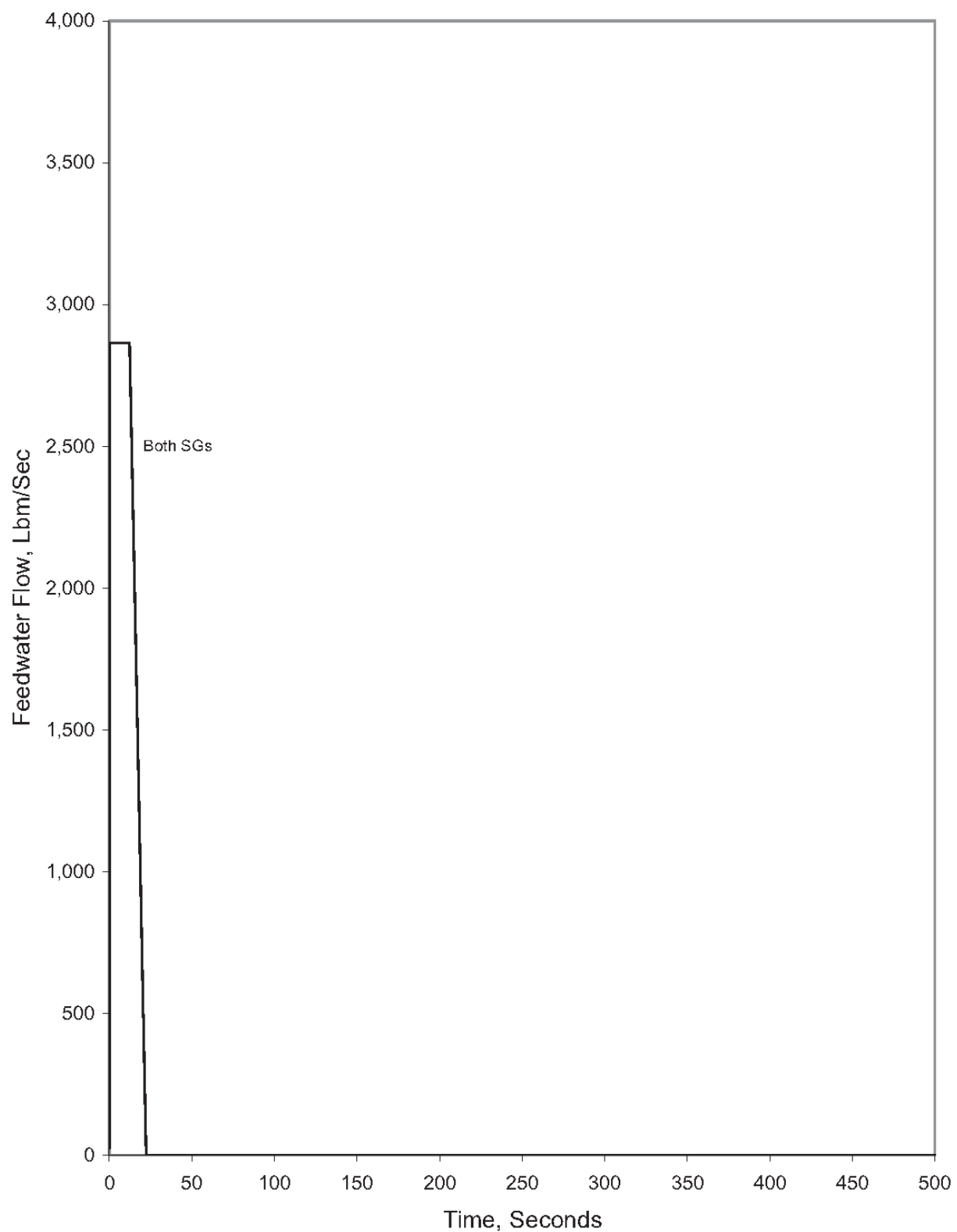


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Steam Flow vs. Time

Figure
15.1-67



Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Feedwater Flow vs. Time

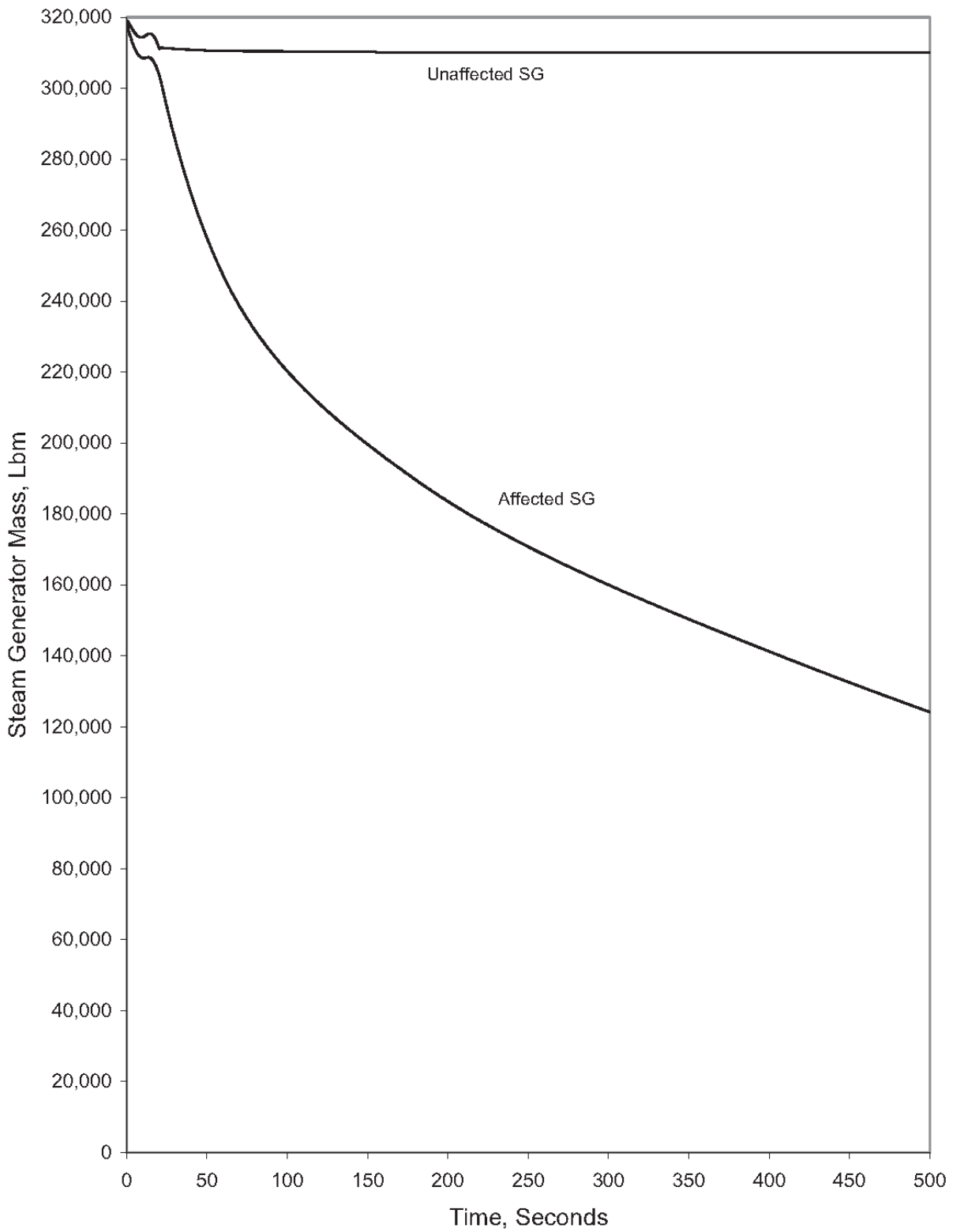
Figure
15.1-68

WSES-FSAR-UNIT-3

→ (DRN 05-543, R14)

Figure 15.1-69 has been intentionally deleted.

← (DRN 05-543, R14)

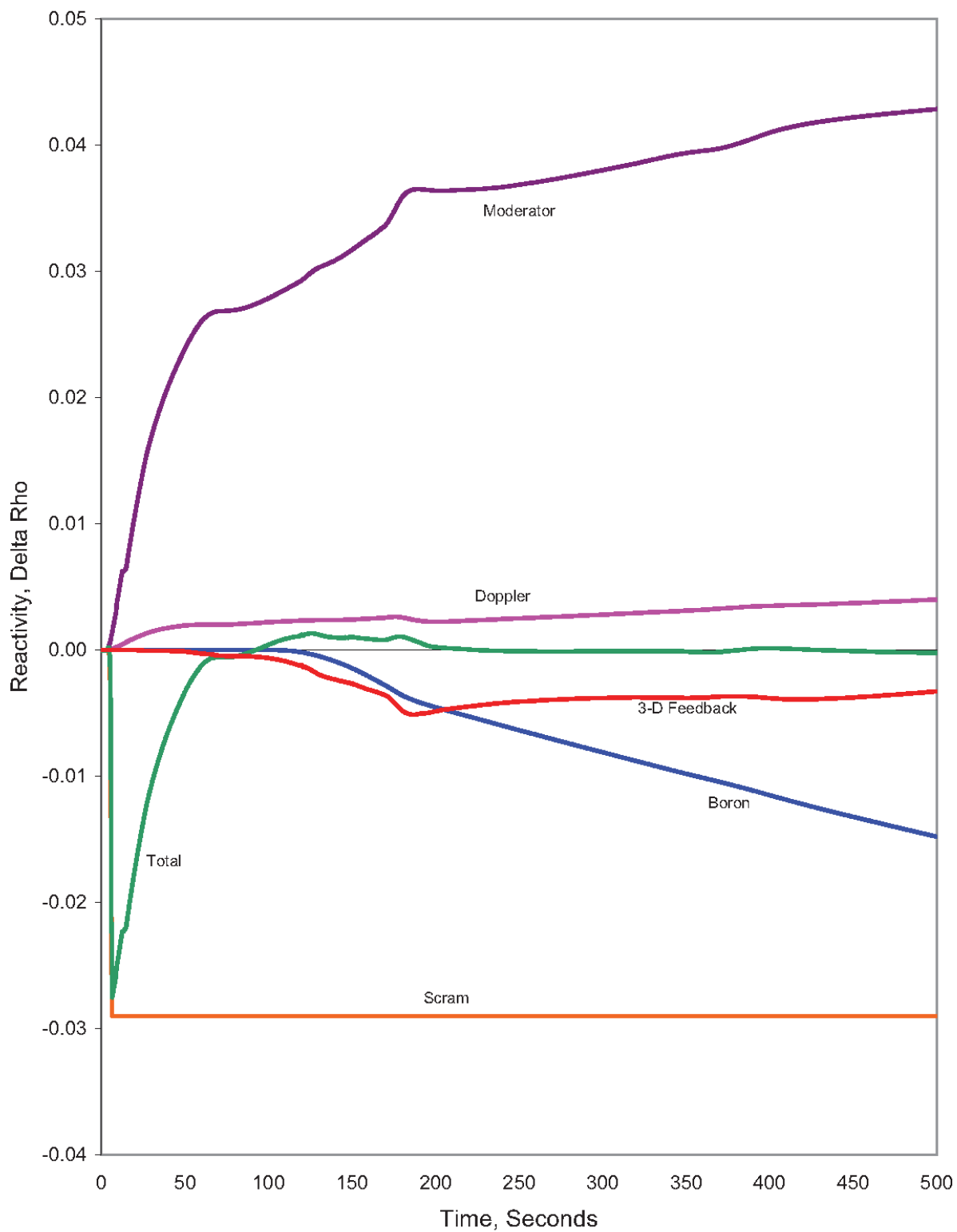


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Steam Generator Mass vs. Time

Figure
15.1-70



Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Reactivity vs. Time

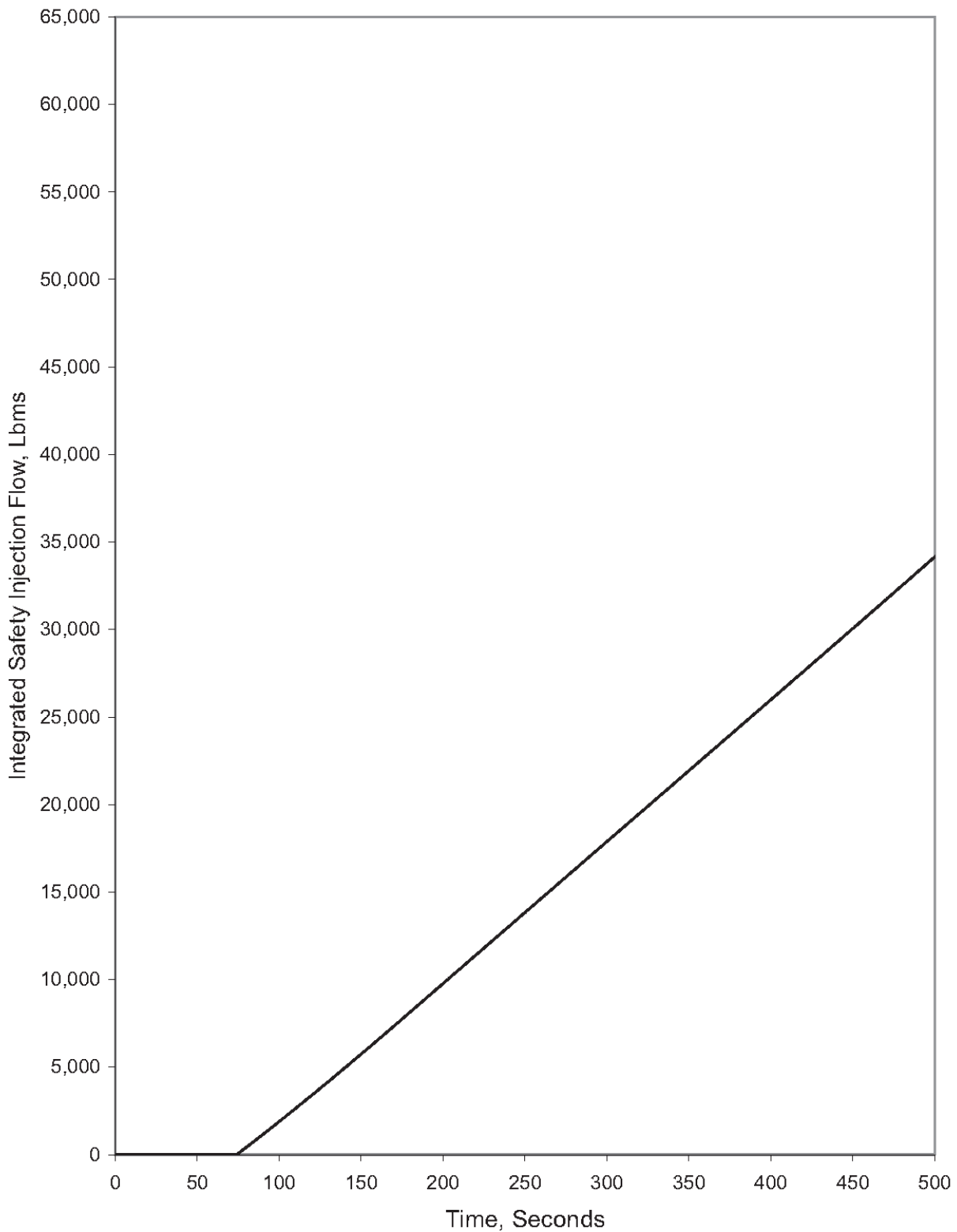
Figure
15.1-71

WSES-FSAR-UNIT-3

→ (DRN 05-543, R14)

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← (DRN 05-543, R14)

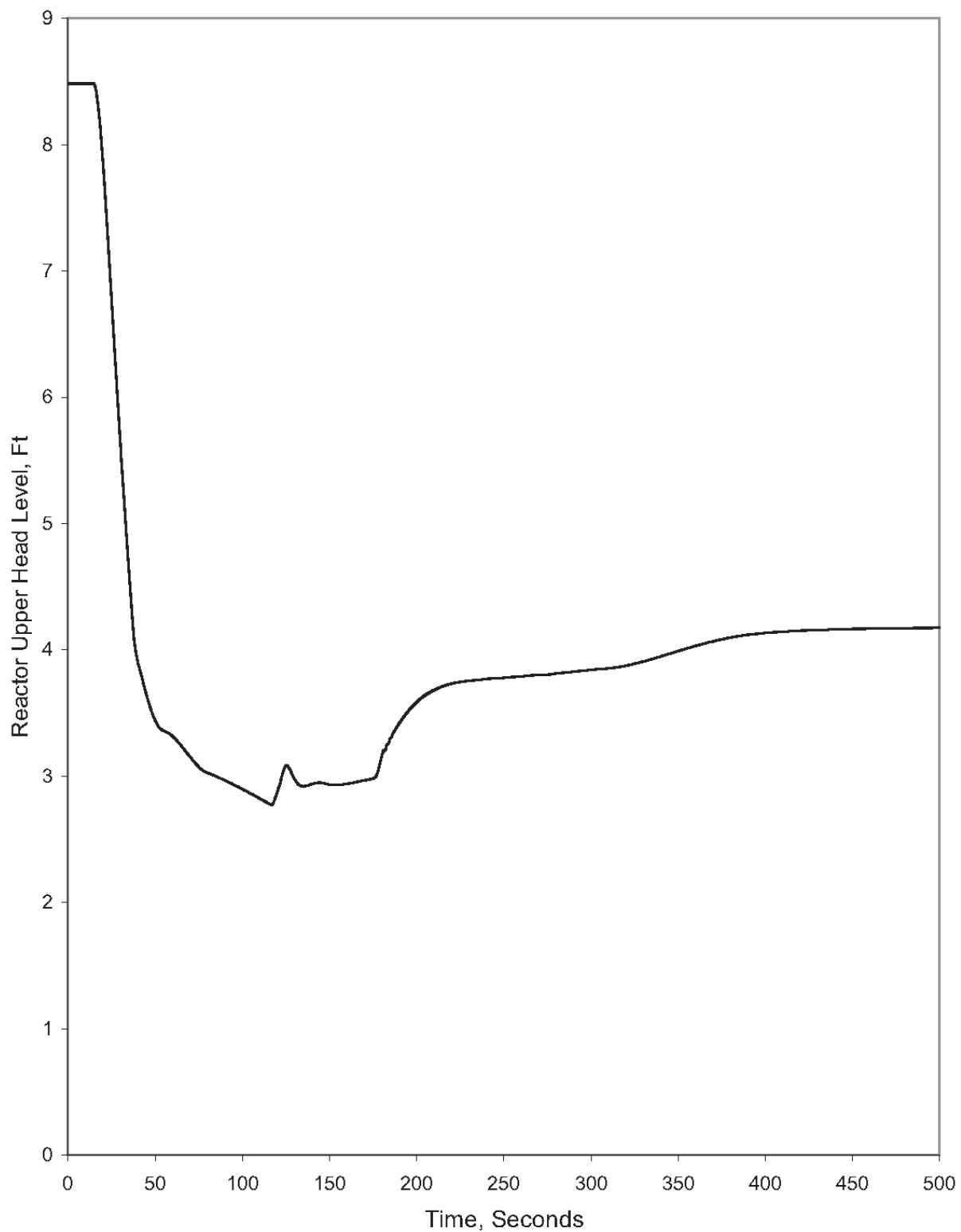


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Integrated Safety Injection Flow vs. Time

Figure
15.1-72a

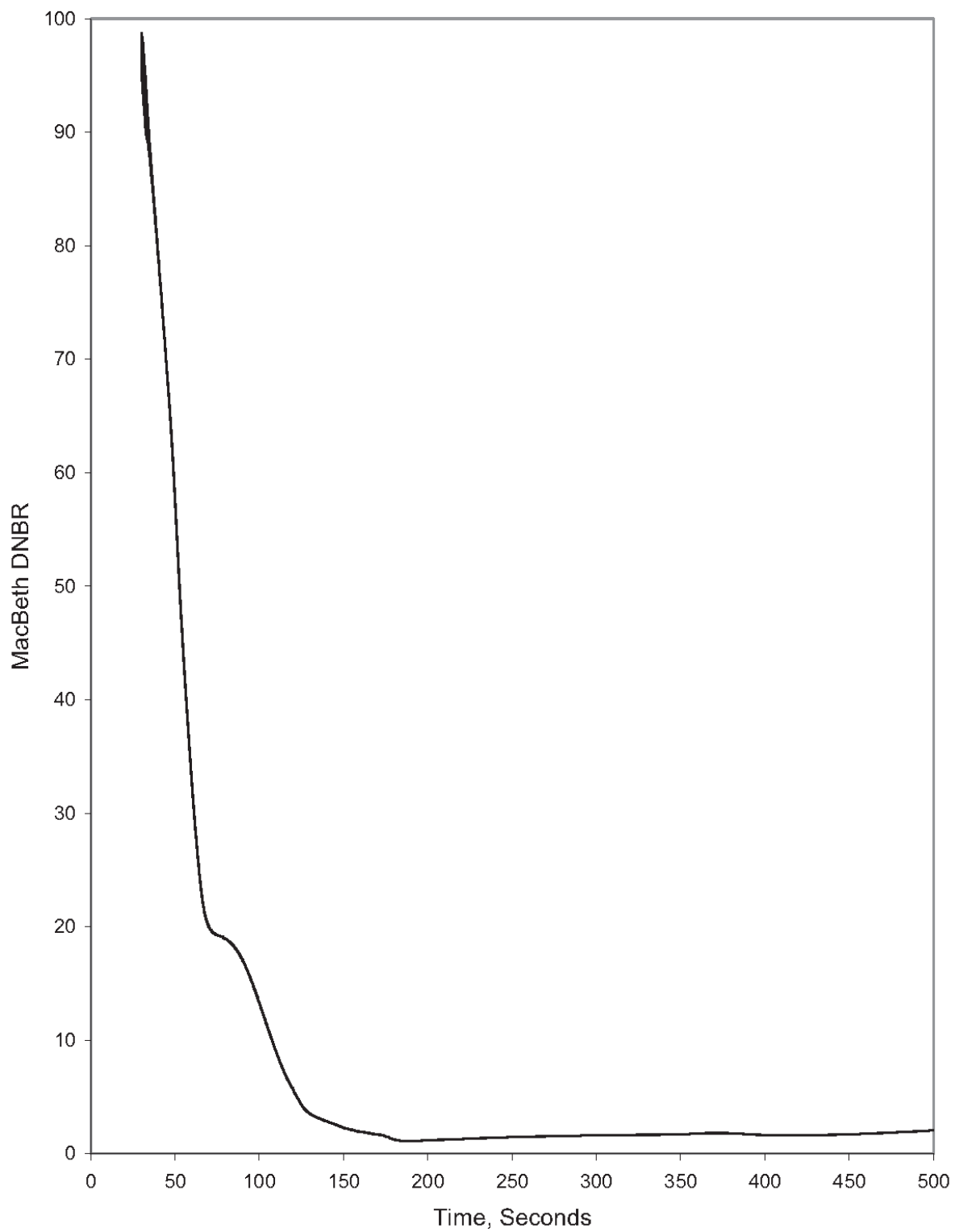


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
Reactor Vessel Level vs. Time

Figure
15.1-72b

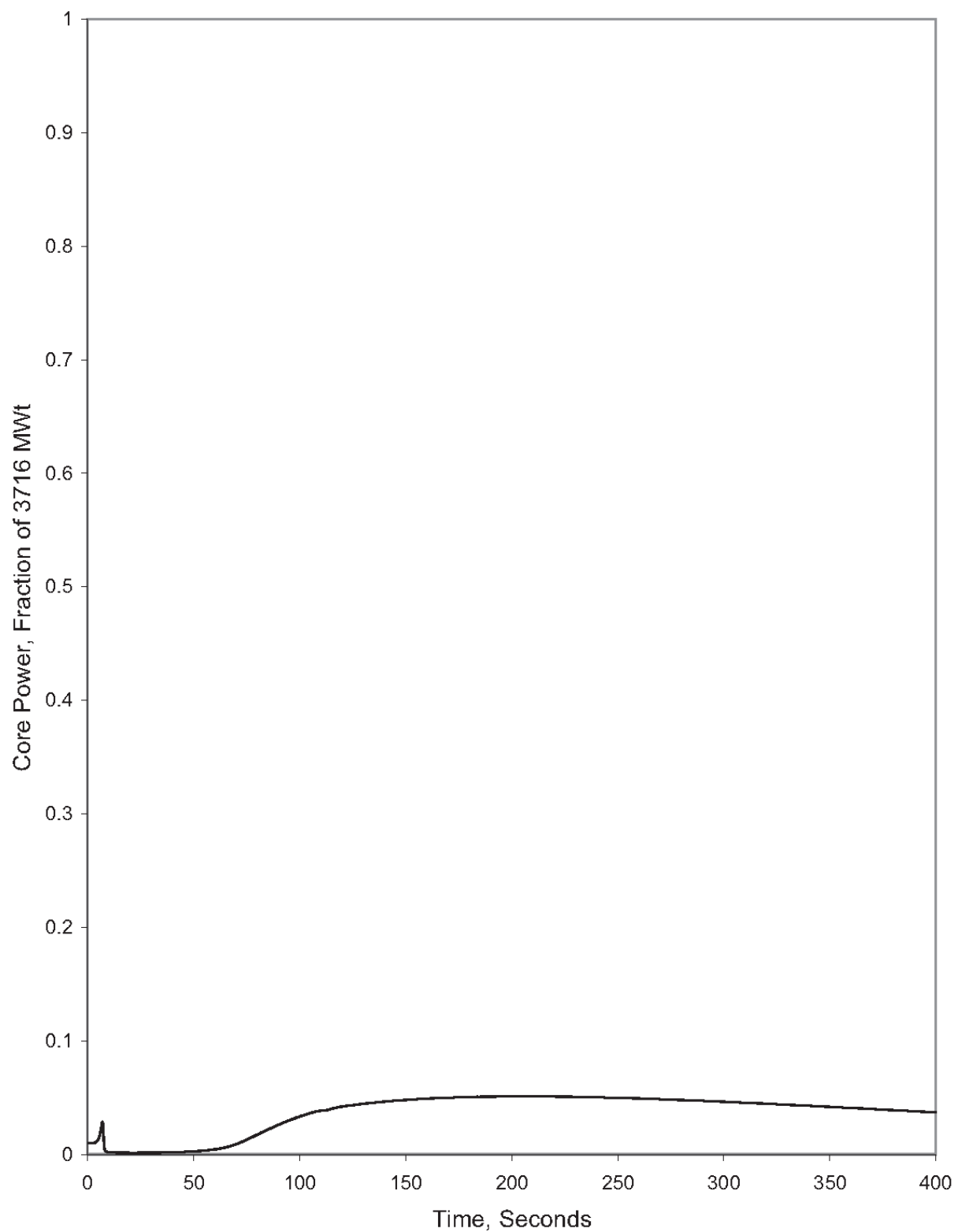


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, Loss of Offsite Power
DNBR vs. Time

Figure
15.1-72c

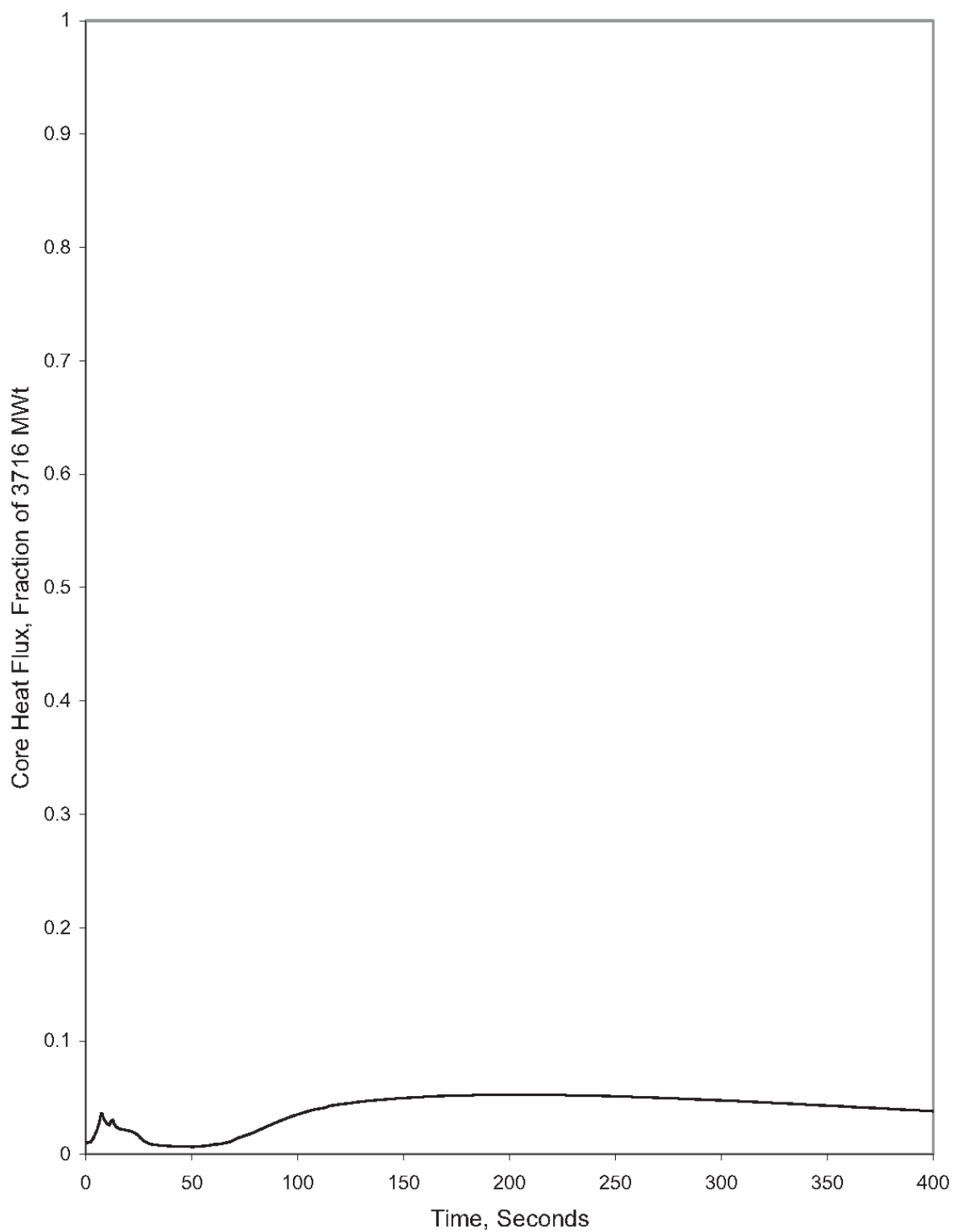


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Core Power vs. Time

Figure
15.1-72d

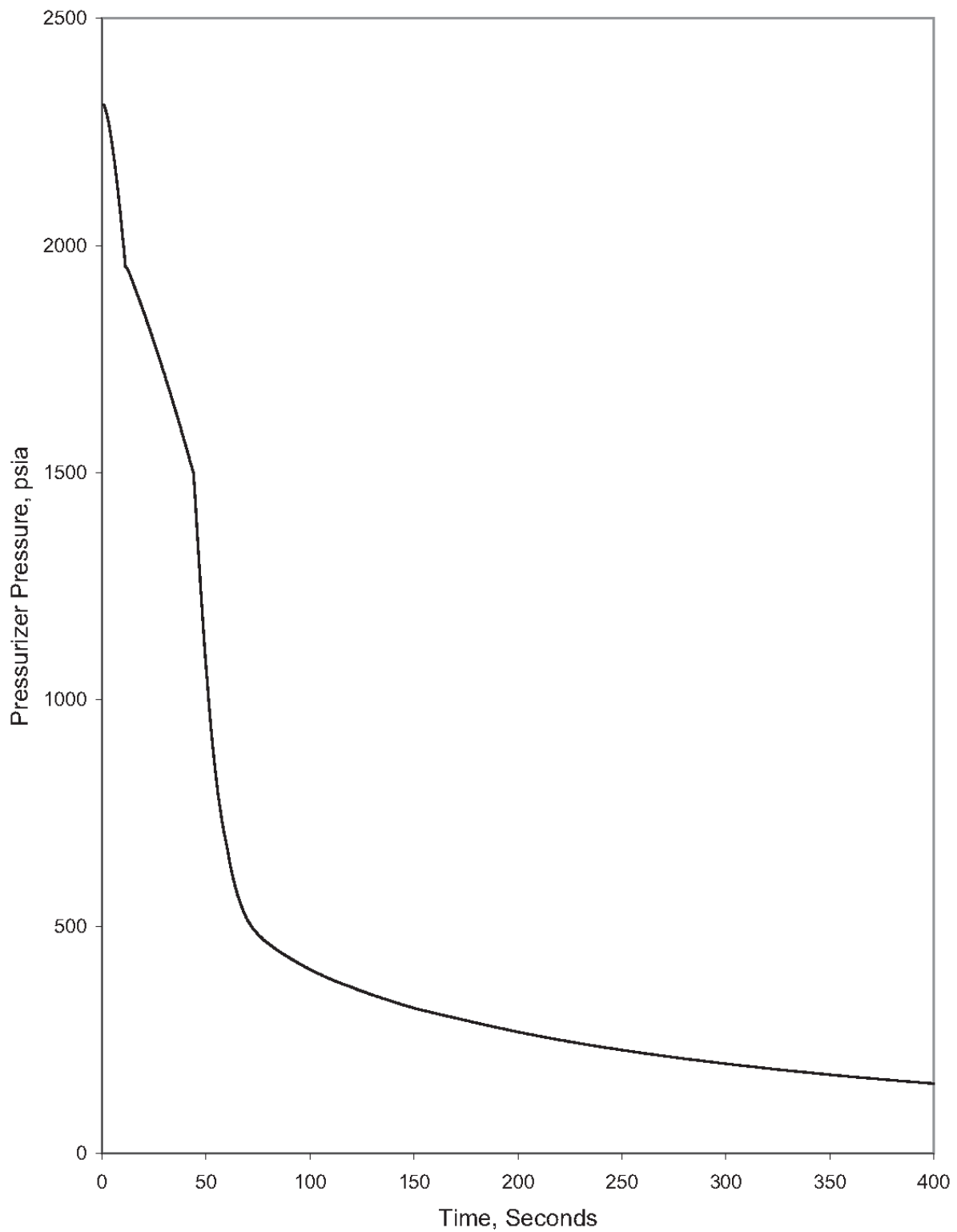


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Core Heat Flux vs. Time

Figure
15.1-72e

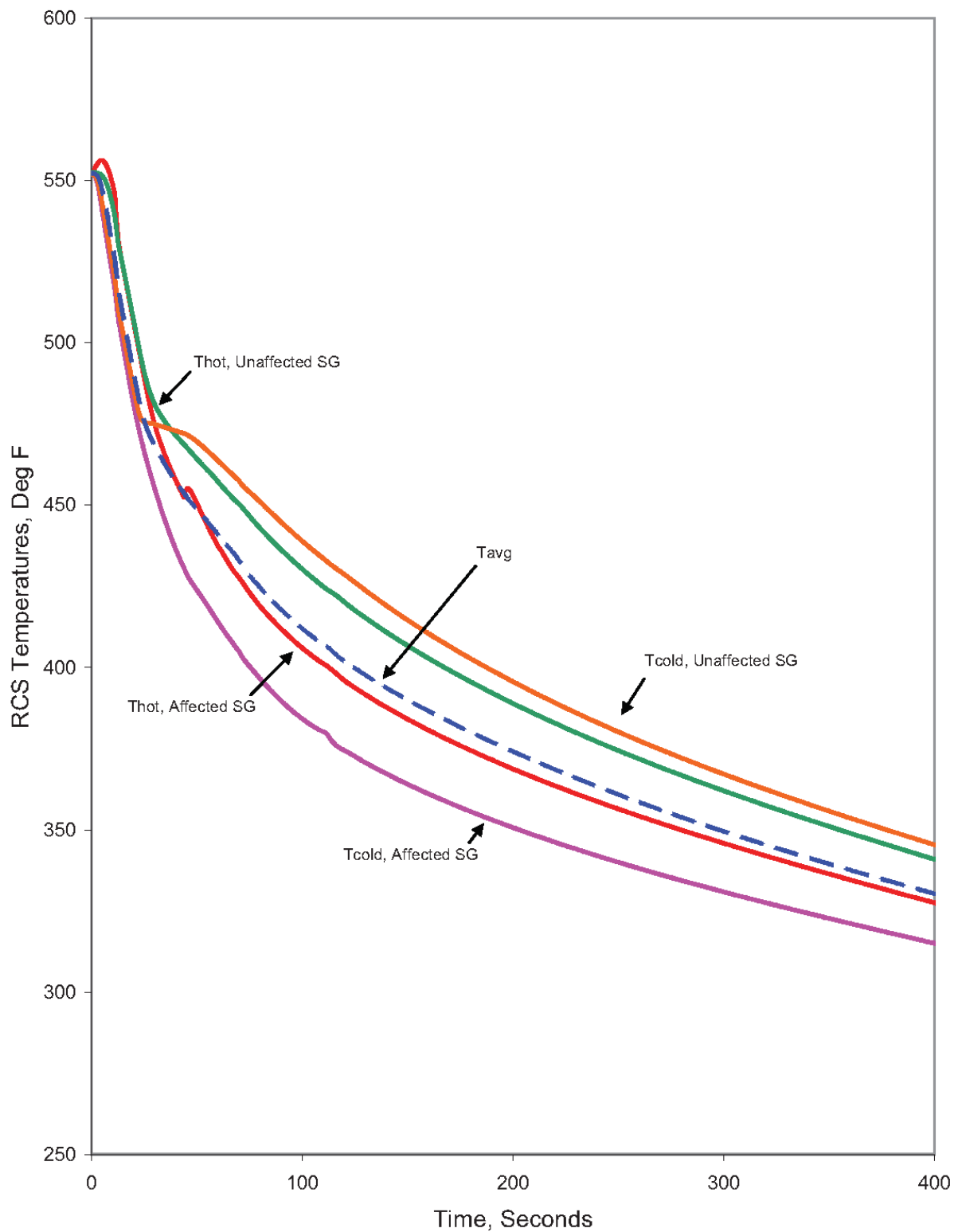


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Pressurizer Pressure vs. Time

Figure
15.1-72f

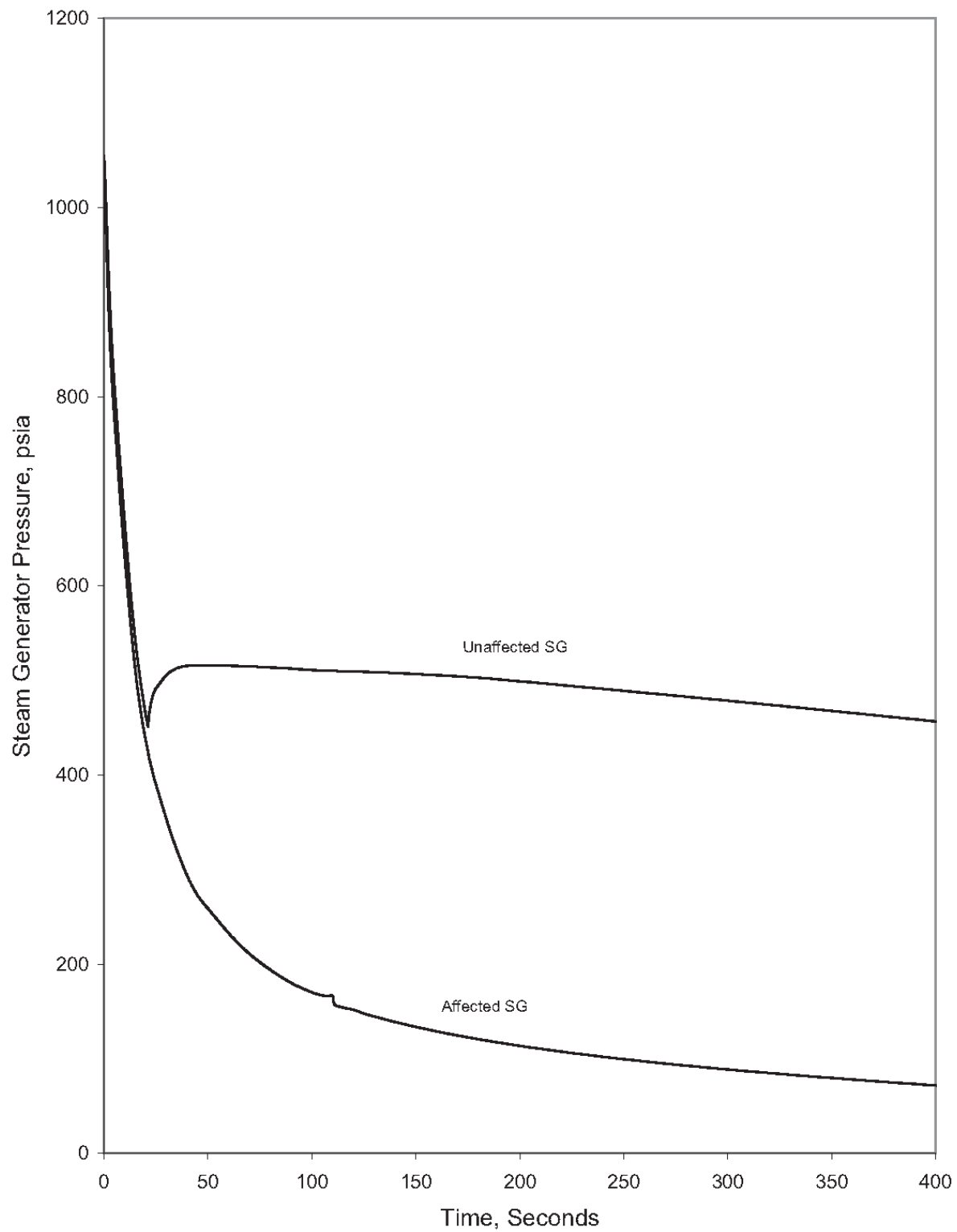


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Reactor Coolant System Temperatures vs. Time

Figure
15.1-72g

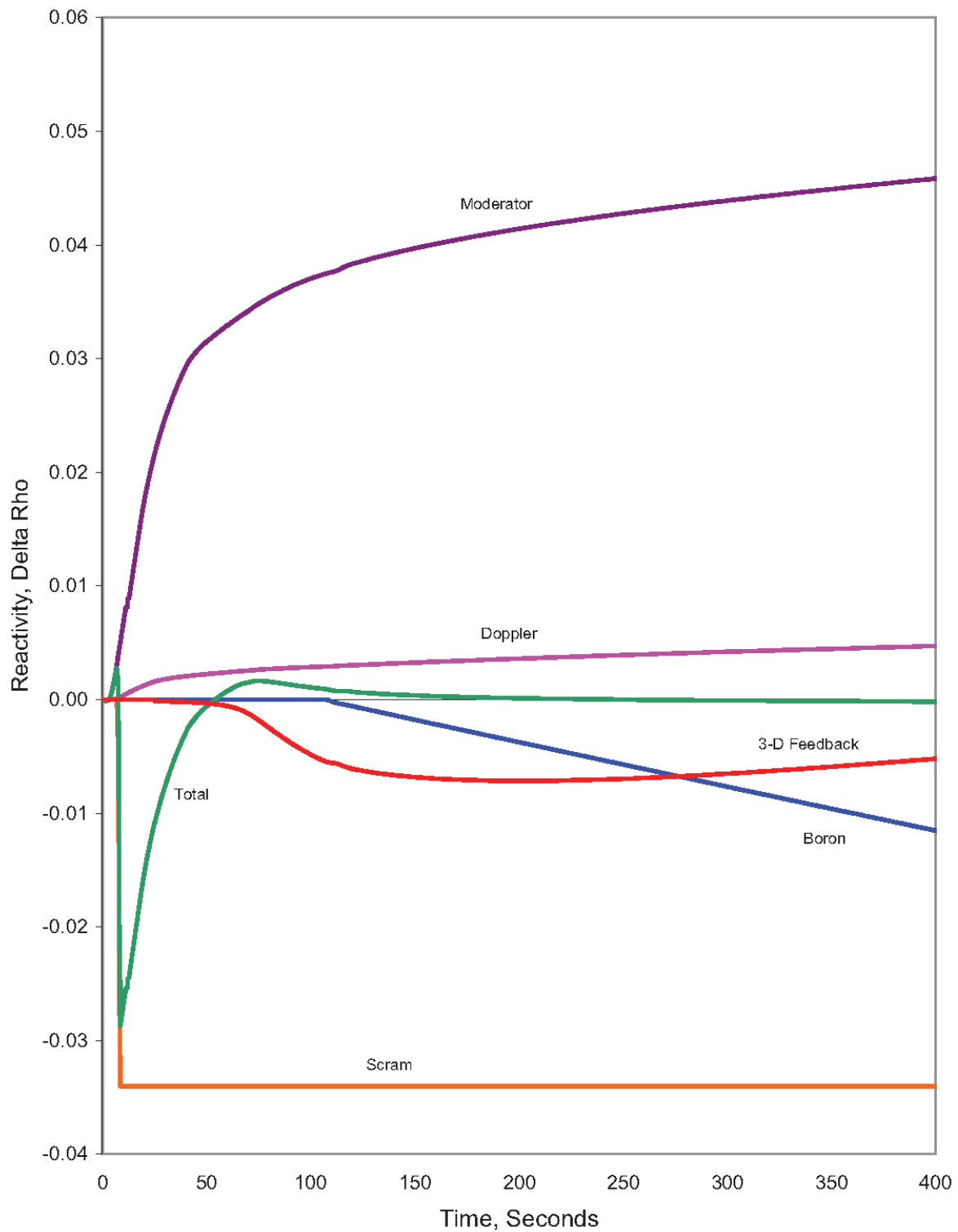


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Steam Generator Pressure vs. Time

Figure
15.1-72h

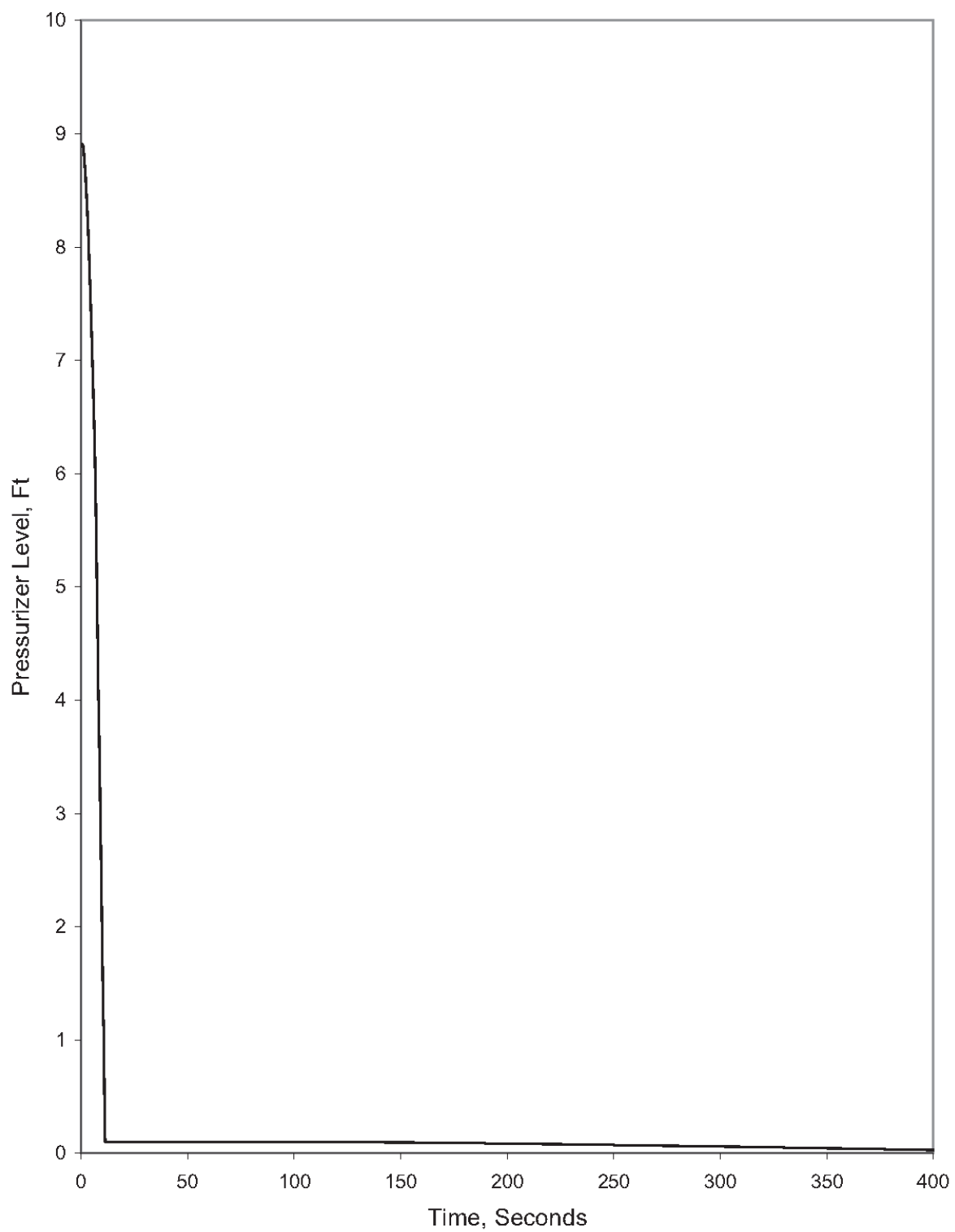


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Reactivity vs. Time

Figure
15.1-72i

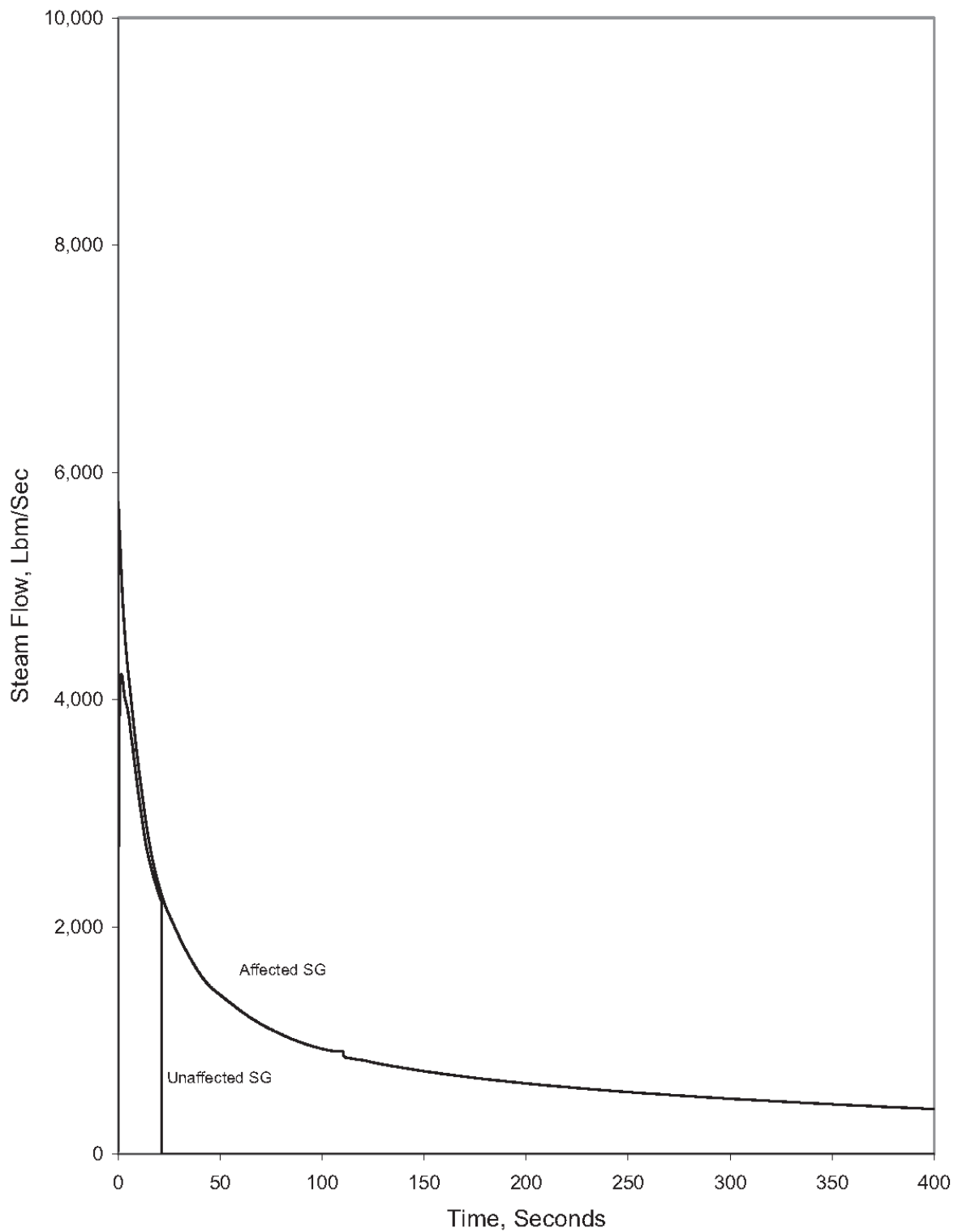


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Pressurizer Level vs. Time

Figure
15.1-72j

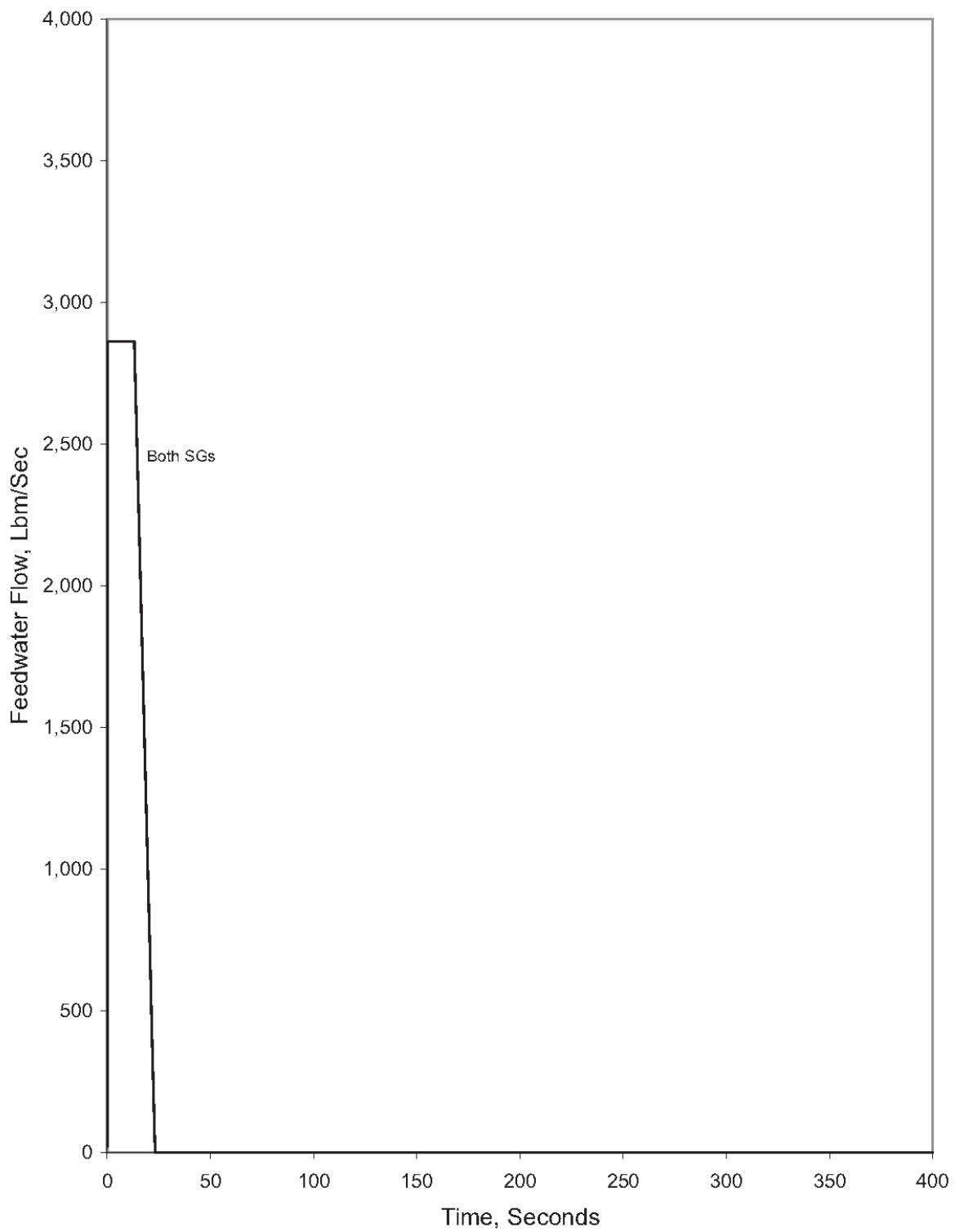


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Steam Flow vs. Time

Figure
15.1-72k

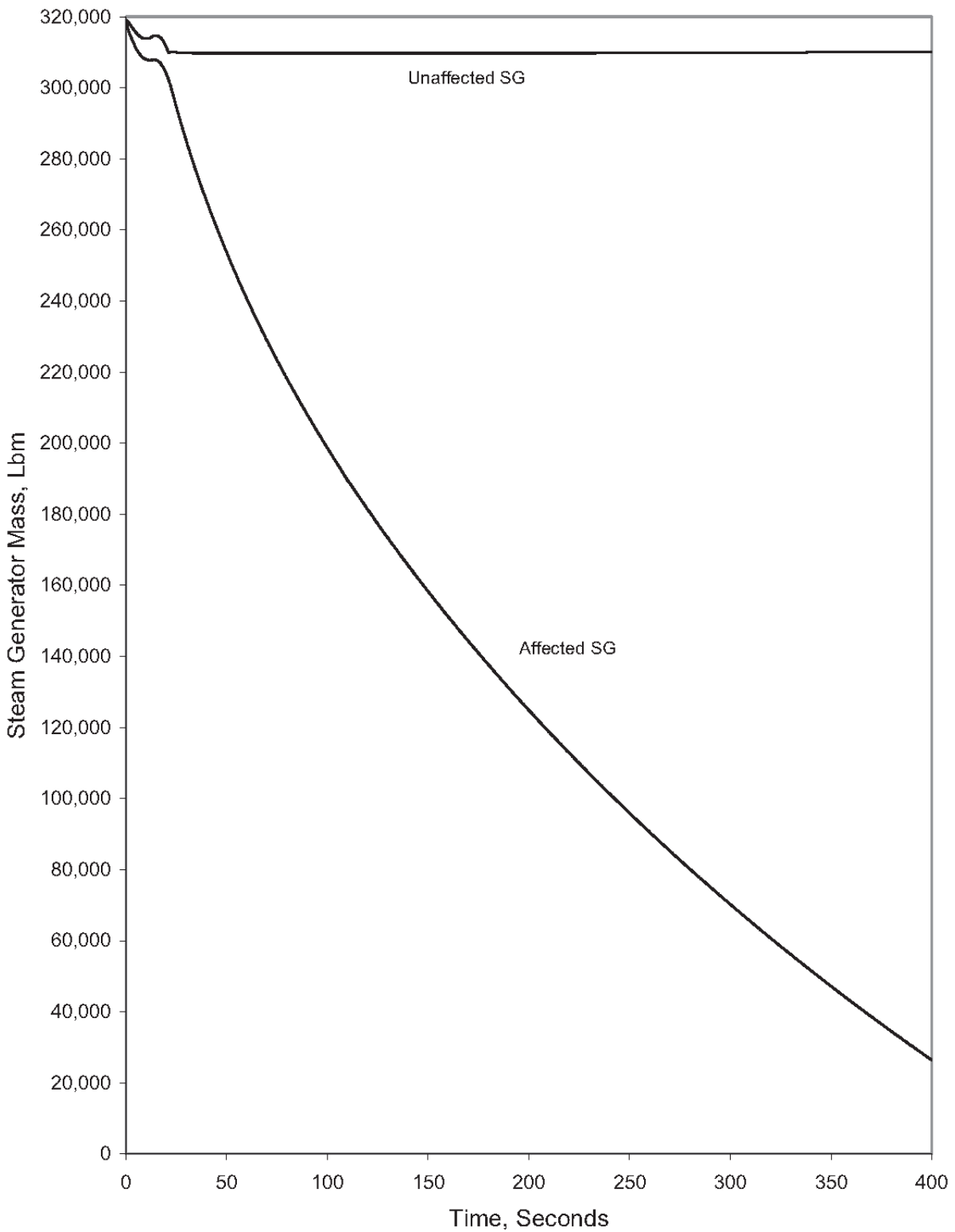


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Feedwater Flow vs. Time

Figure
15.1-72I

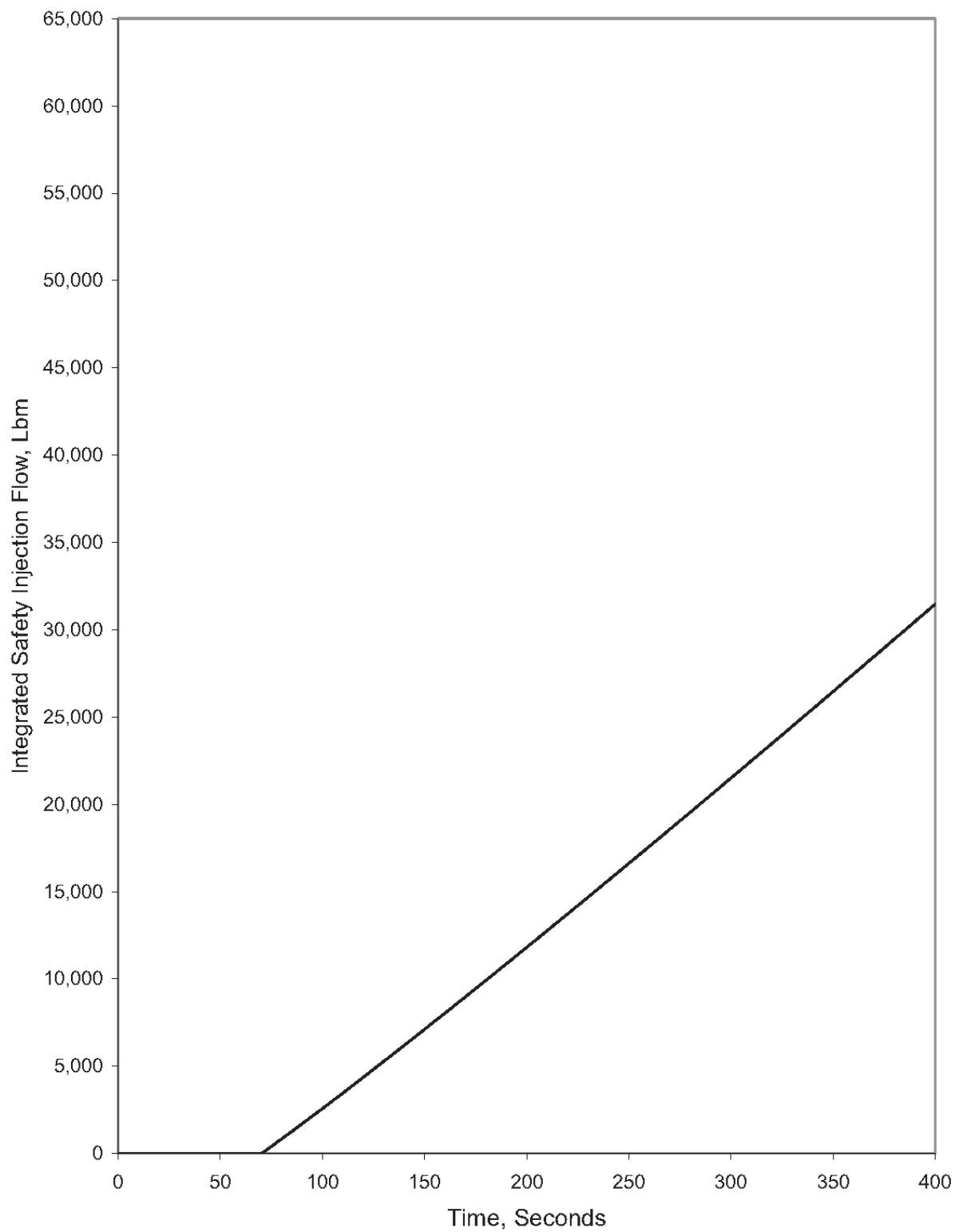


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Steam Generator Mass vs. Time

Figure
15.1-72m

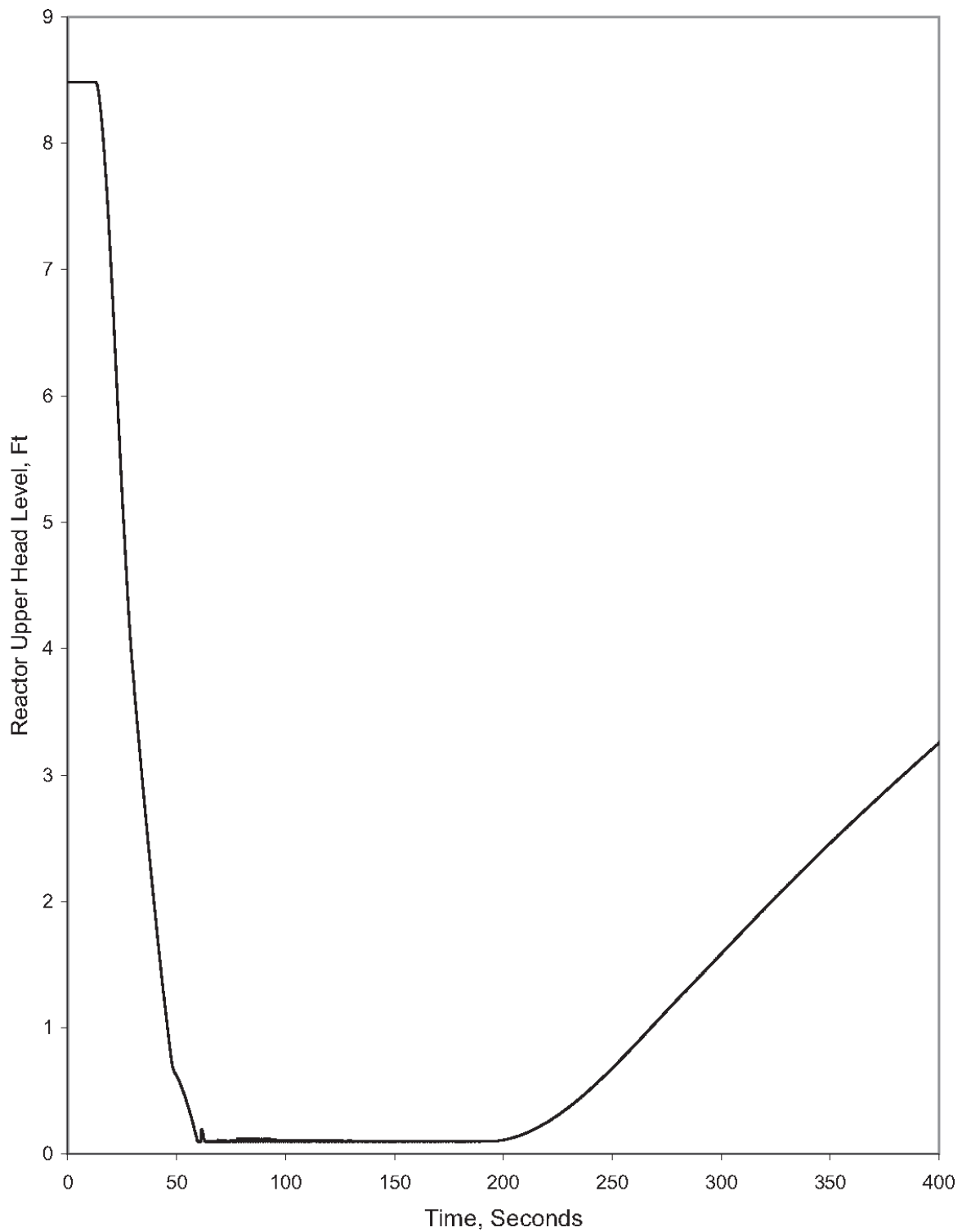


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Integrated Safety Injection Flow vs. Time

Figure
15.1-72n



Revision 307 (07/13)

Waterford Steam
Electric Station #3

Return to Power Steam Line Break
Inside Containment, Hot Zero Power, No Loss of Offsite Power
Reactor Vessel Upper Head Level vs. Time

Figure
15.1-72o

→(DRN 05-543, R14)

Figure 15.1-73 has been intentionally deleted.

←(DRN 05-543, R14)

WSES-FSAR-UNIT-3

→ (DRN 05-543, R14)

Figure 15.1-74 has been intentionally deleted.

← (DRN 05-543, R14)

→(DRN 05-543, R14)

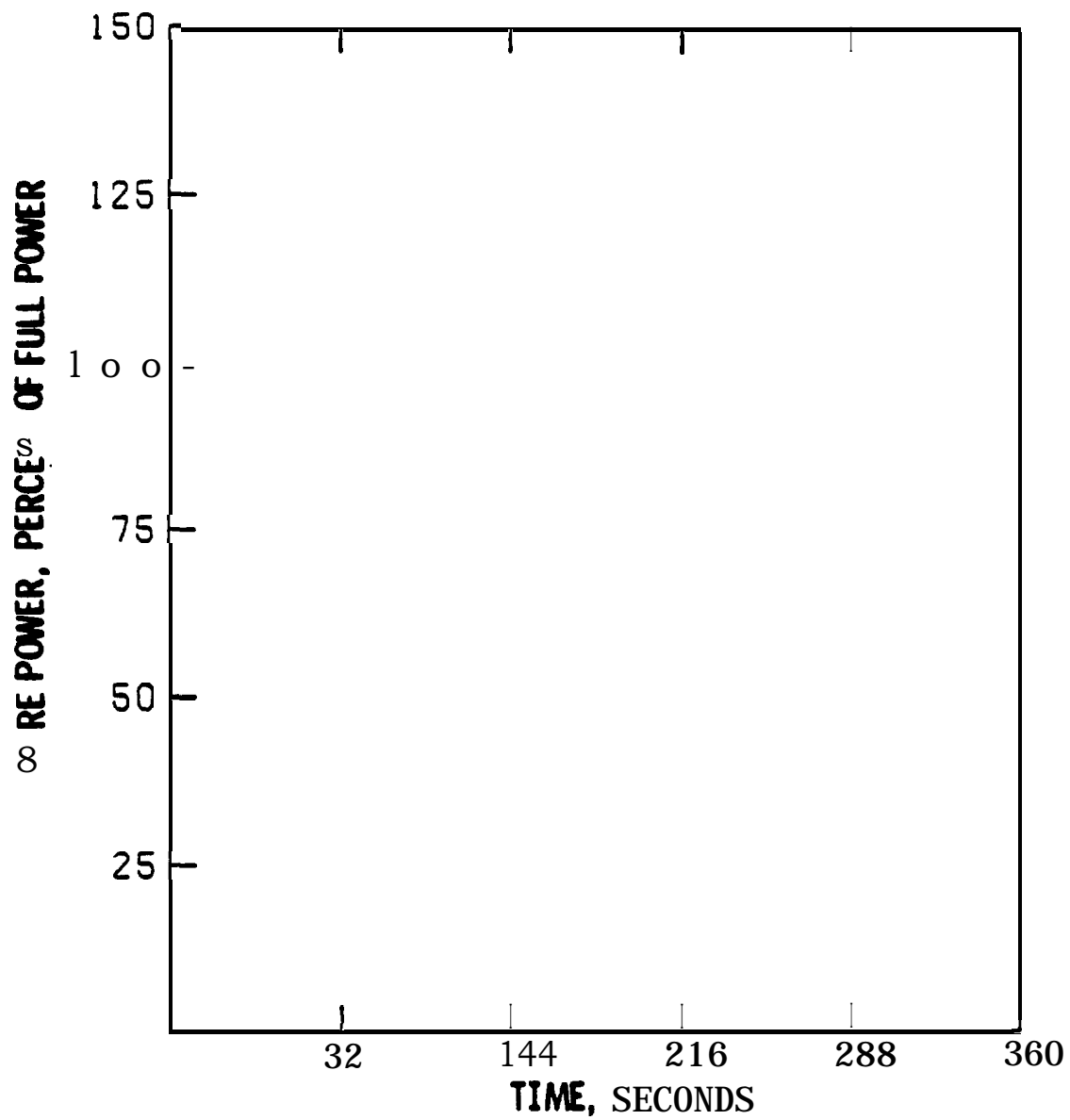
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←(DRN 05-543, R14)

→ (DRN 05-543, R14)

Figure 15.1-75a has been intentionally deleted.

← (DRN 05-543, R14)

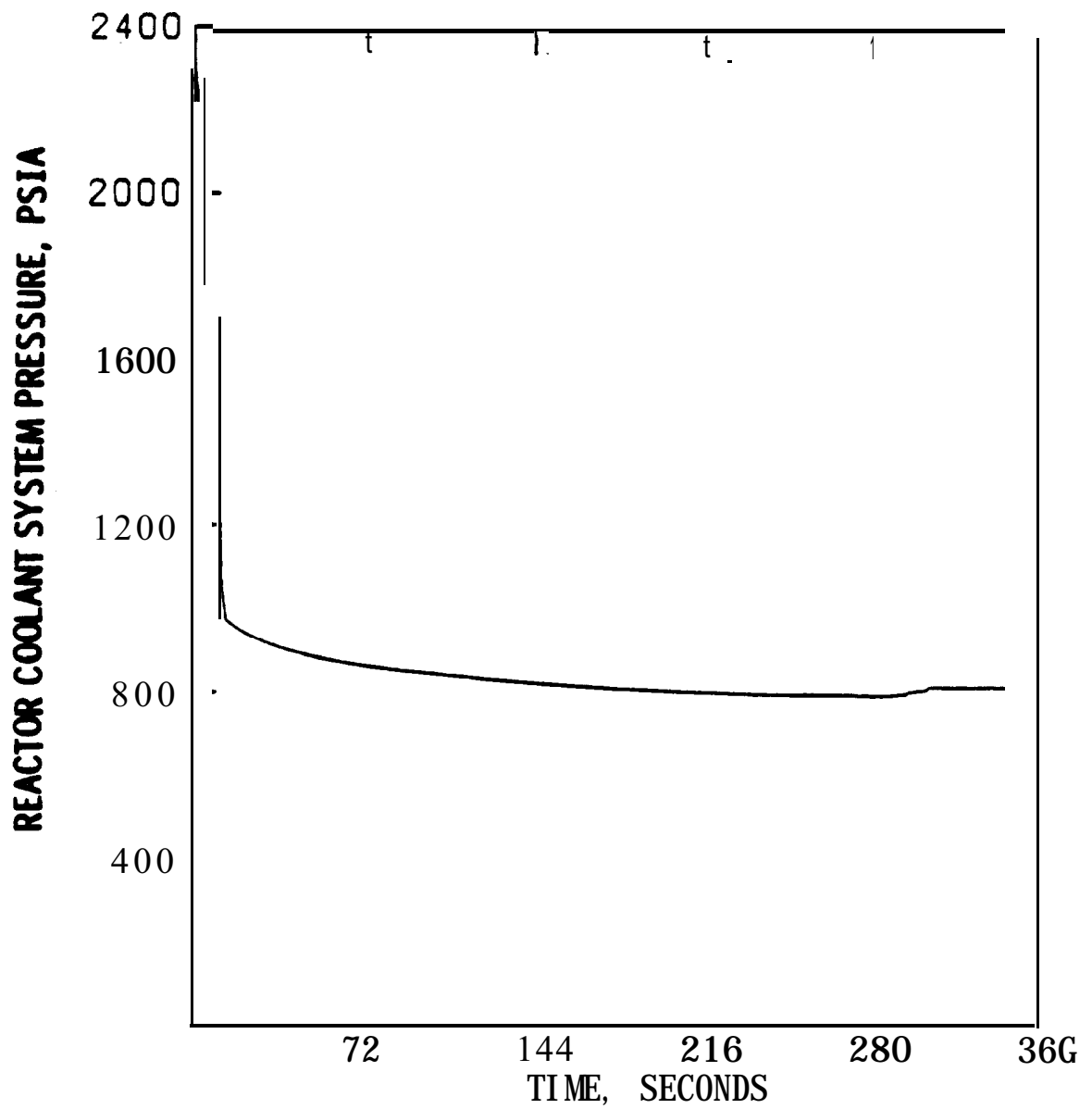


REVISION 10 (10199)

LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electrical Station

MAIN STEAM LINE BREAK MODES 3 & 4
WITH LOSS OF ACPOWER
CORE POWER VS. TIME

Figure
15.1-76



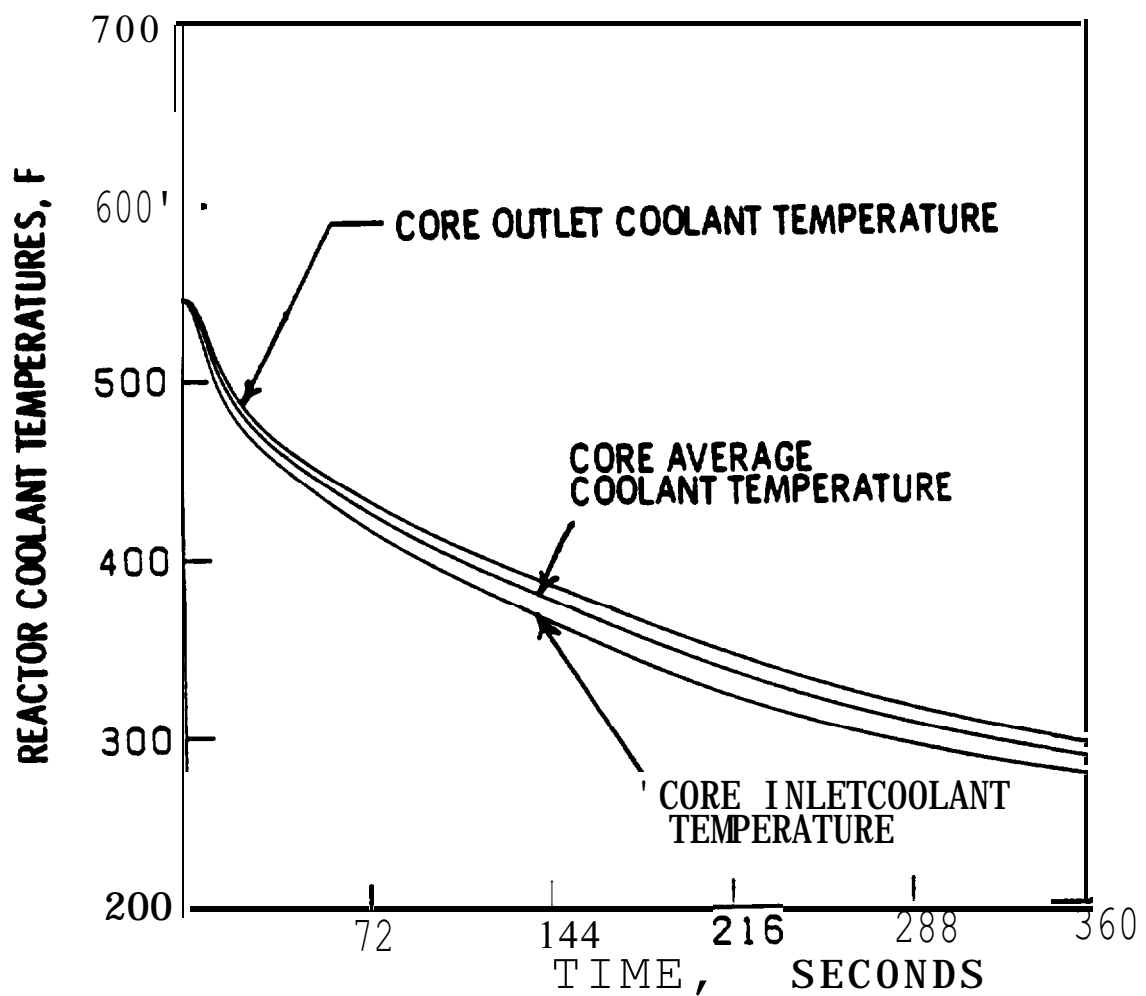
REVISION 10 (10199)

LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station

MAIN STEAM LINE BREAK MODES 3 & 4
WITH LOSS OF AC POWER
REACTOR COOLANT SYSTEM PRESSURE VS. TIME

Figure

15.1-77

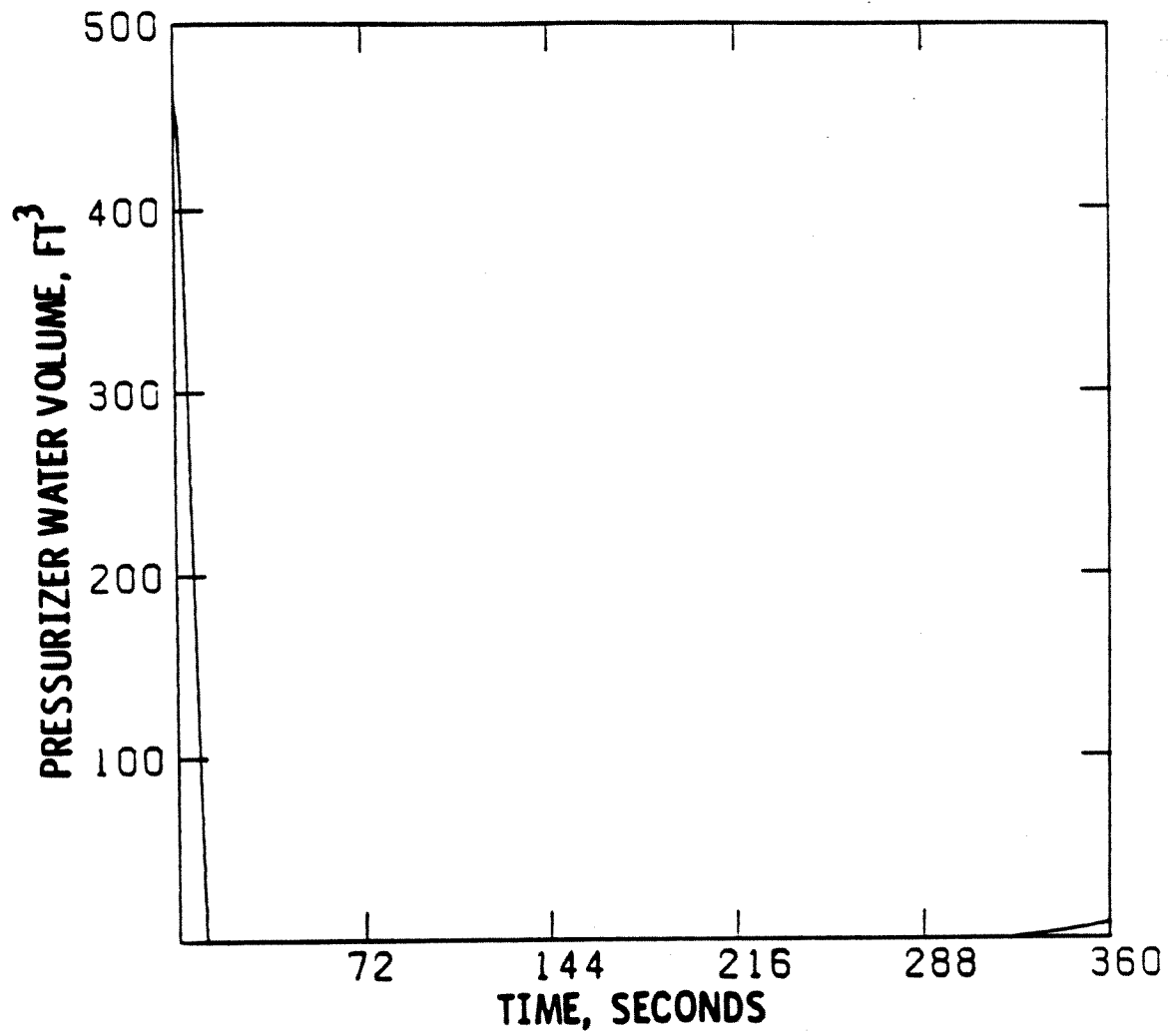


REVISION 10 (10199)

LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station

MAIN STEAM LINE BREAK MODES 3 & 4
WITH LOSS OF AC POWER
REACTOR COOLANT TEMPERATURE VS. TIME

Figure
15.1-78

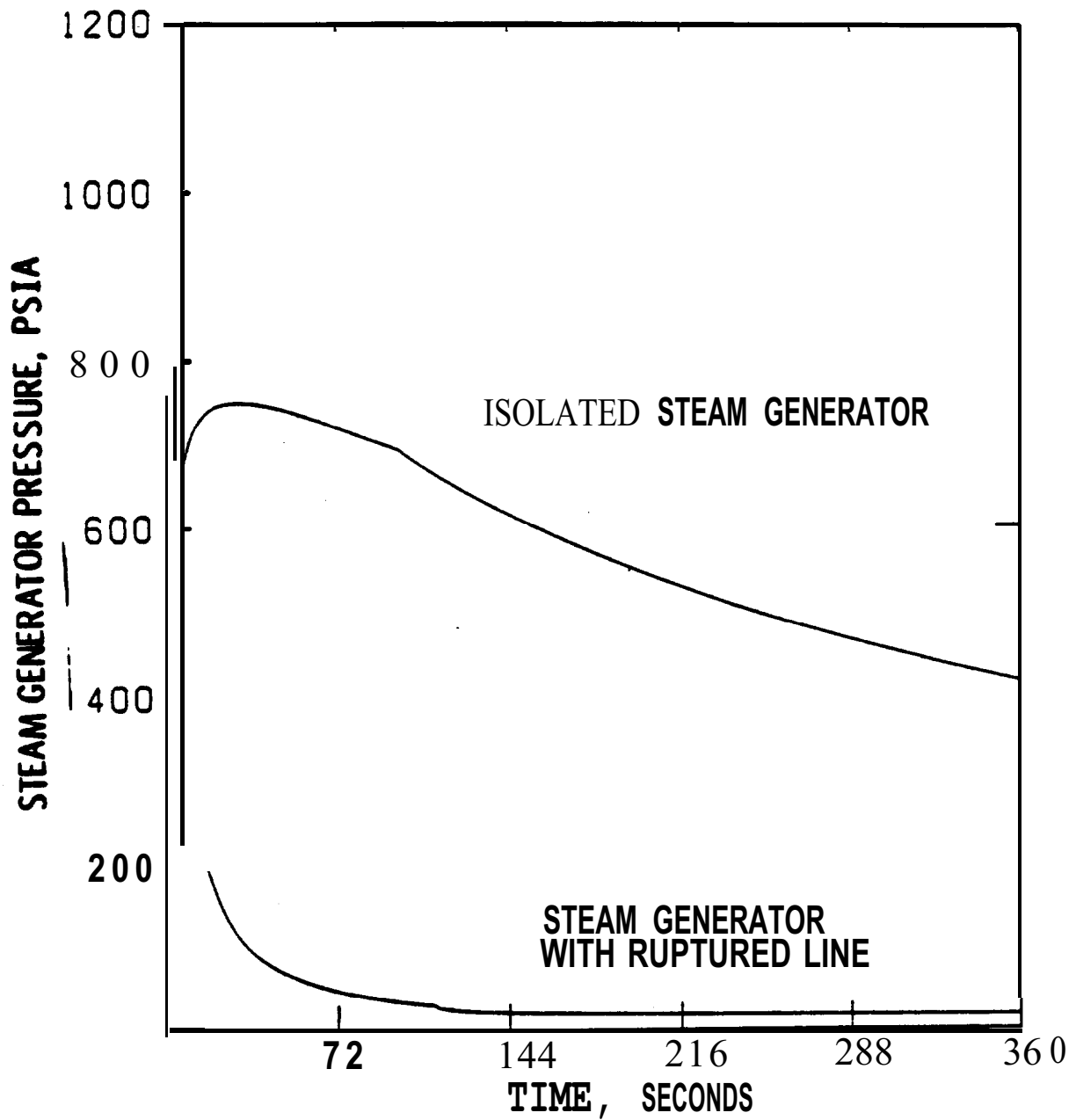


REVISION 10 (10/99)

LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station

MAIN STEAM LINE BREAK MODES 3 & 4
WITH LOSS OF AC POWER
PRESSURIZER WATER VOLUME VS. TIME

Figure
15.1-79

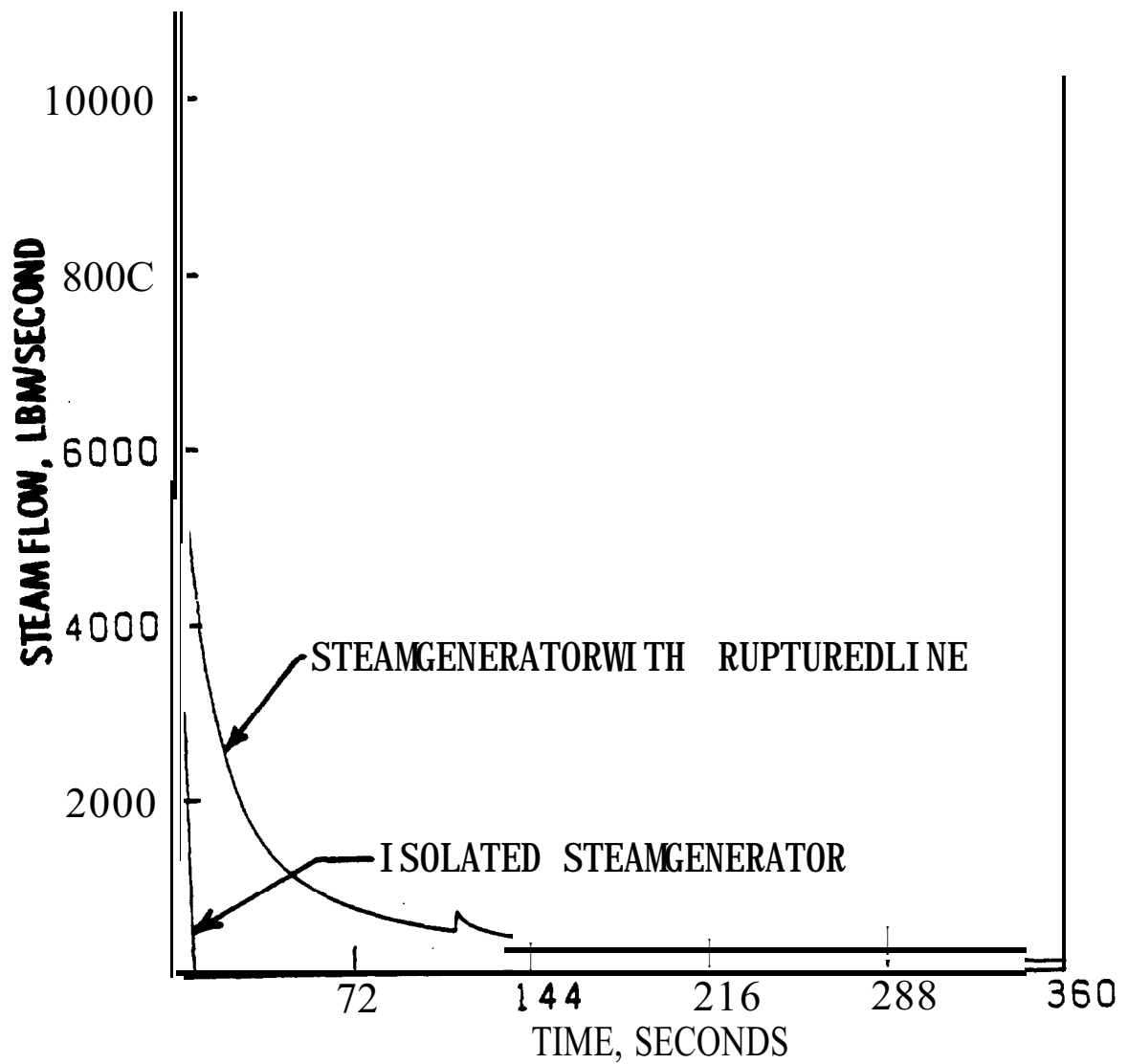


REVISION 10 (10199)

LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station

MAIN STEAM LINE BREAK MODES 3 & 4
WITH LOSS OF AC POWER
STEAM GENERATOR PRESSURE VS. TIME

Figure
15.1-80

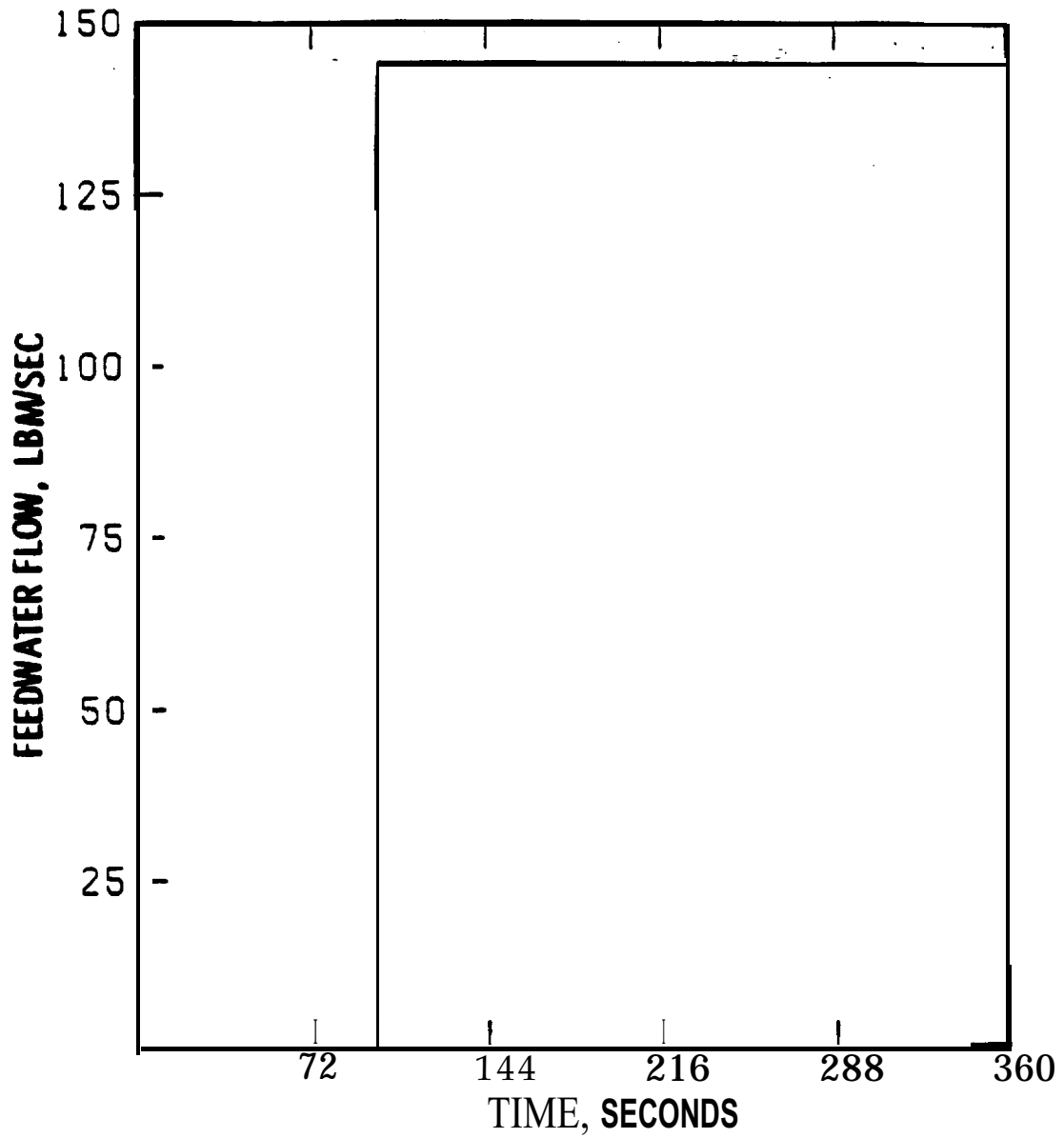


REVISION 10 (10/99)

**LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station**

MAIN STEAM LINE BREAK MODES 3 i-4
WITH LOSS OF AC POWER
STEAM MASS RELEASE FROM BREAK VS. TIME

**Figure
15.1-81**

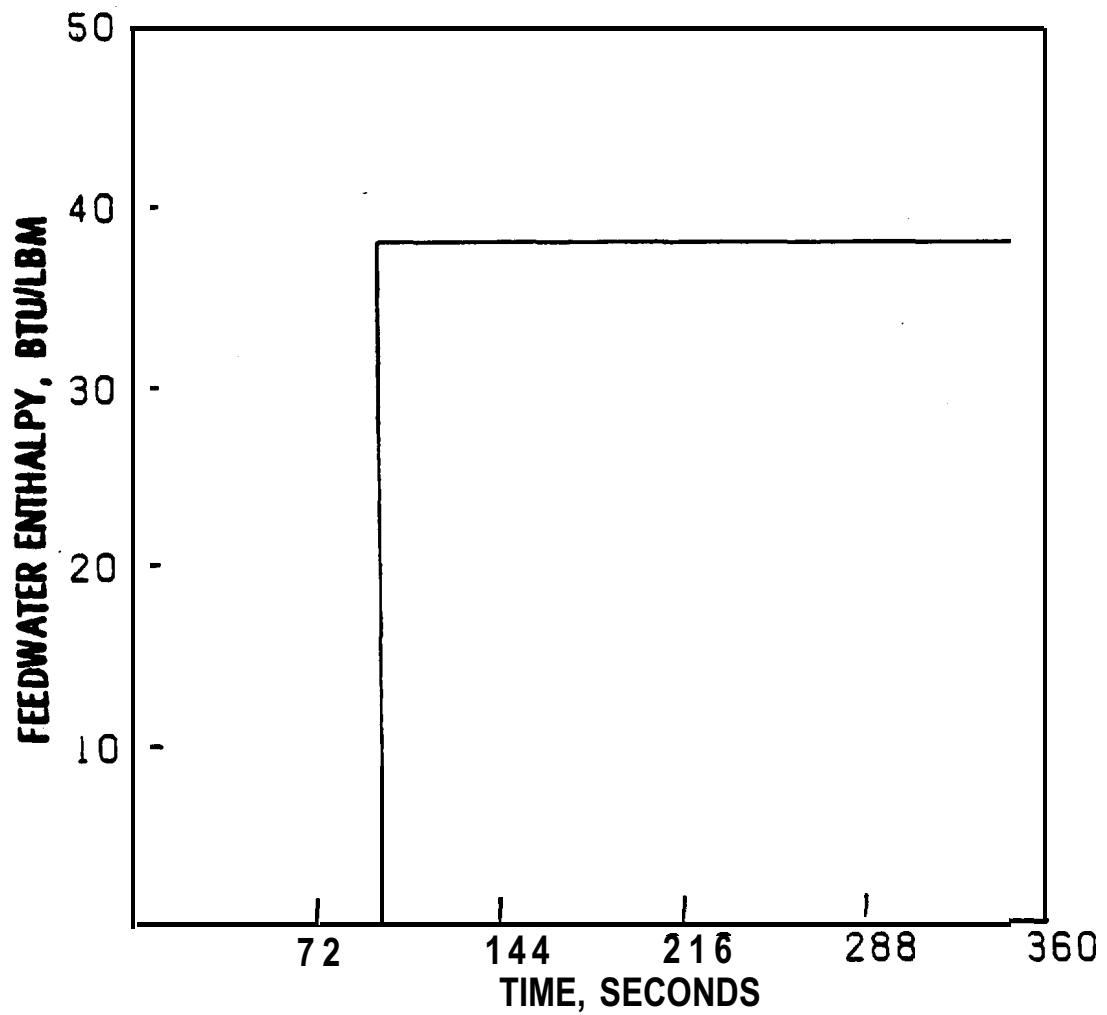


REVISION 10 (10199)

LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station

MAIN STEAM LINE BREAK MODES 3 8 4
WITH LOSS OF AC POWER
FEEDWATER FLOW VS. TIME

Figure
15.1-82

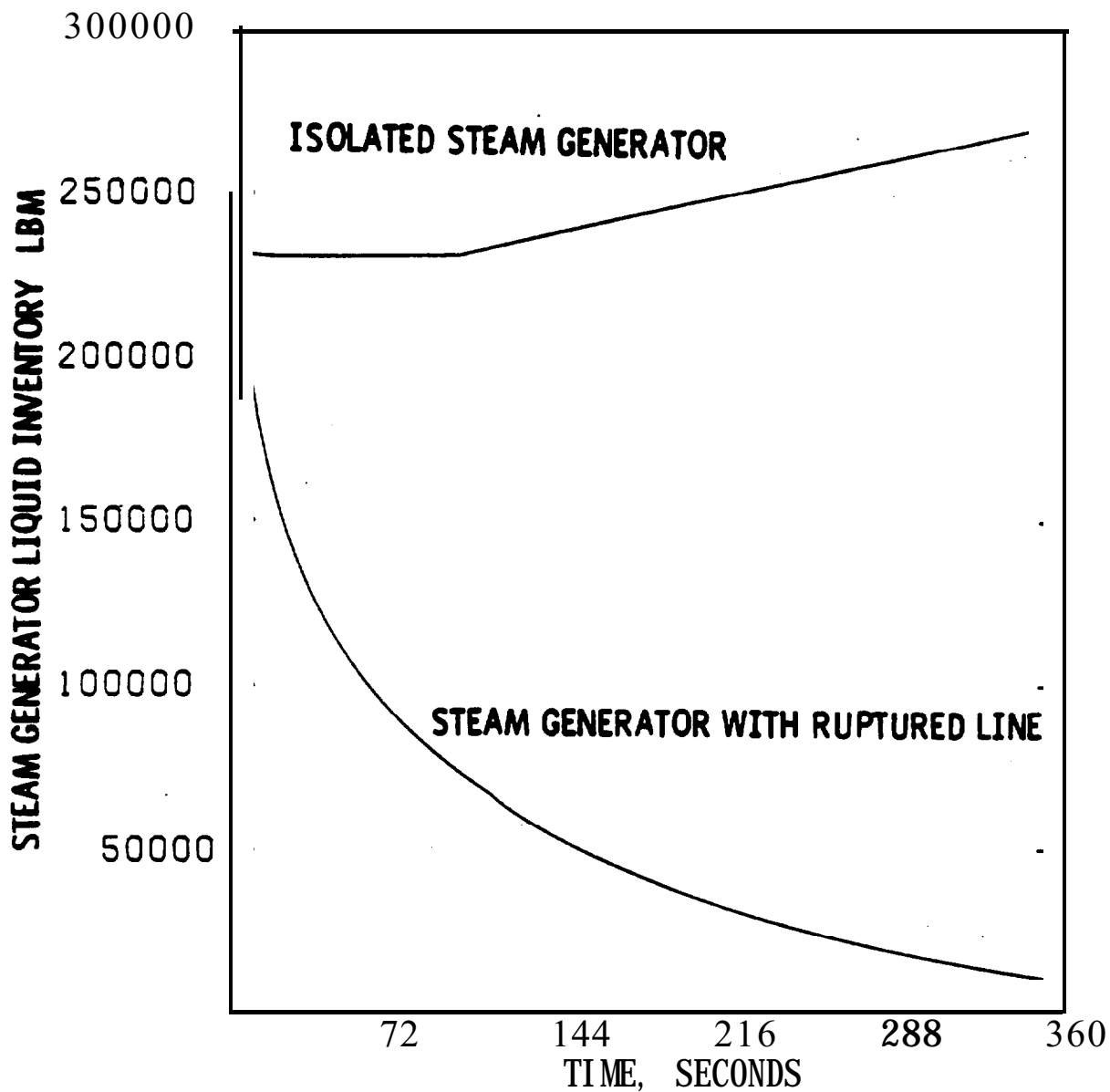


REVISION 10 (10199)

**LOUISIANA
POWER & LIGHT CO.**
Waterford Steam
Electric Station

MAIN STEAM LINE BREAK MODES 3 & 4
WITH LOSS OF AC POWER
FEEDWATER ENTHALPY VS. TIME

Figure
15.1-83

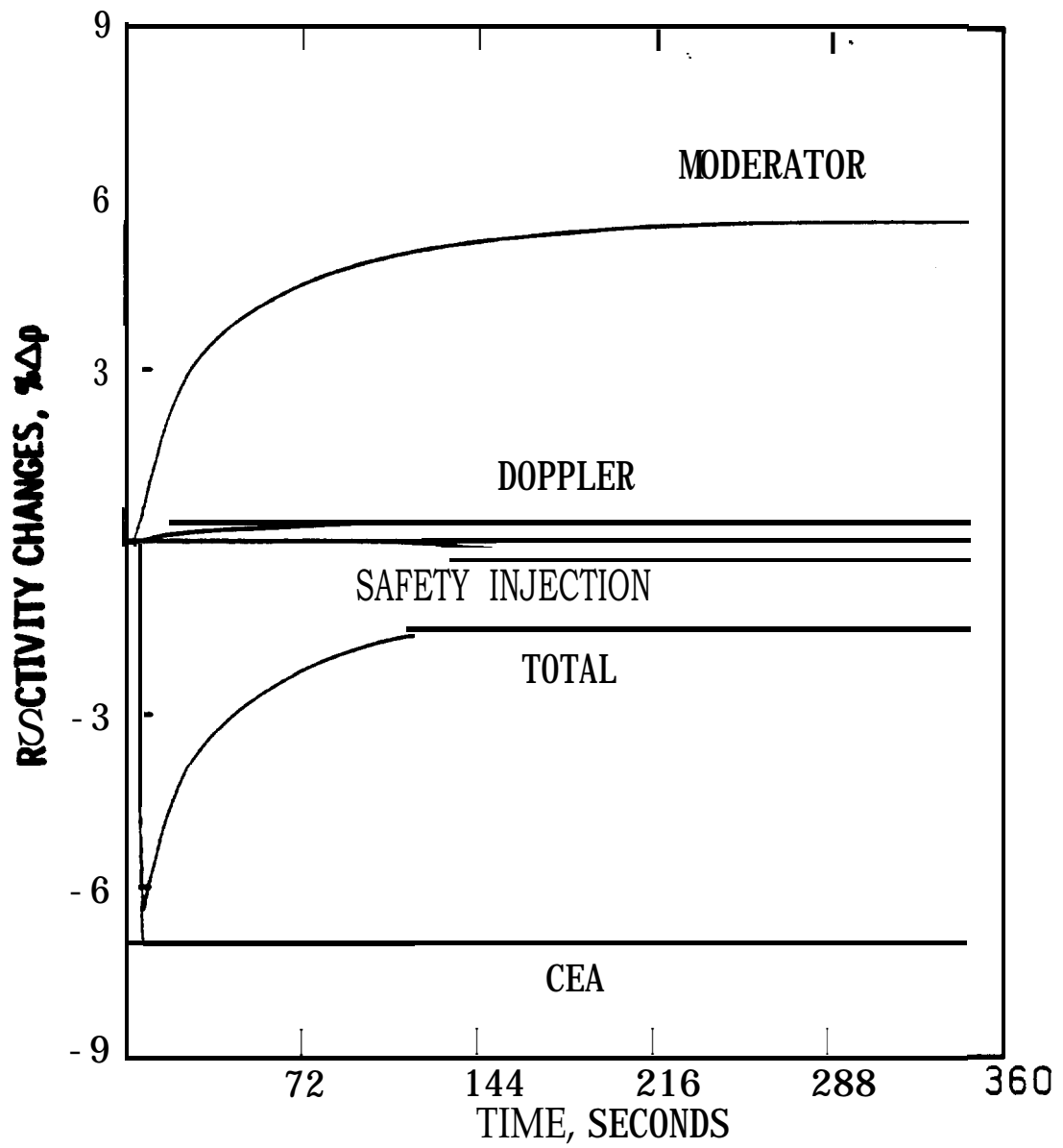


REVISION 10 (10/99)

LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station

MAIN STEAM LINE BREAK MODES 3 & 4
WITH LOSS OF AC POWER
STEAM GENERATOR LIQUID INVENTORY VS. TIME

Figure
15.1-84

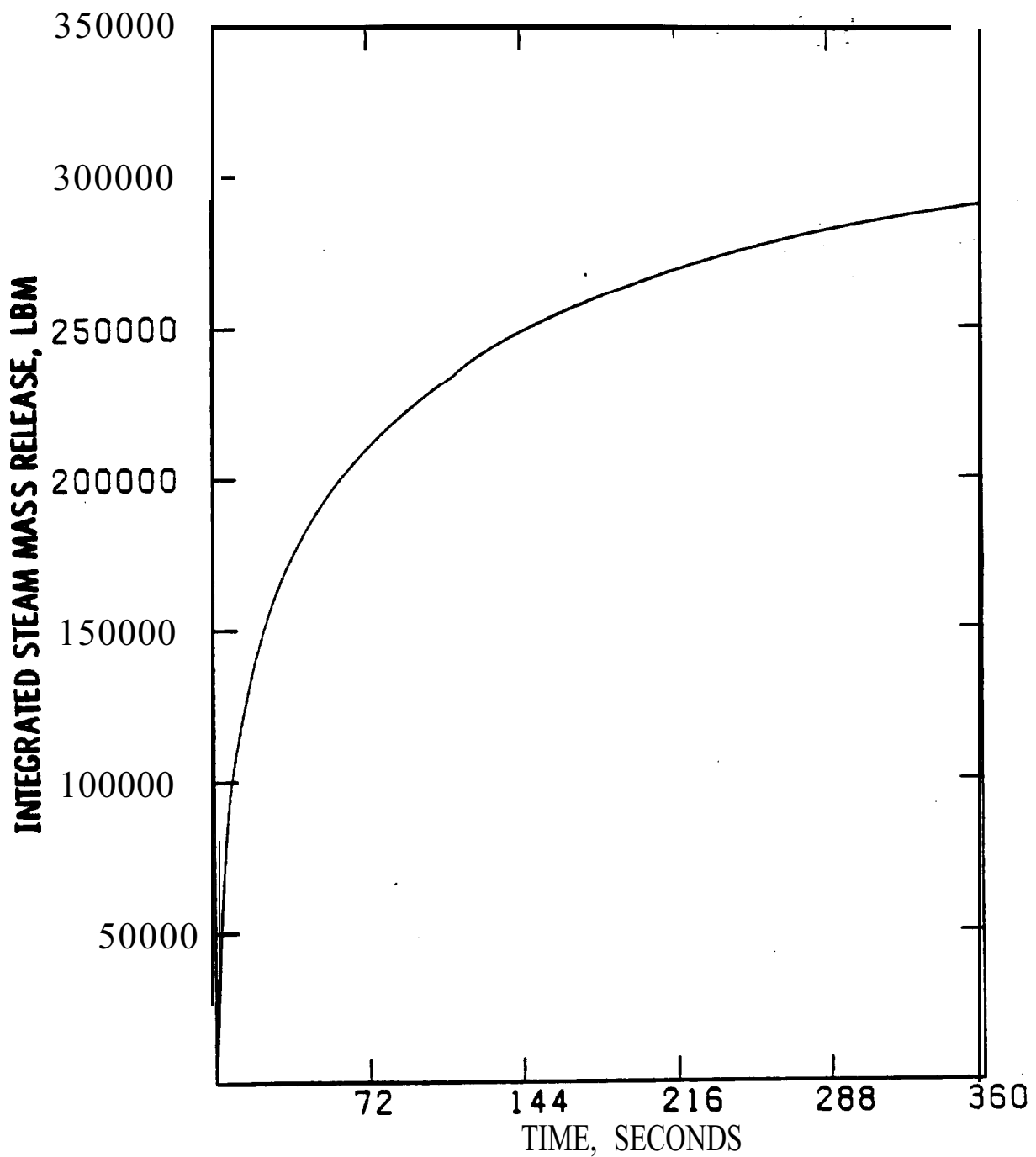


REVISION 10 (1 0/99)

LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station

MAIN STEAM LINE BREAK MODES 3 & 4
WITH LOSS OF AC POWER
REACTIVITY VS. TIME

Figure
15.1-85

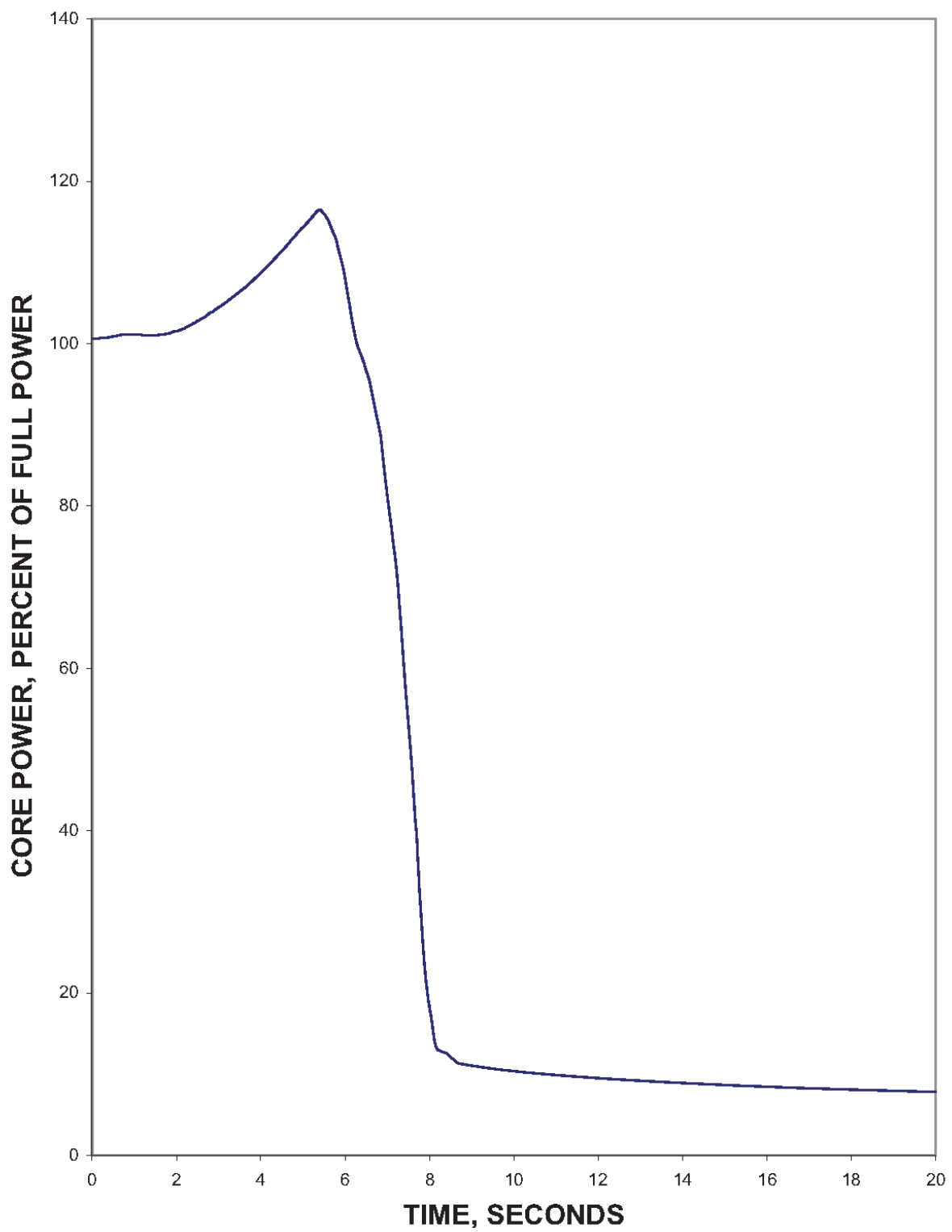


REVISION 10 (10199)

LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station

MAIN STEAM LINE BREAK MODES 3 8 4
WITH LOSS OF AC POWER - INTEGRATED
STEAM MASS RELEASE FROM BREAK VS. TIME

Figure
15.1-86

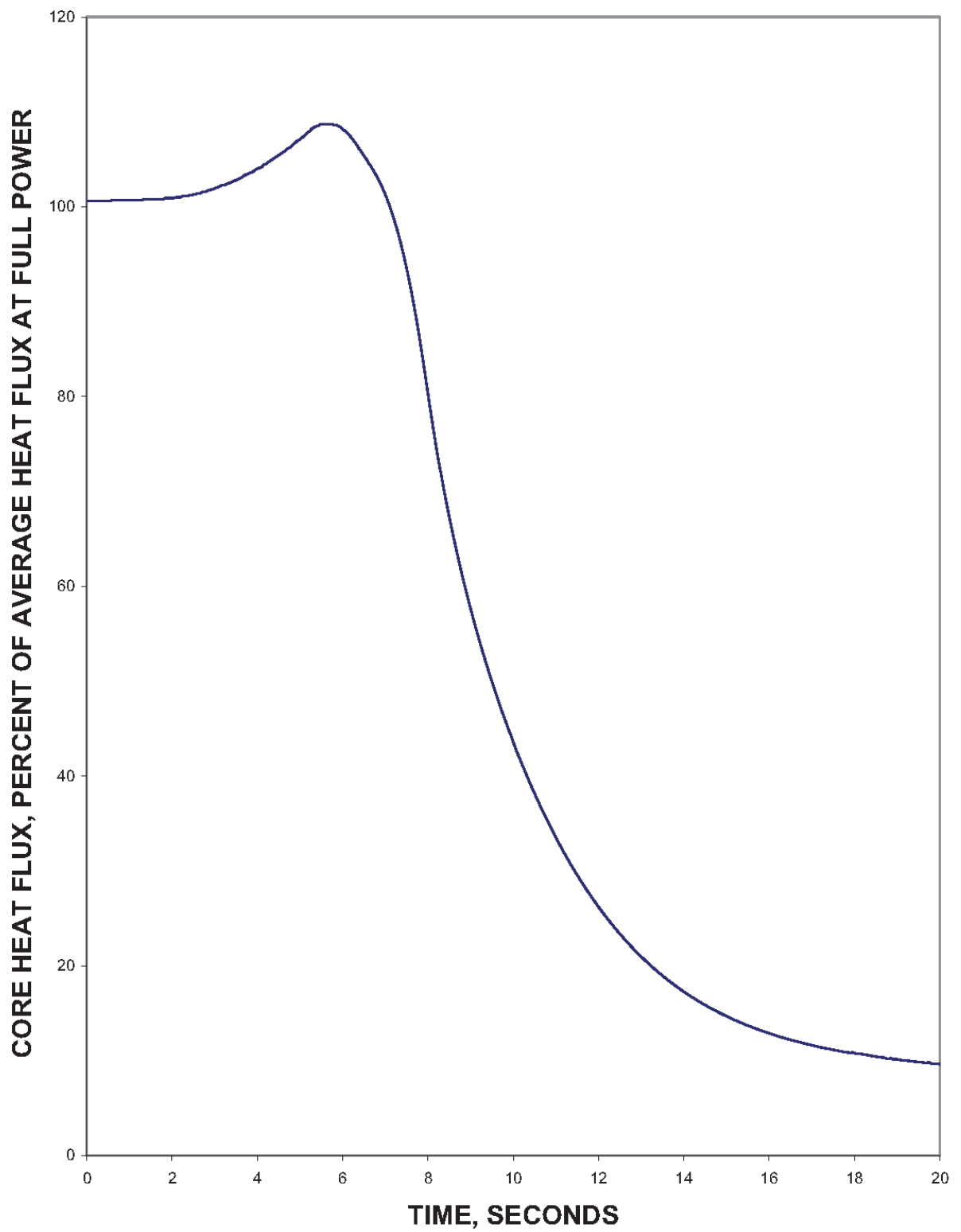


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Inside Containment Steam Line Break
Pre-Trip Power Excursion
Core Power vs. Time

Figure
15.1-87

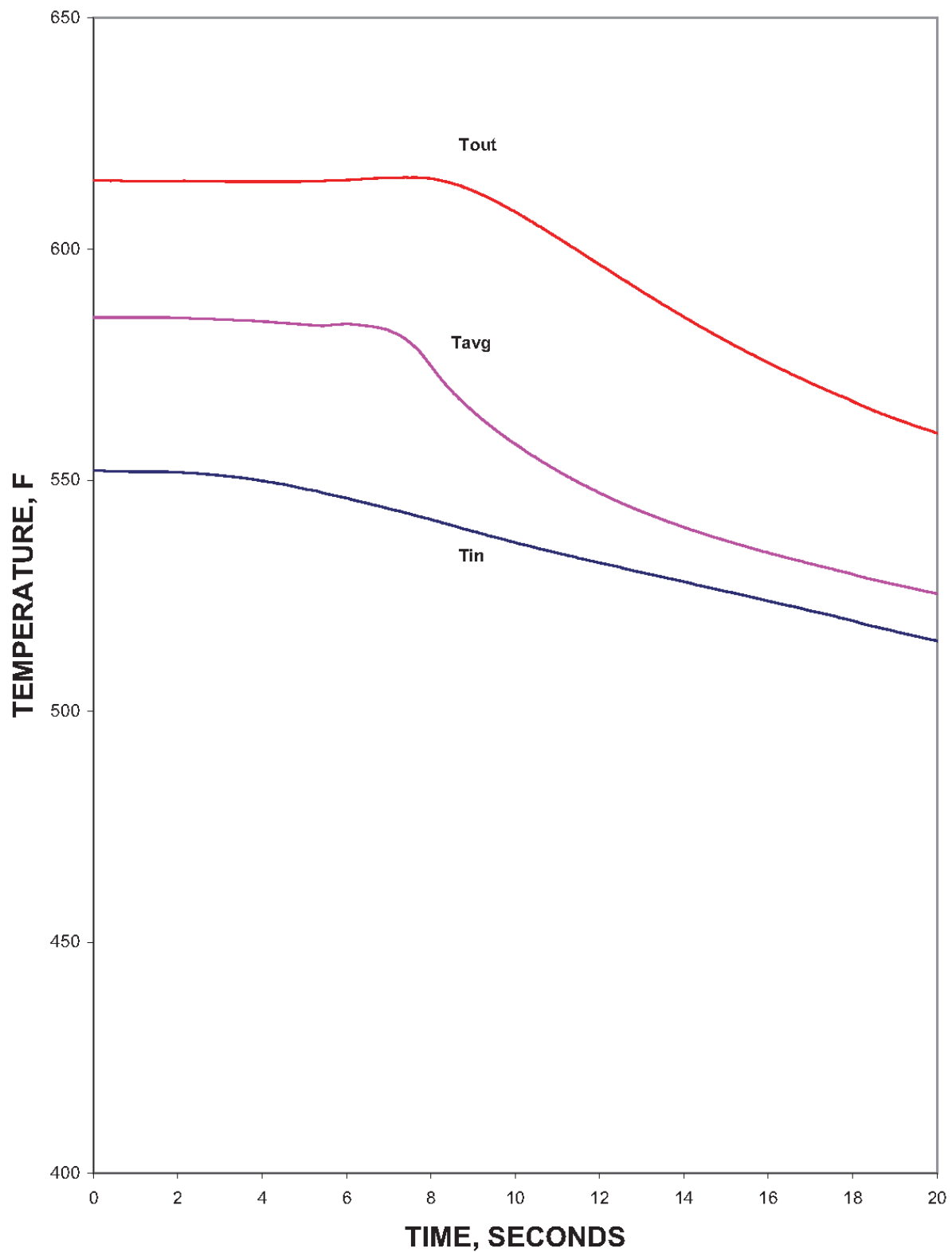


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Inside Containment Steam Line Break
Pre-Trip Power Excursion
Core Heat Flux vs. Time

Figure
15.1-88

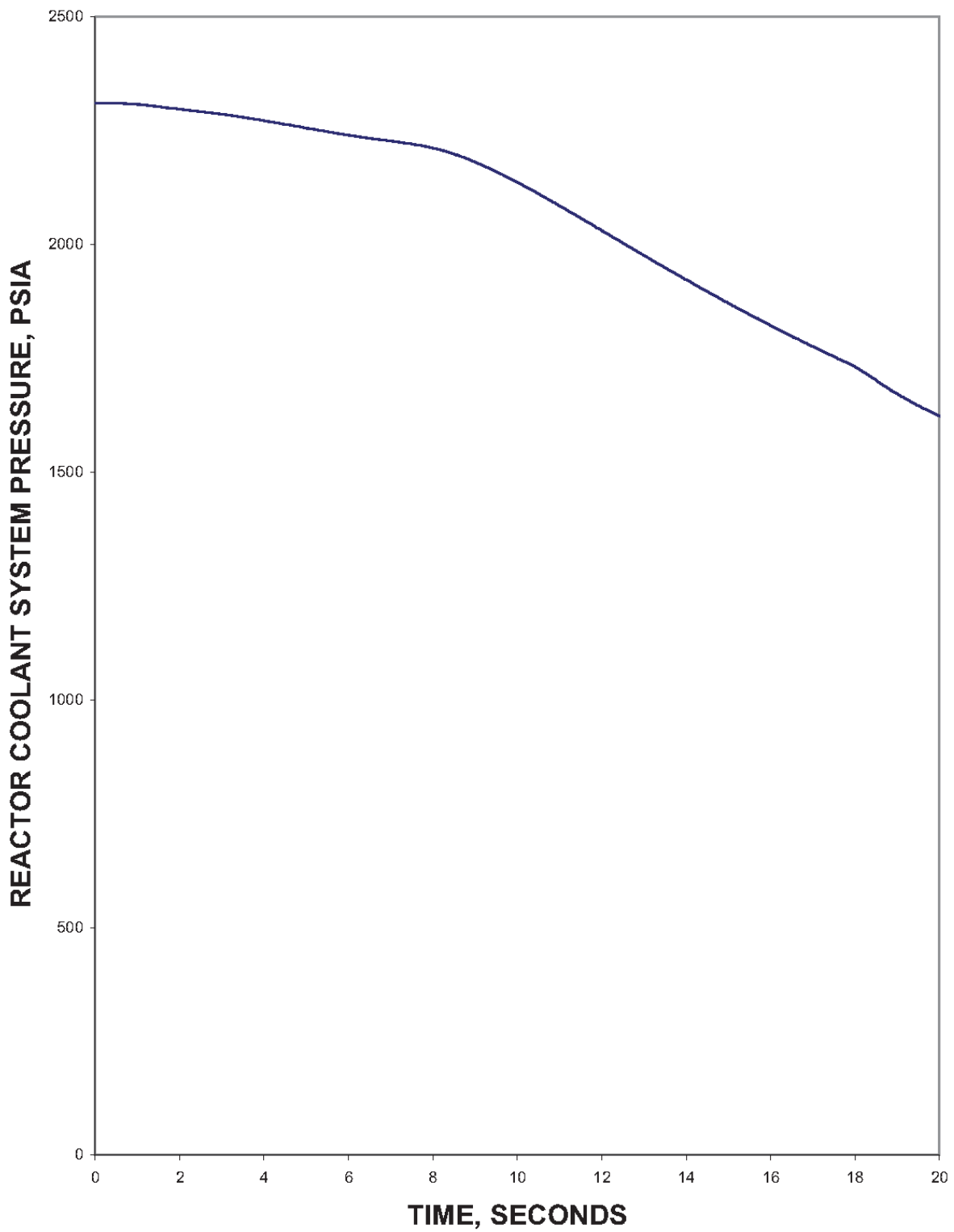


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Inside Containment Steam Line Break
Pre-Trip Power Excursion
Reactor Coolant System Temperatures vs. Time

Figure
15.1-89

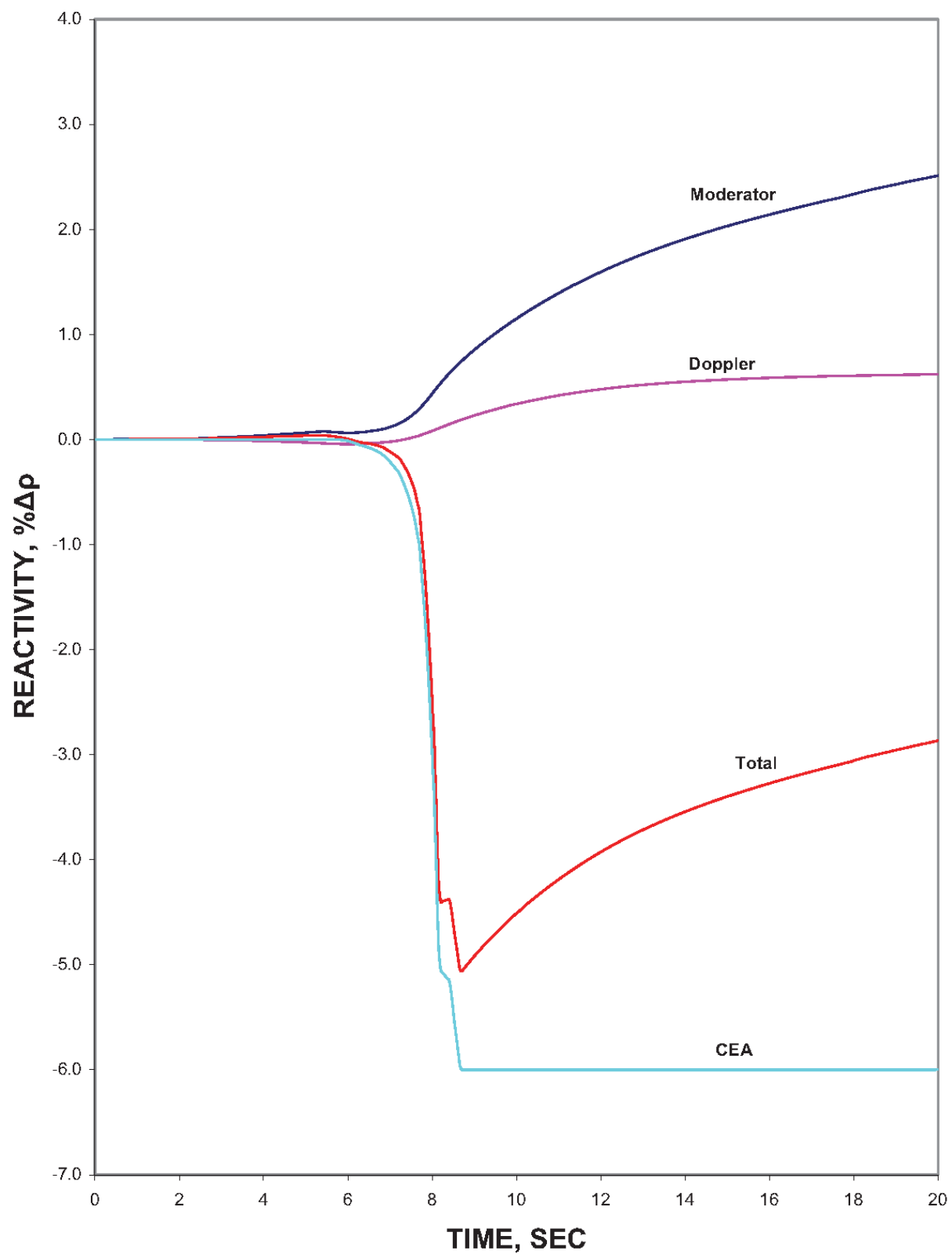


Revision 307 (07/13)

Waterford Steam
Electric Station #3

Inside Containment Steam Line Break
Pre-Trip Power Excursion
Reactor Coolant System Pressure vs. Time

Figure
15.1-90

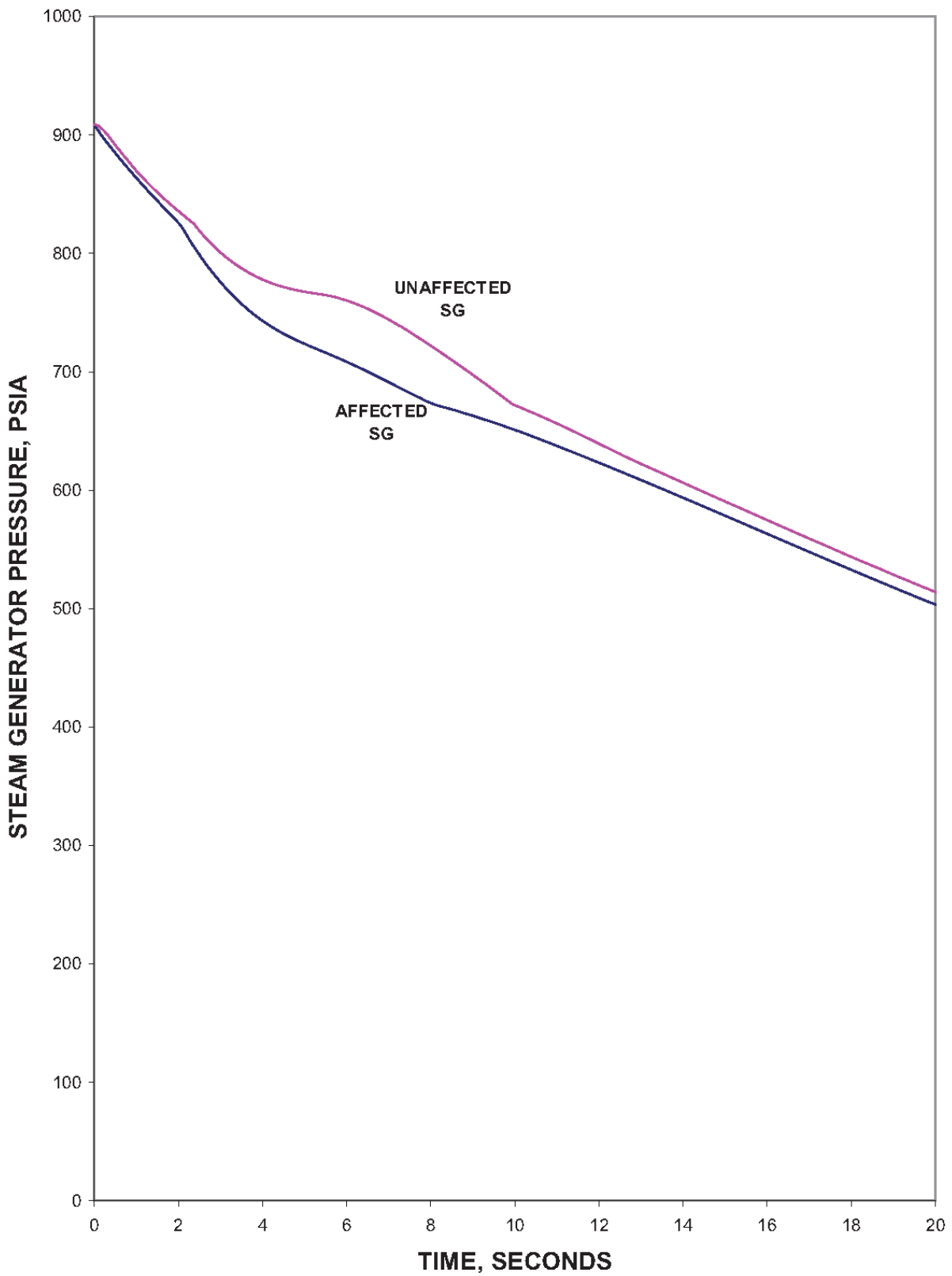


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Waterford Steam
Electric Station #3

Inside Containment Steam Line Break
Pre-Trip Power Excursion
Reactivity vs. Time

Figure
15.1-91

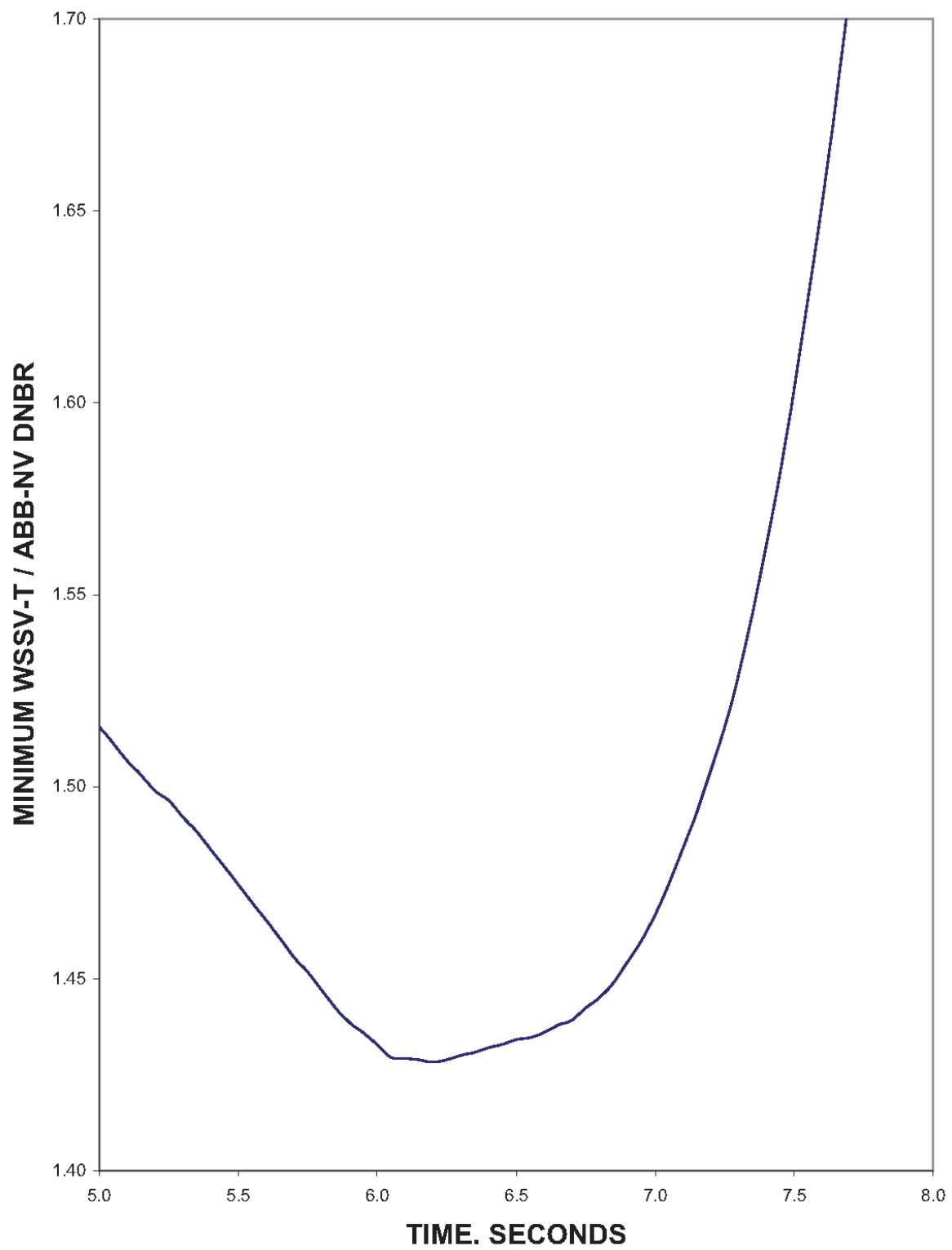


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Waterford Steam
Electric Station #3

Inside Containment Steam Line Break
Pre-Trip Power Excursion
Steam Generator Pressure vs. Time

Figure
15.1-92



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Waterford Steam
Electric Station #3

Inside Containment Steam Line Break
Pre-Trip Power Excursion
DNBR vs. Time

Figure
15.1-93

➔(EC-8458, R307)

Figure 15.1-94 has been Intentionally Deleted.

➔(EC-8458, R307)