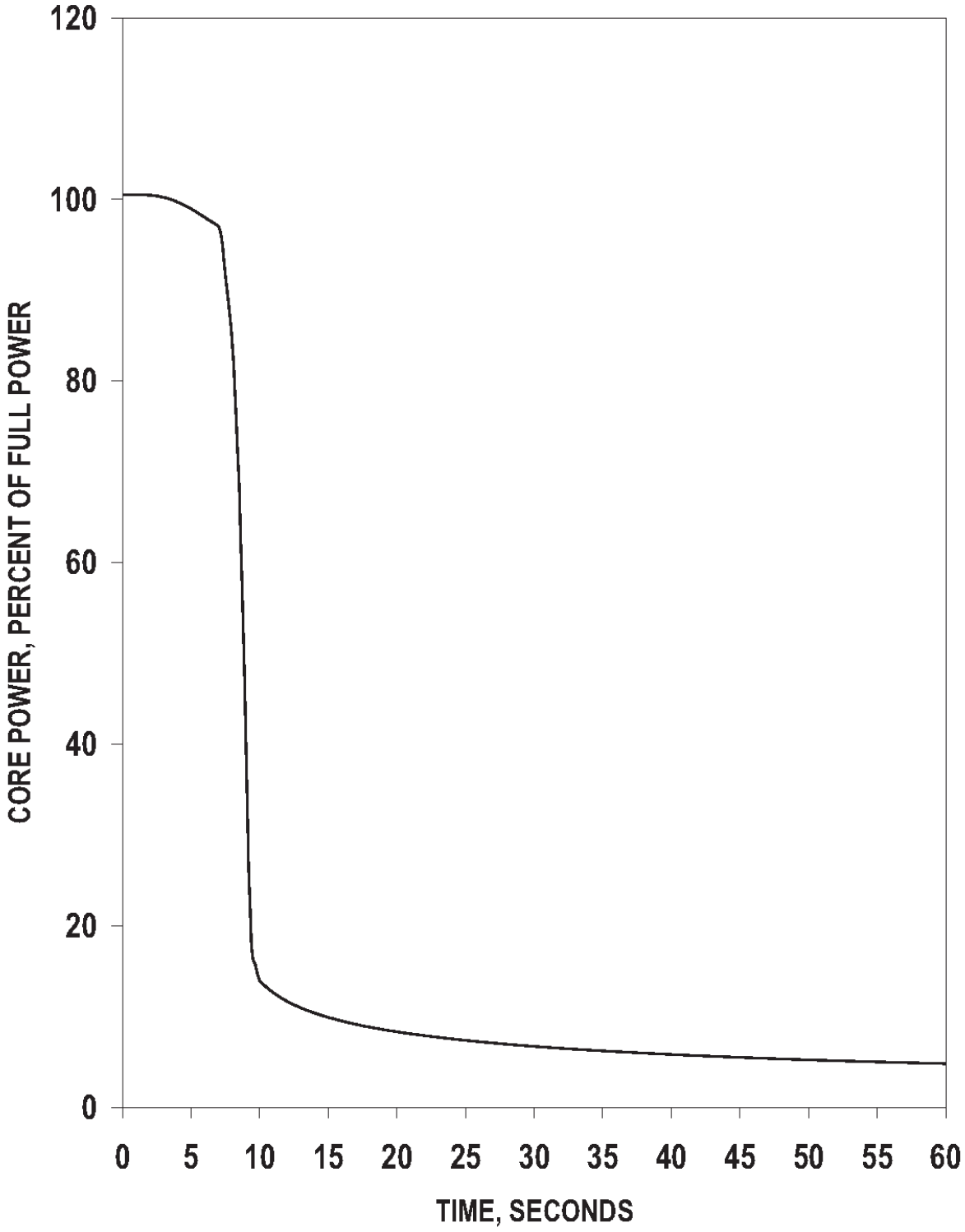
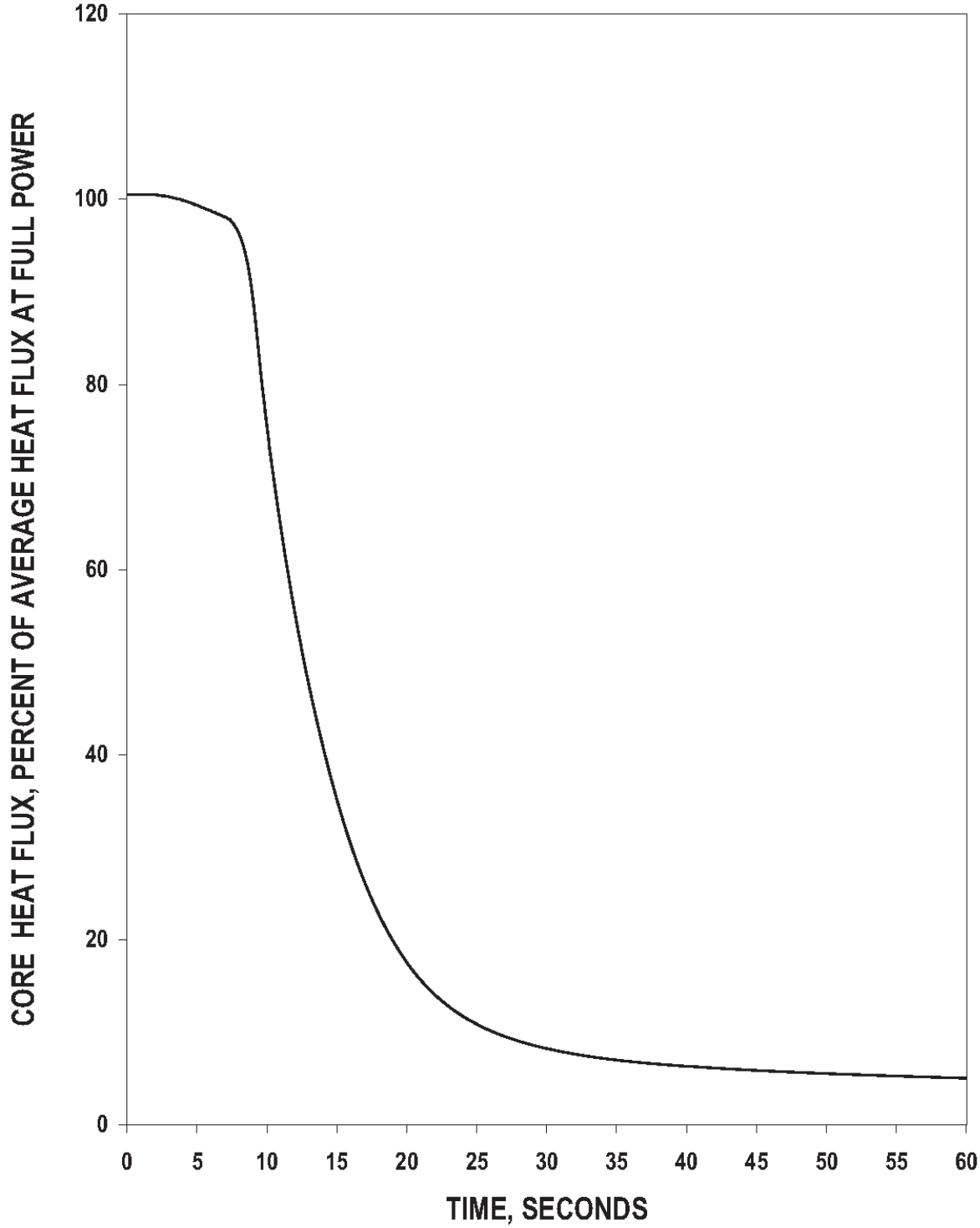


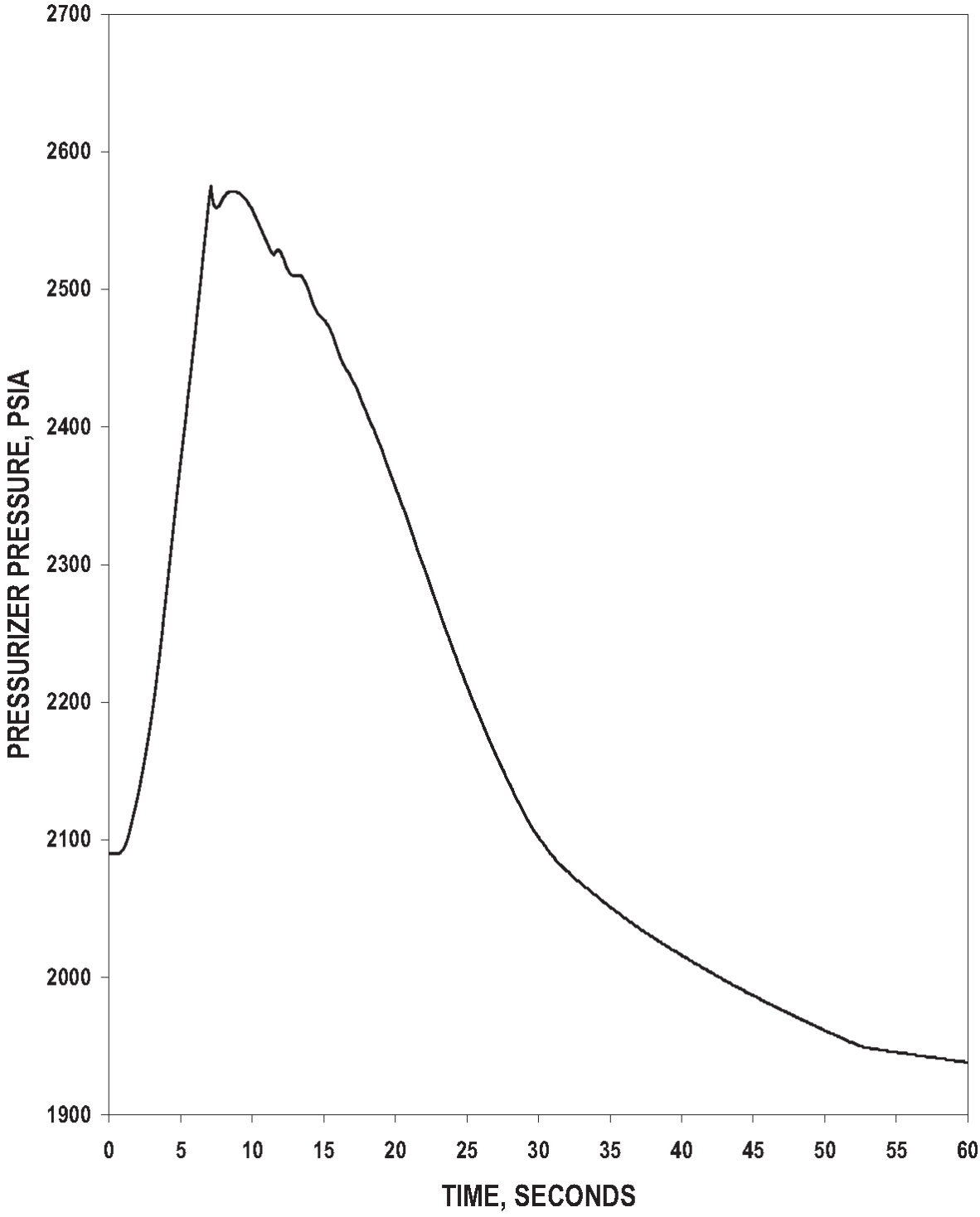
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Core Power vs. Time	Figure 15.2-1



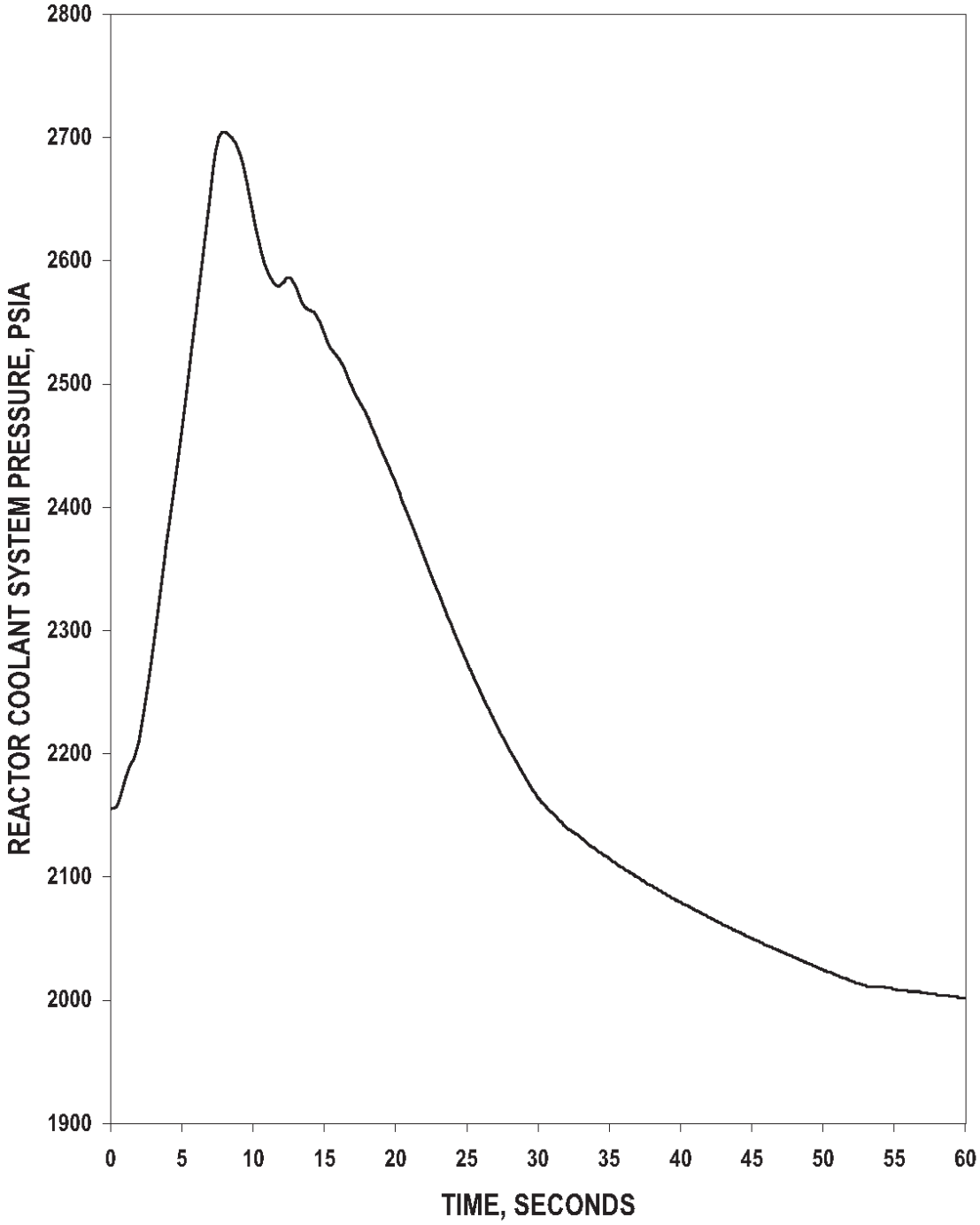
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Core Average Heat Flux vs. Time	Figure 15.2-2



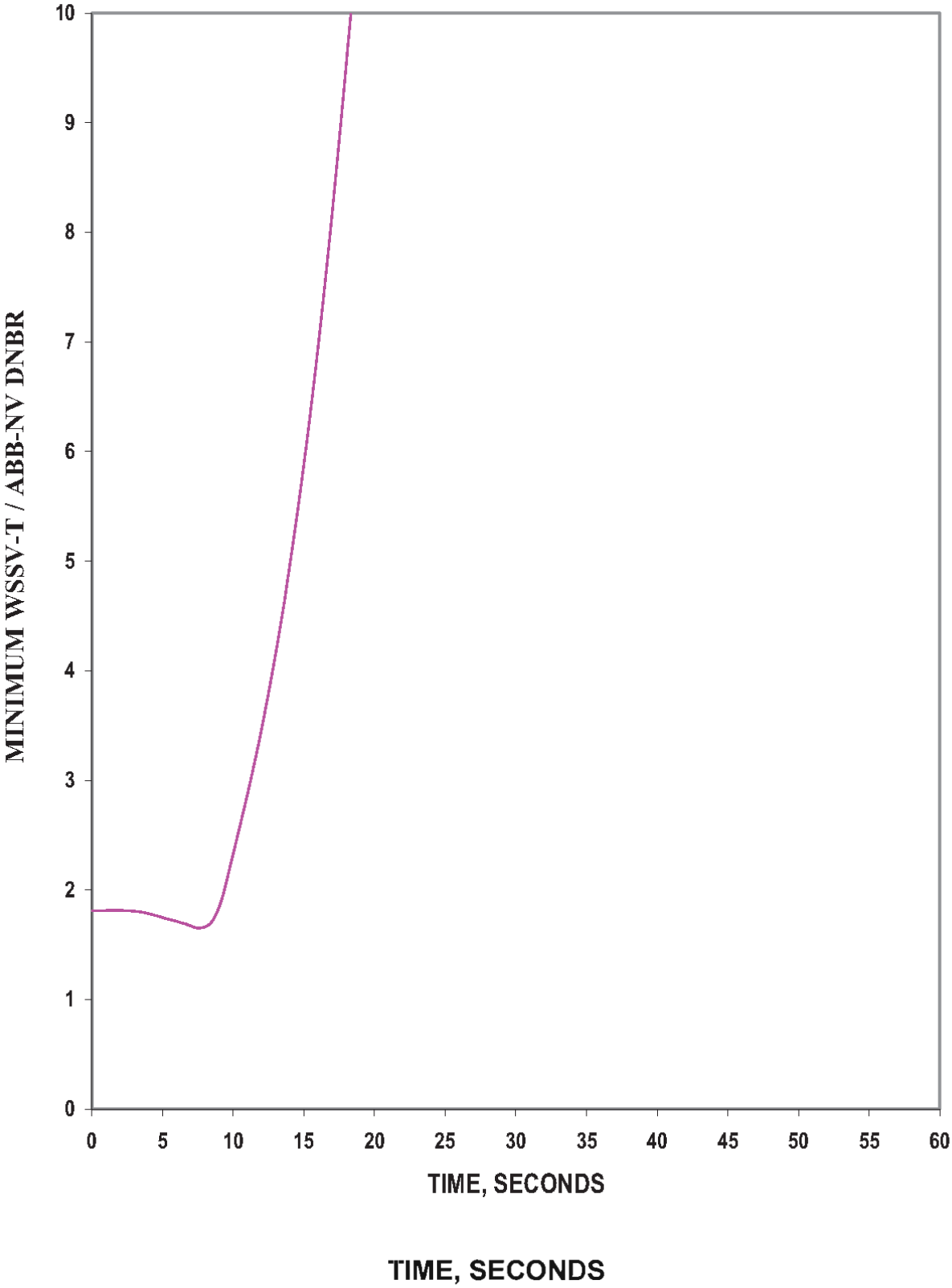
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Pressurizer Pressure vs. Time	Figure 15.2-3



Revision 307 (07/13)

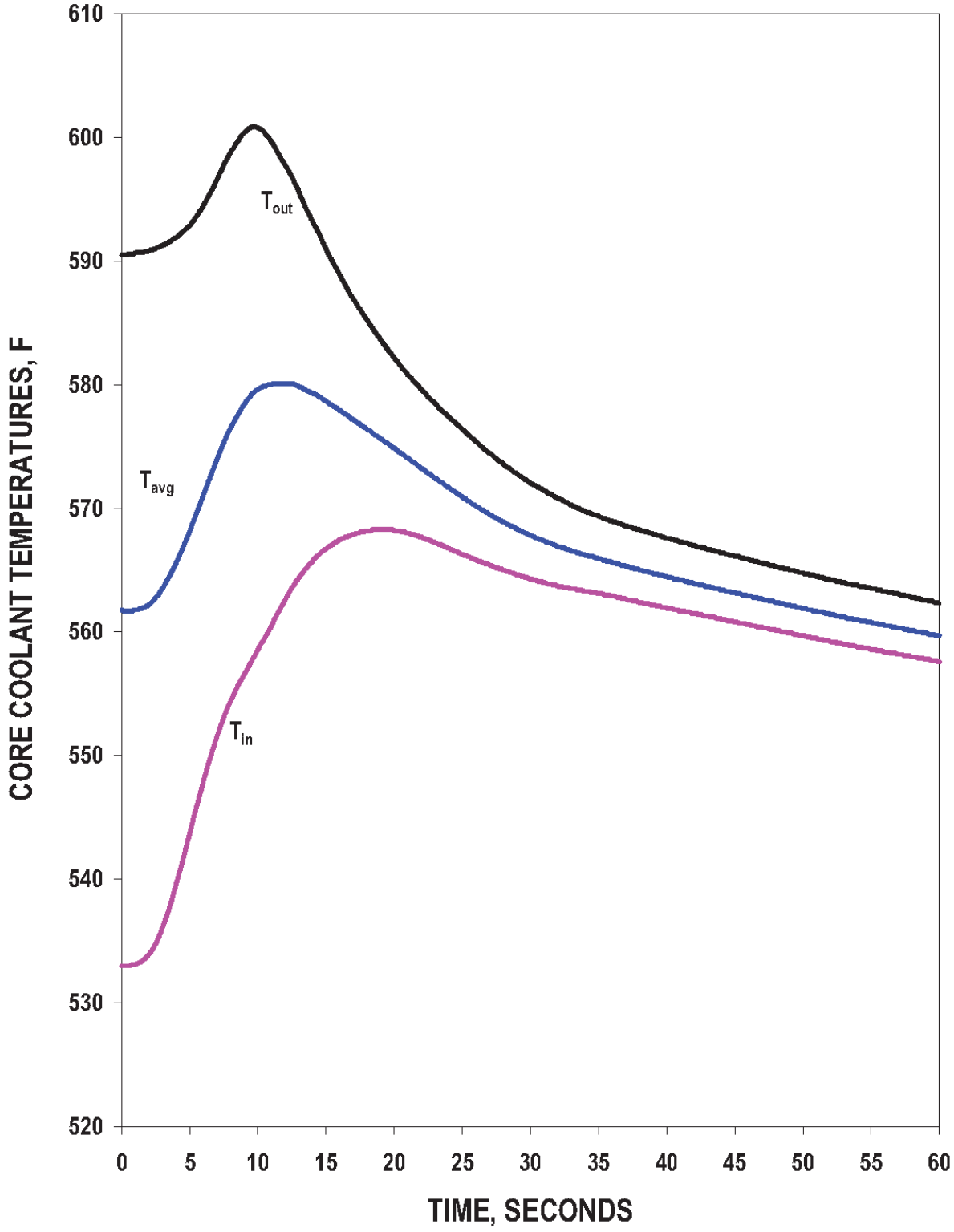
Waterford Steam Electric Station #3	Loss of Condenser Vacuum Reactor Coolant System Pressure vs. Time	Figure 15.2-3a



TIME, SECONDS

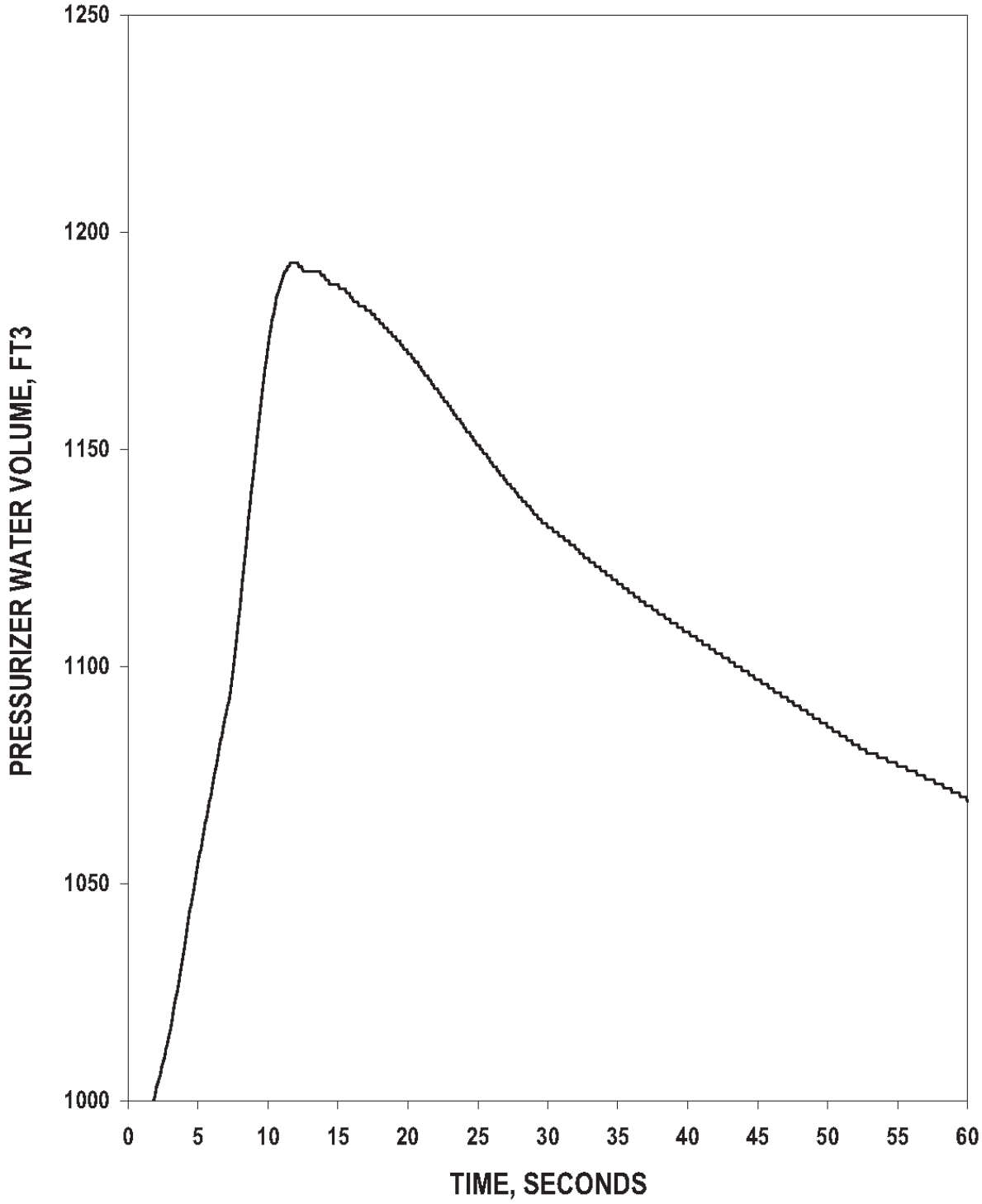
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Minimum DNBR vs. Time	Figure 15.2-4



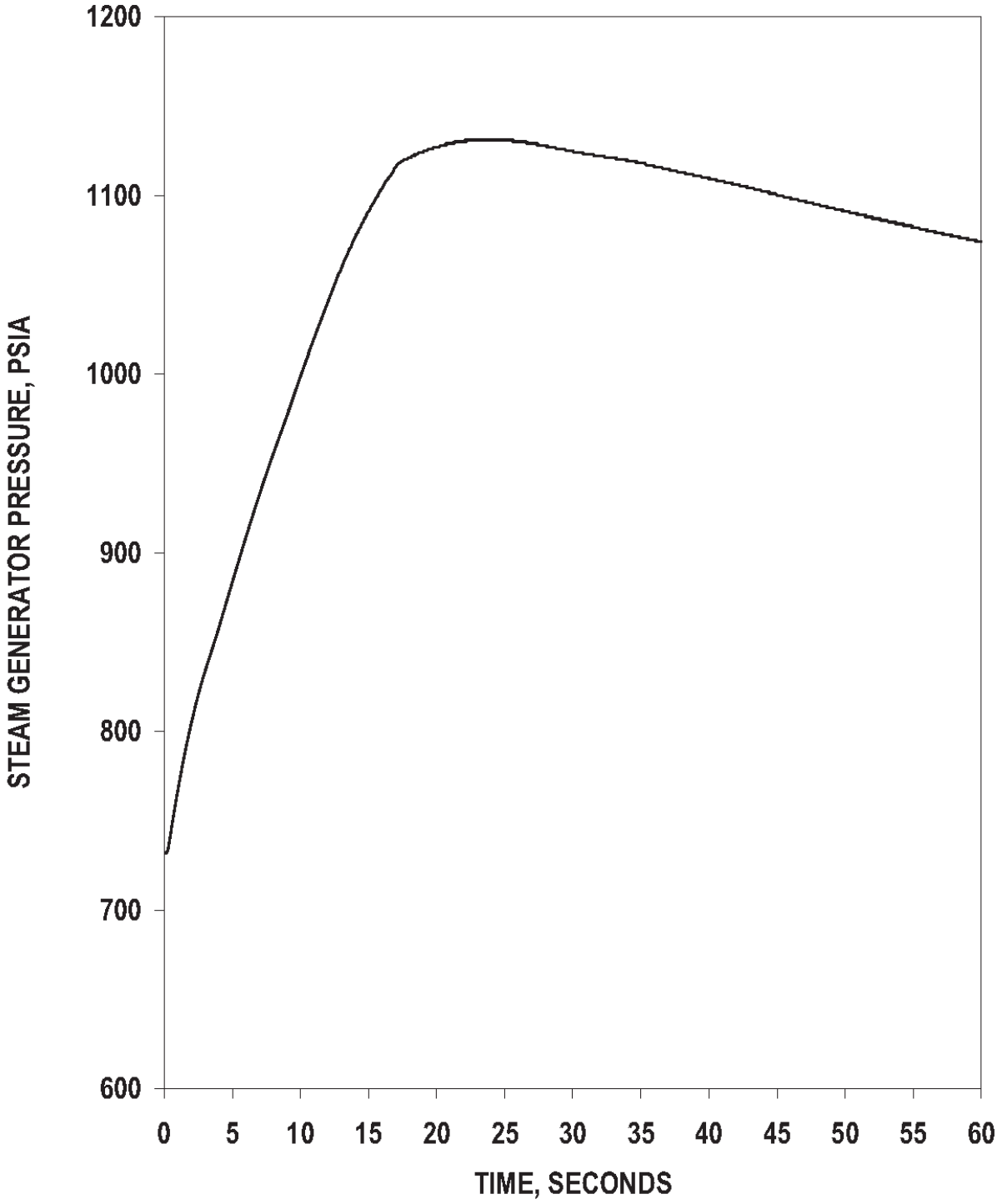
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Reactor Coolant System Temperatures vs. Time	Figure 15.2-5



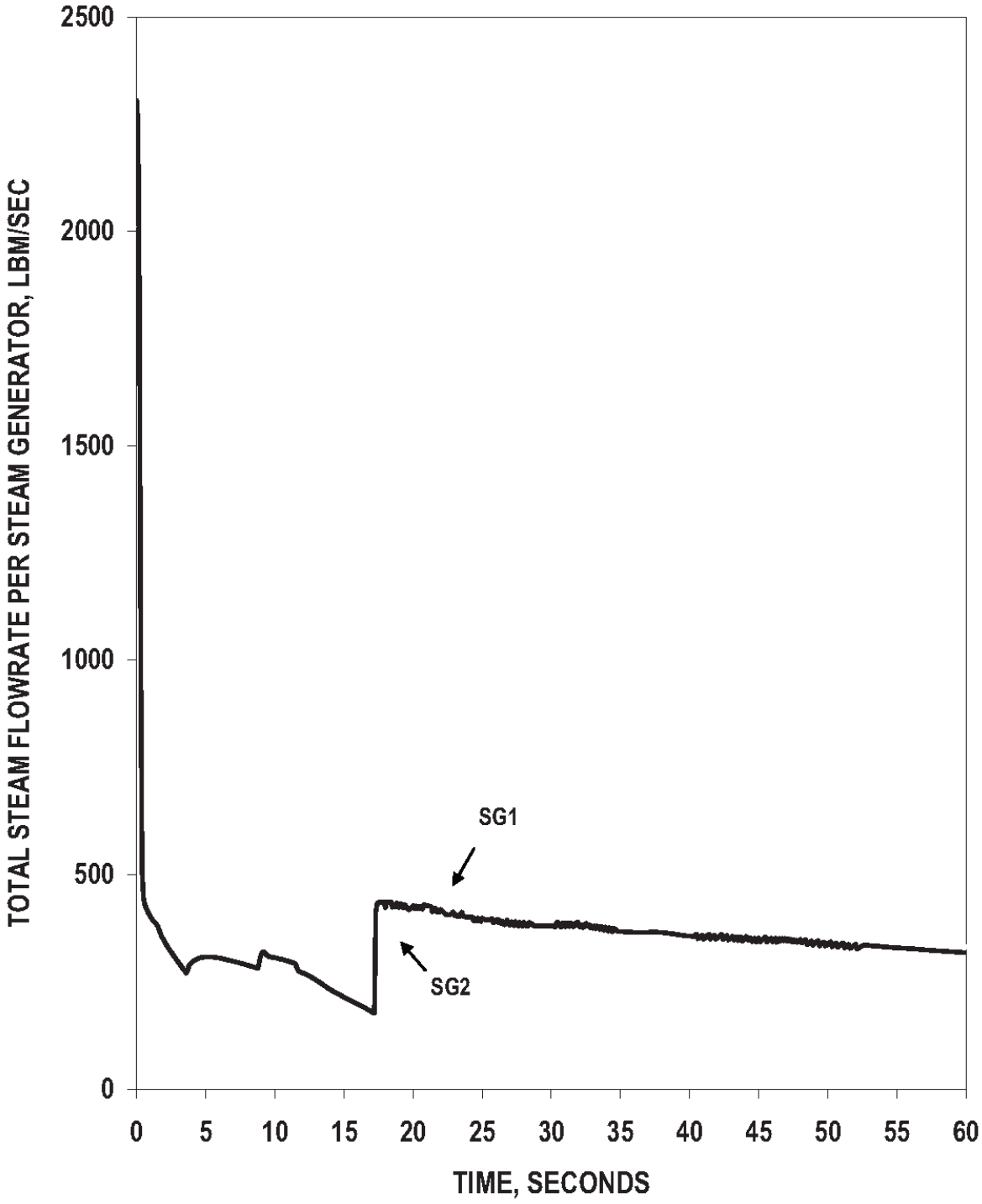
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Pressurizer Water Volume vs. Time	Figure 15.2-6



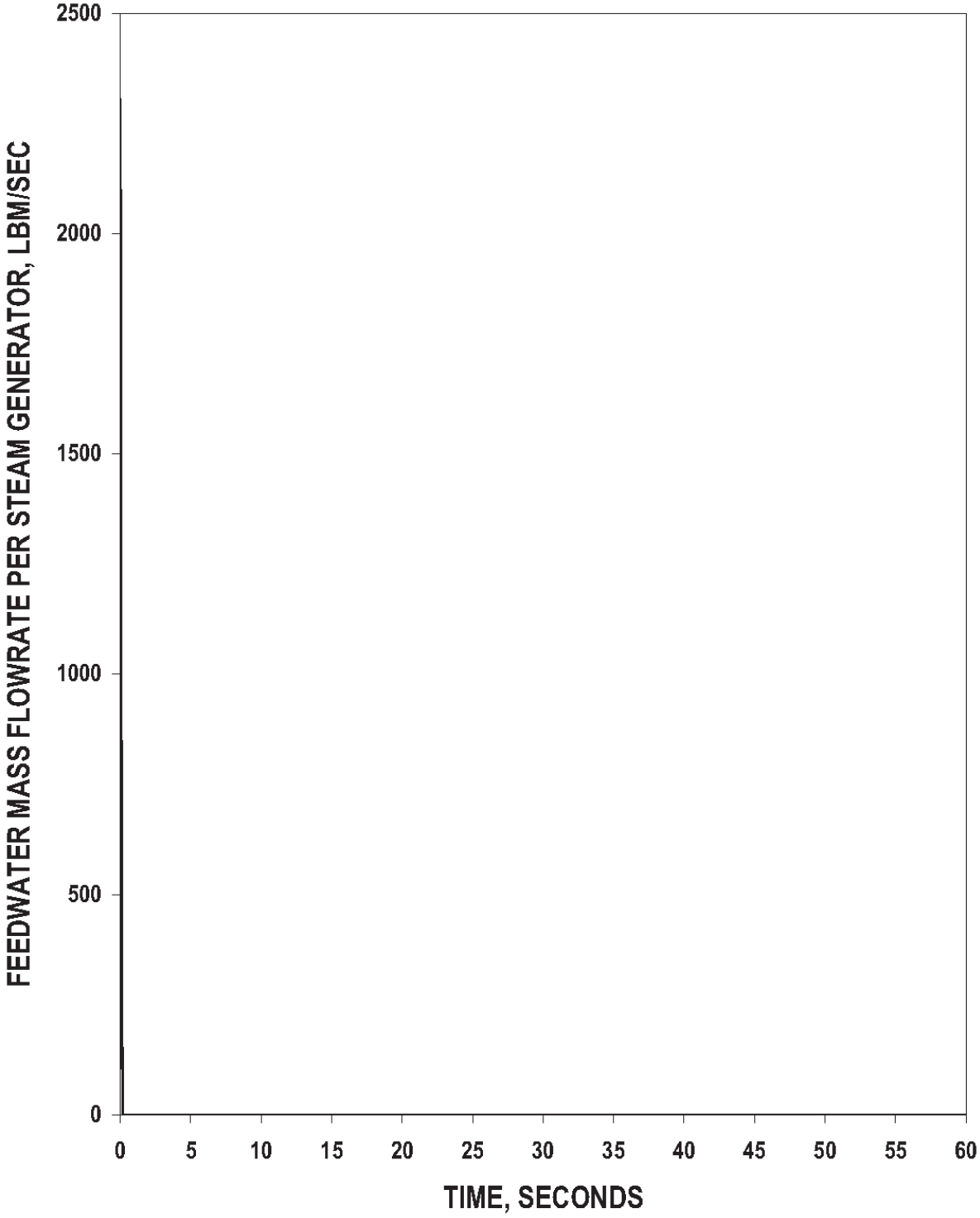
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Steam Generator Pressure vs. Time	Figure 15.2-7



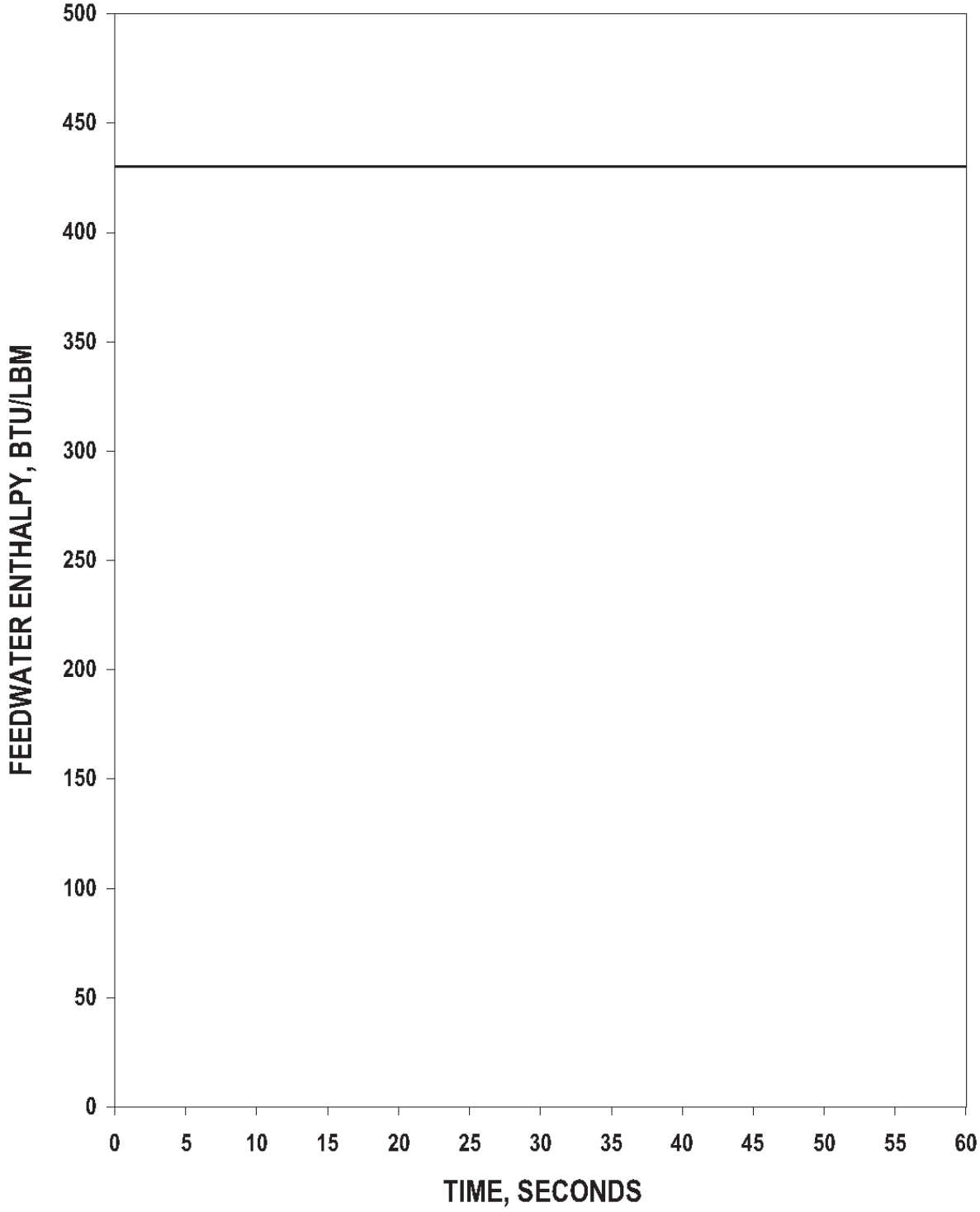
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Total Steam Flowrate per Steam Generator vs. Time	Figure 15.2-8



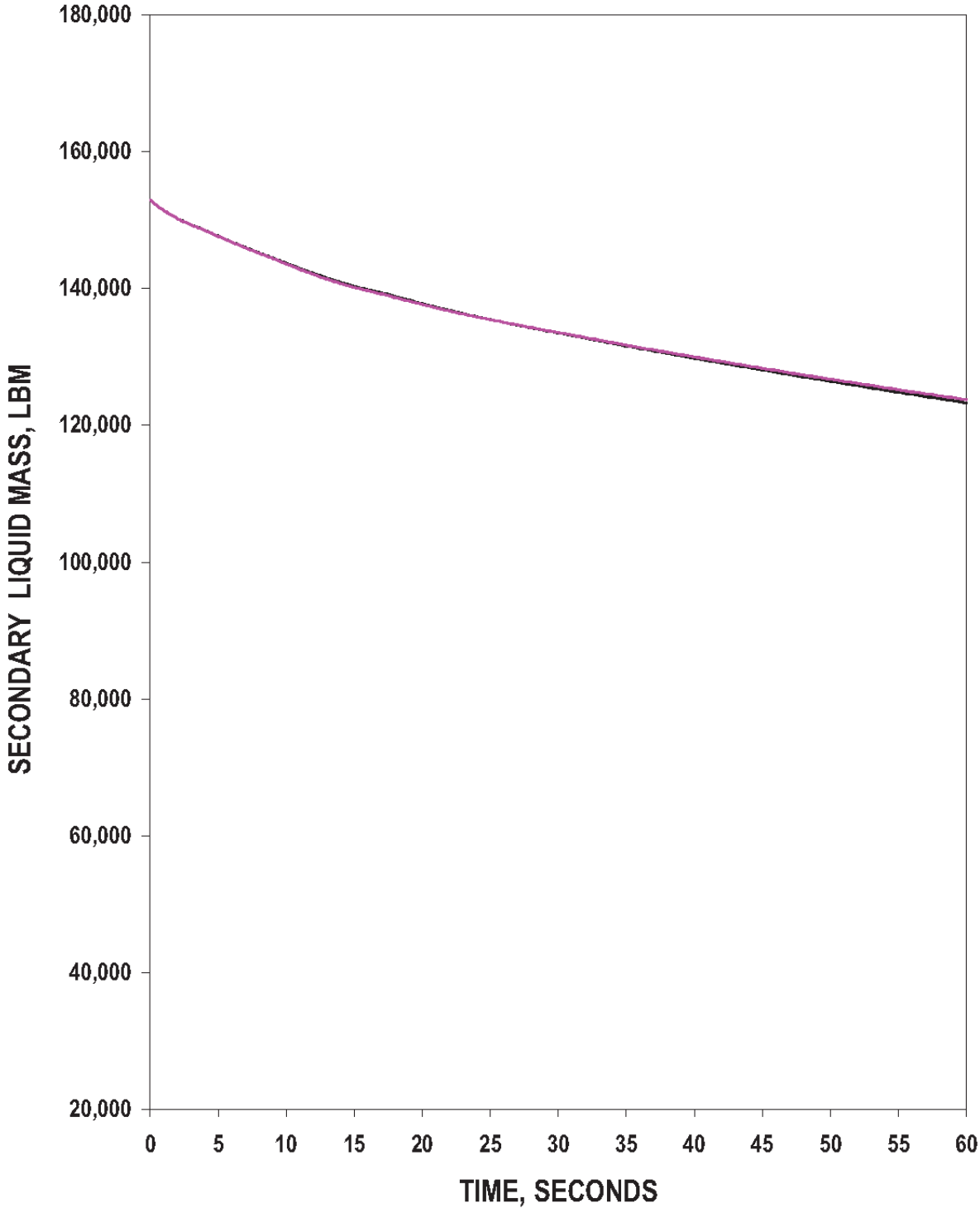
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Feedwater Mass Flowrate per Steam Generator vs. Time	Figure 15.2-9



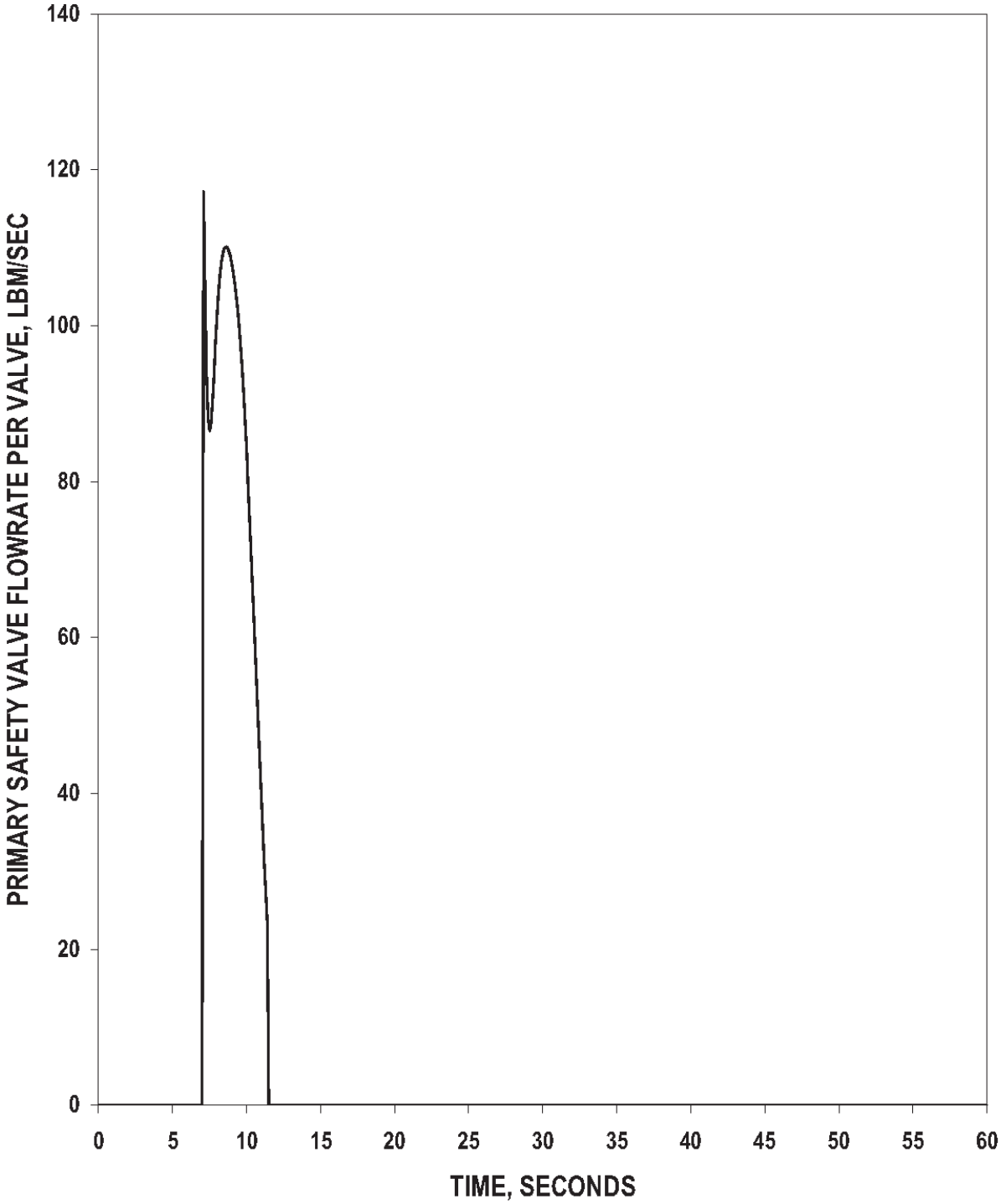
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Feedwater Enthalpy vs. Time	Figure 15.2-10



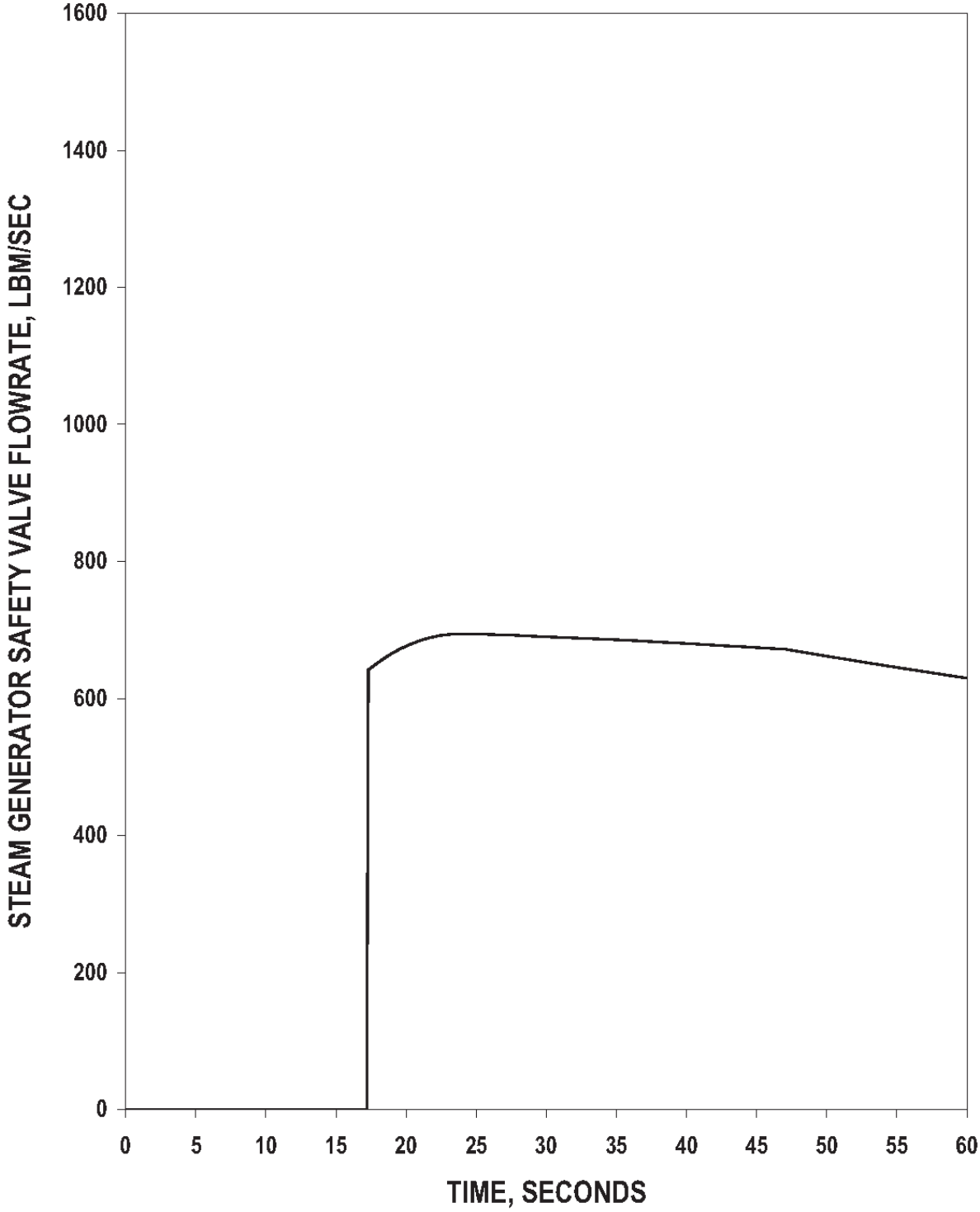
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Secondary Liquid Mass vs. Time	Figure 15.2-11



Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Primary Safety Valve Flowrate vs. Time	Figure 15.2-12



Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Condenser Vacuum Steam Generator Safety Valve Flow vs. Time	Figure 15.2-13

→(DRN 05-543, R14)

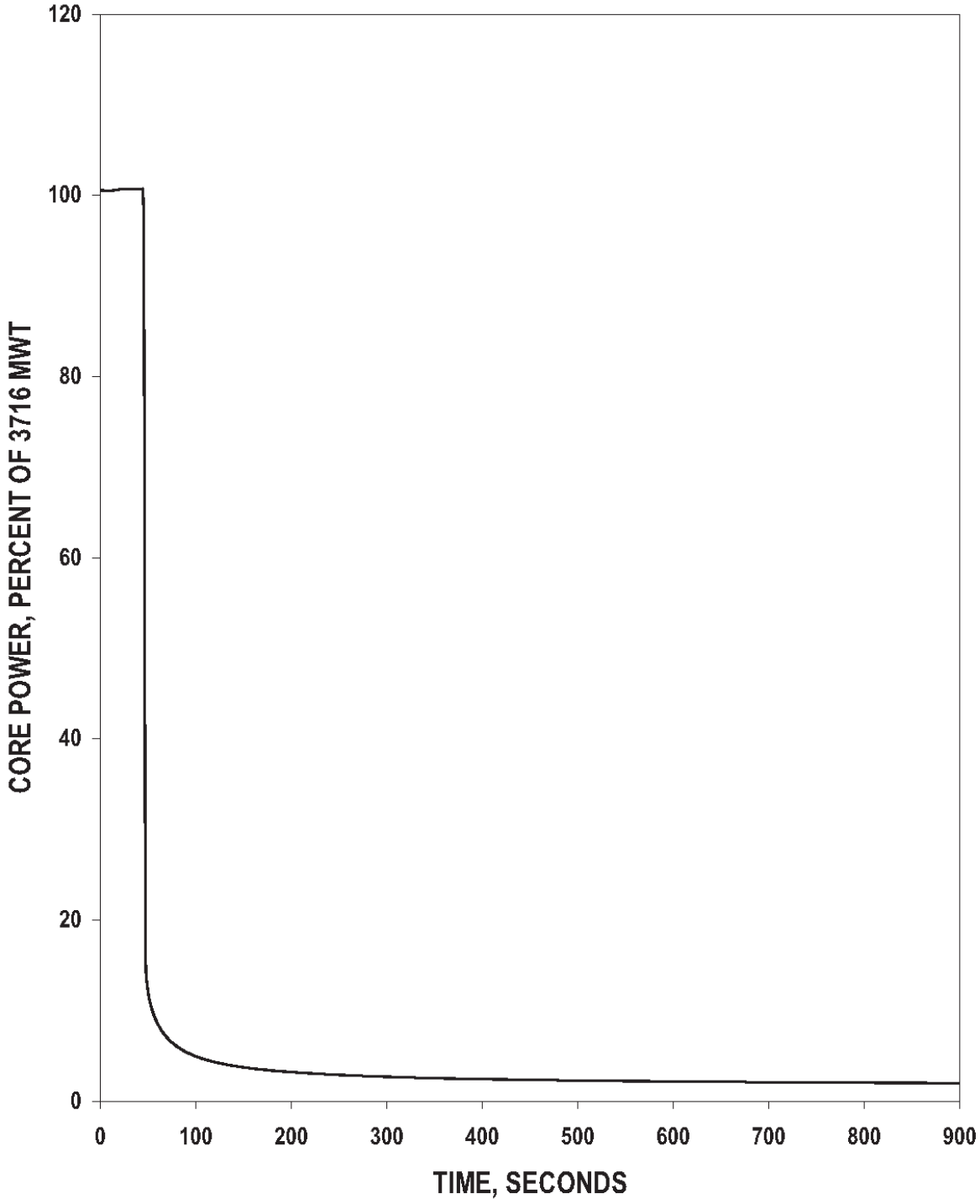
Figures 15.2-14 through 15.2-25 have been intentionally deleted.

←(DRN 05-543, R14)

→(DRN 05-543, R14)

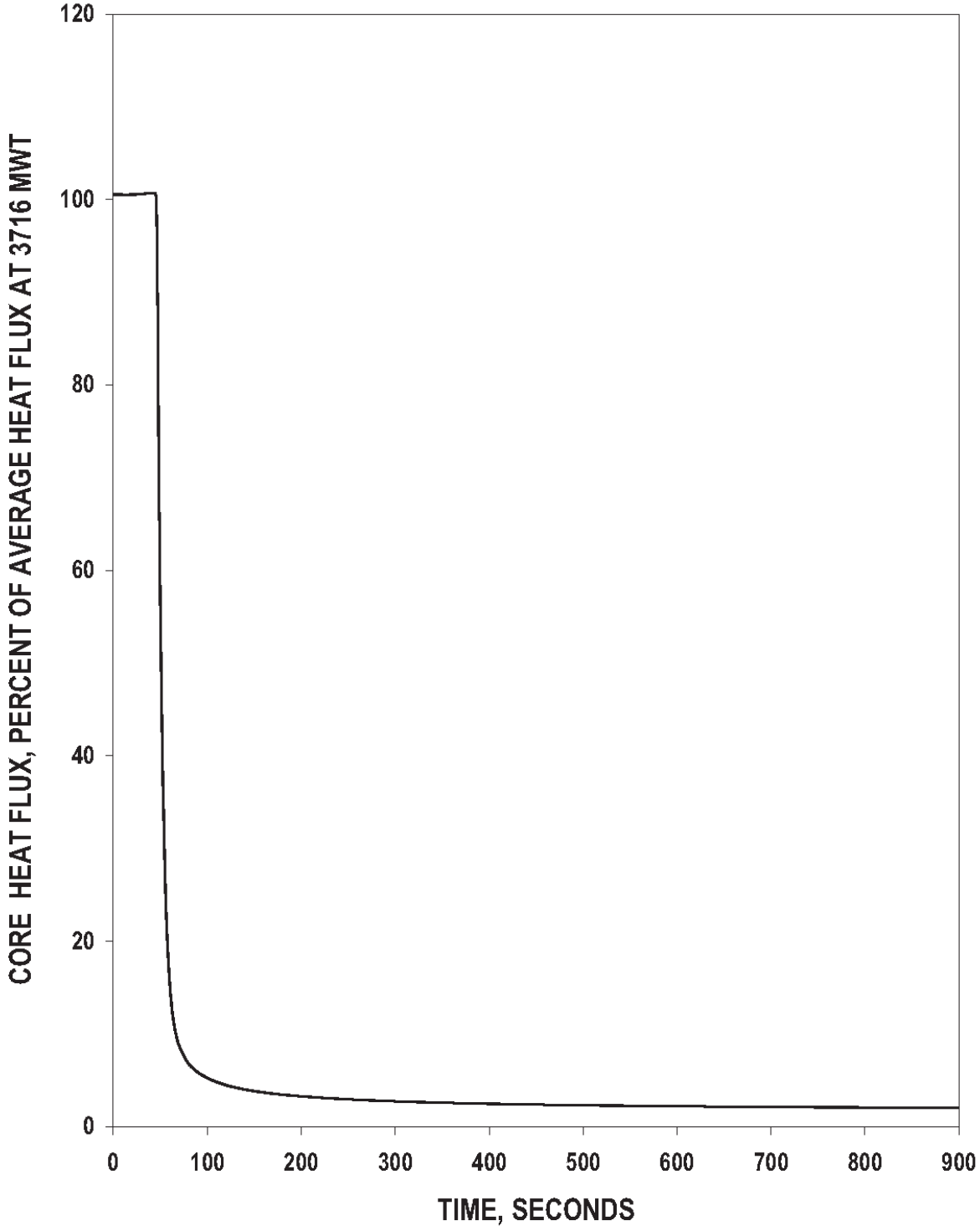
Figures 15.2-25a through 15.2-25j have been intentionally deleted.

←(DRN 05-543, R14)



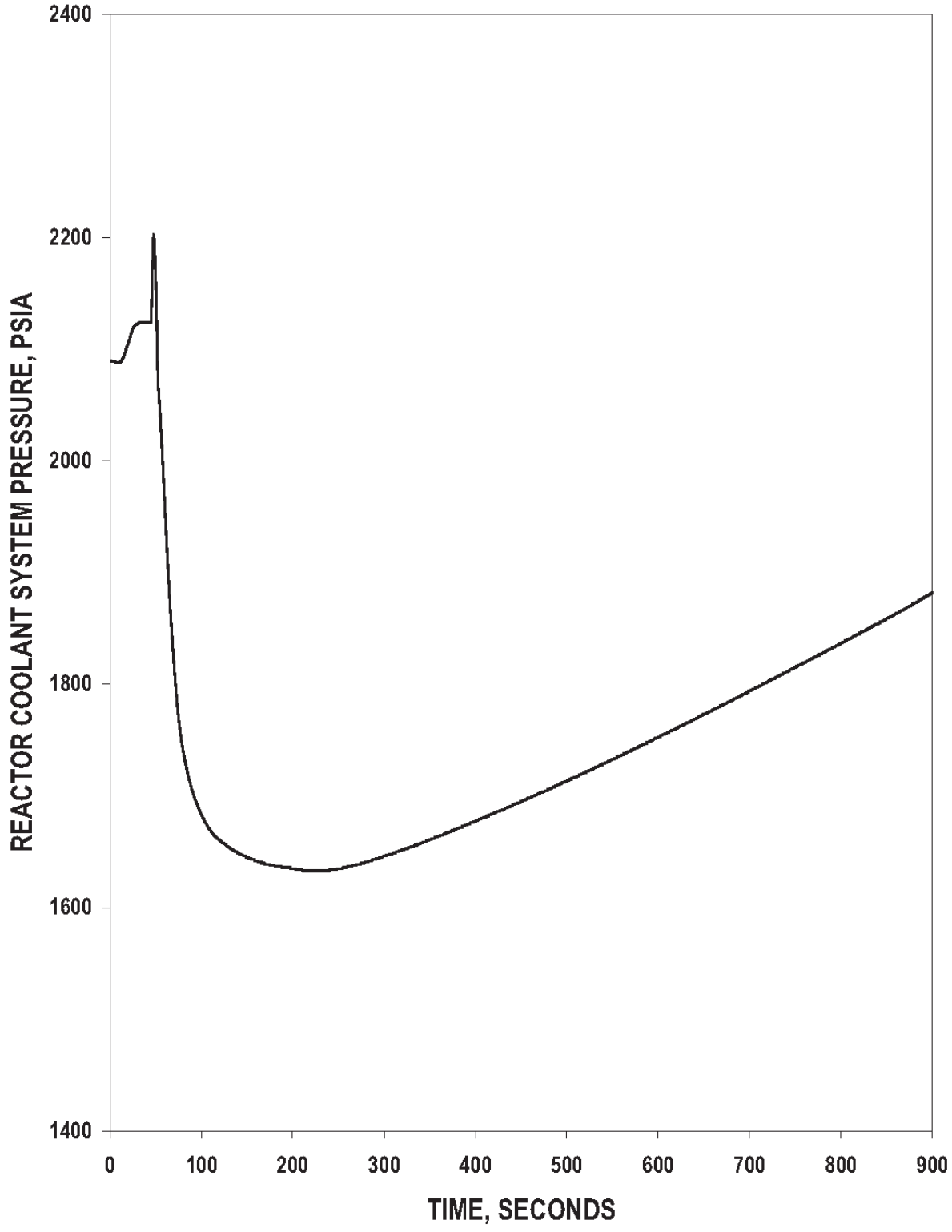
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Core Power vs. Time	Figure 15.2-26



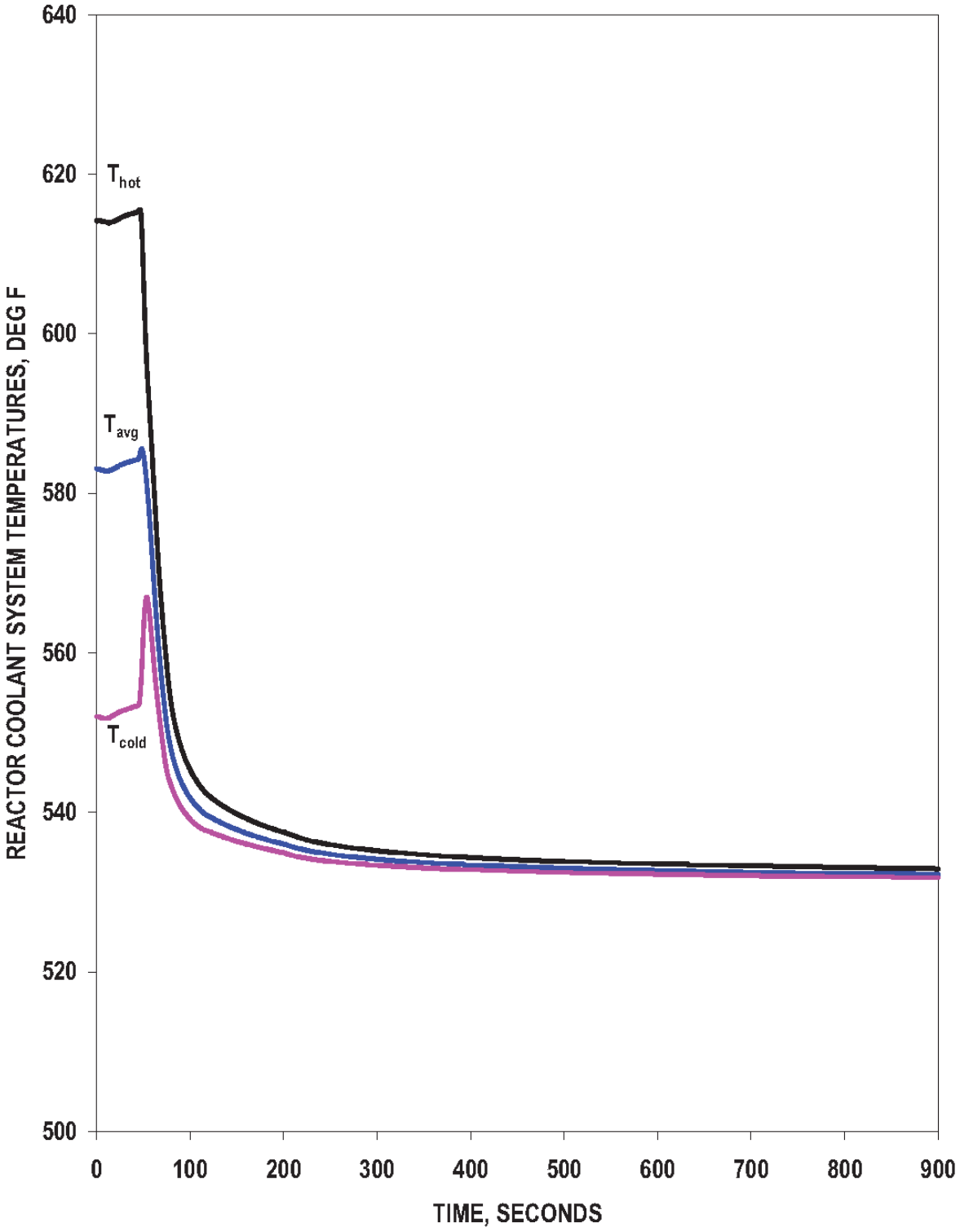
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Core Average Heat Flux vs. Time	Figure 15.2-27



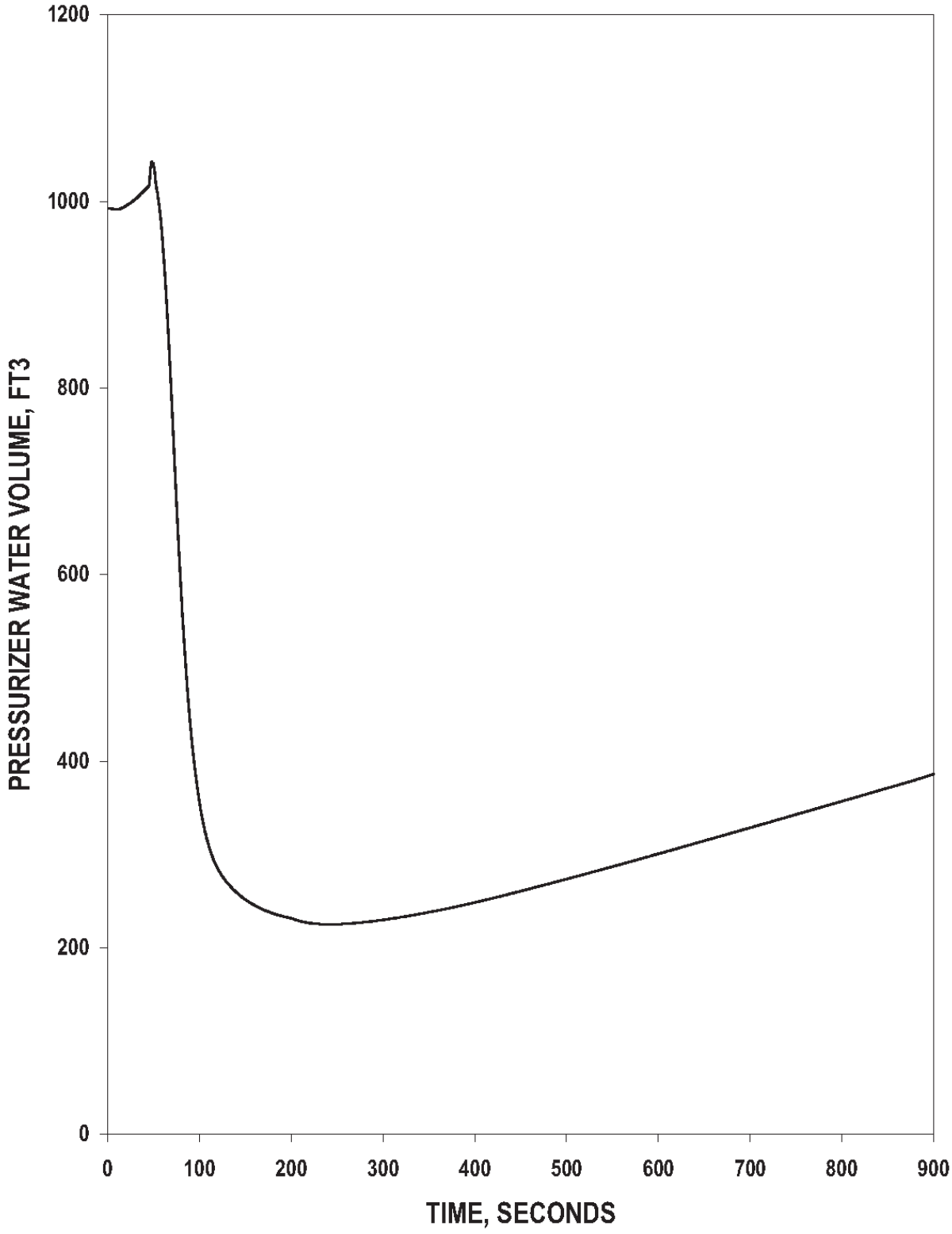
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Reactor Coolant System Pressure vs. Time	Figure 15.2-28



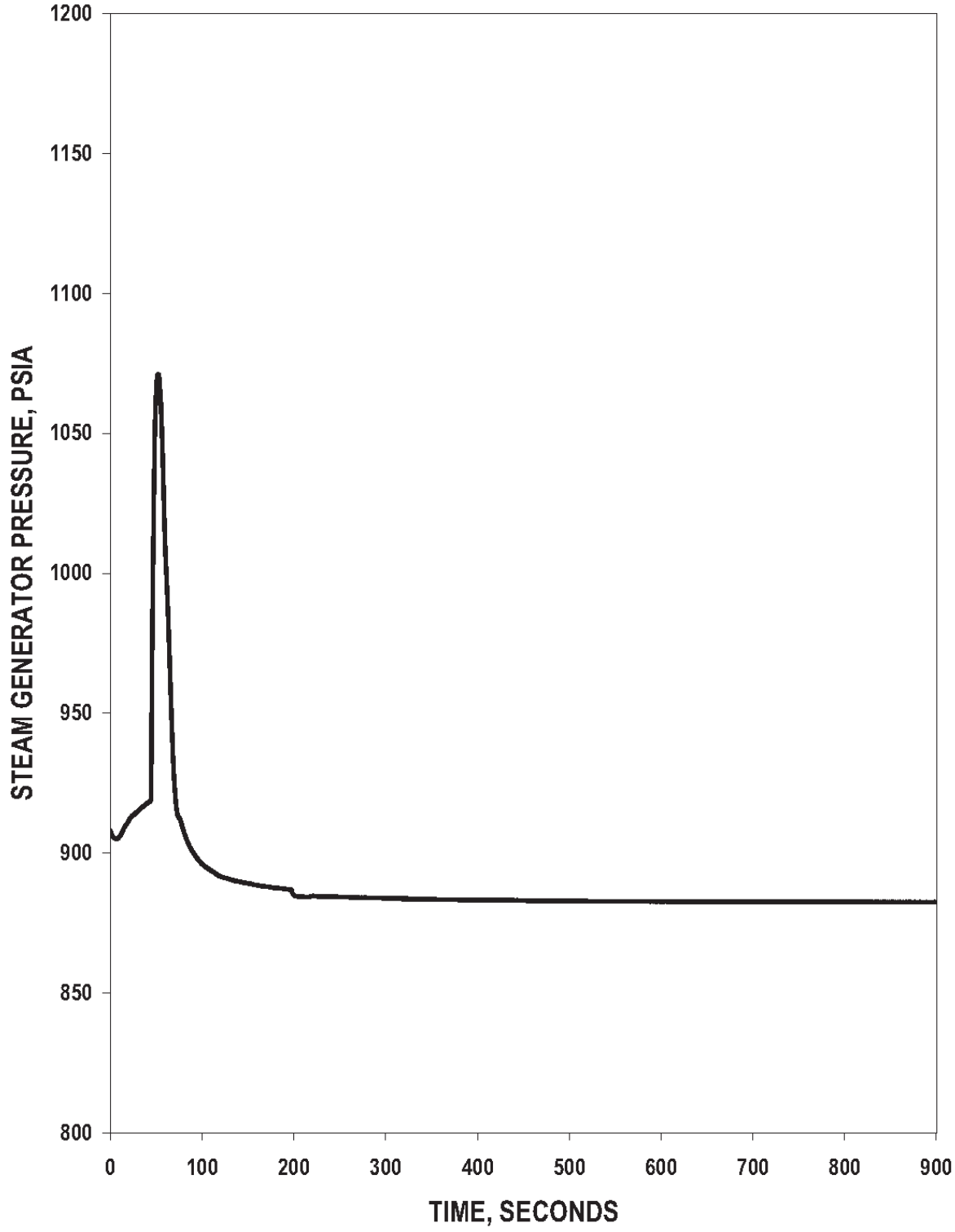
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Reactor Coolant System Temperatures vs. Time	Figure 15.2-29



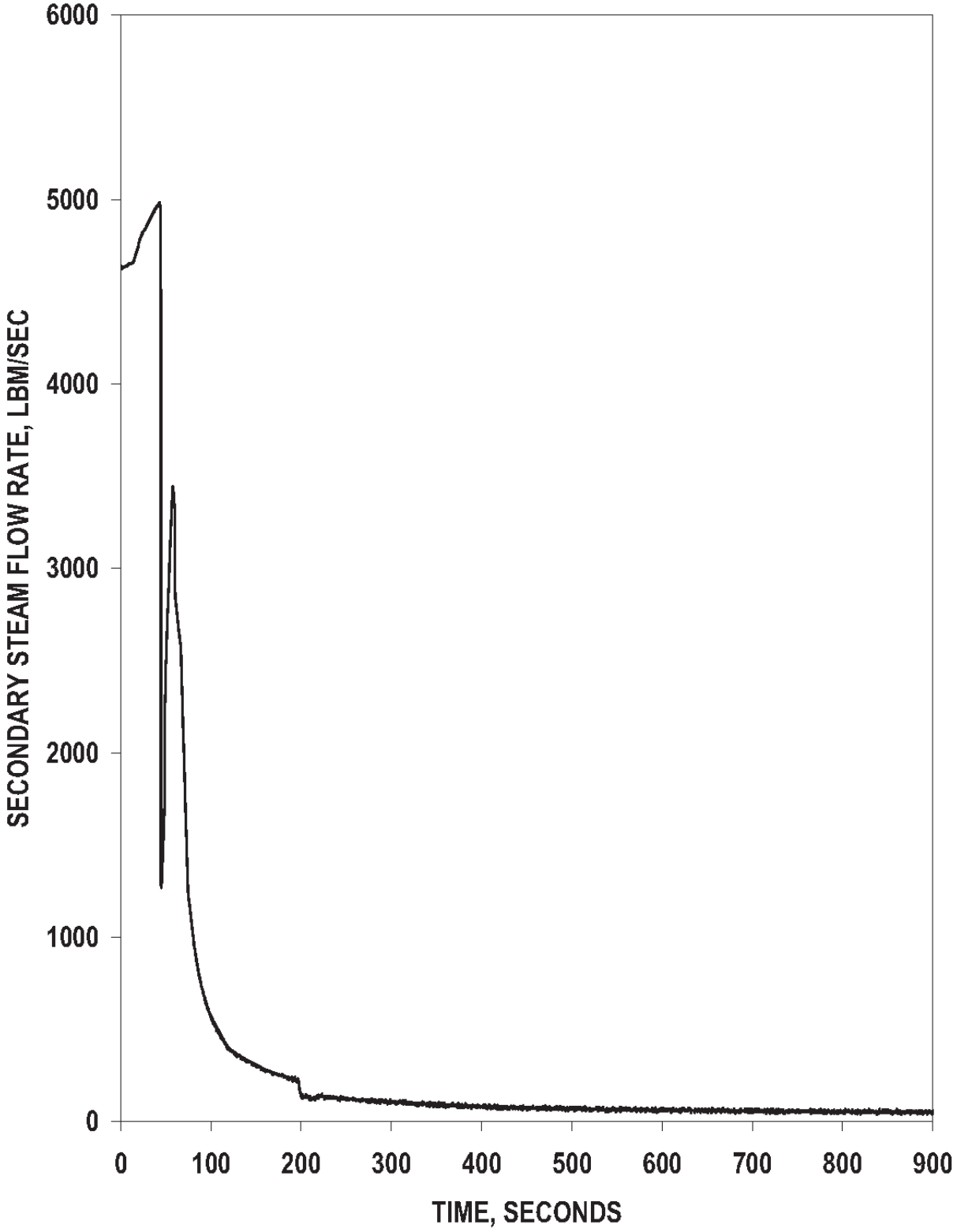
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Pressurizer Water Volume vs. Time	Figure 15.2-30



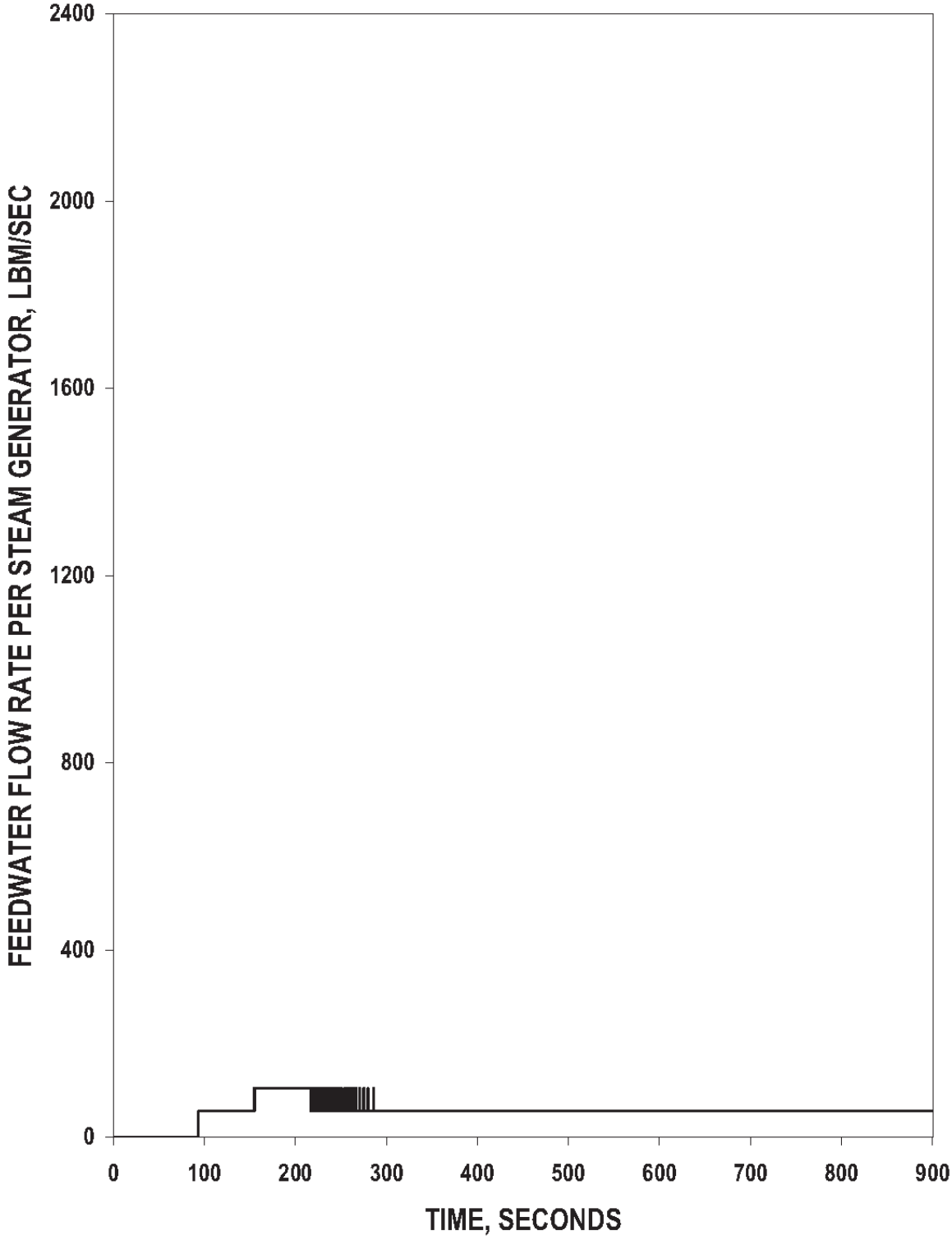
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Steam Generator Pressure vs. Time	Figure 15.2-31



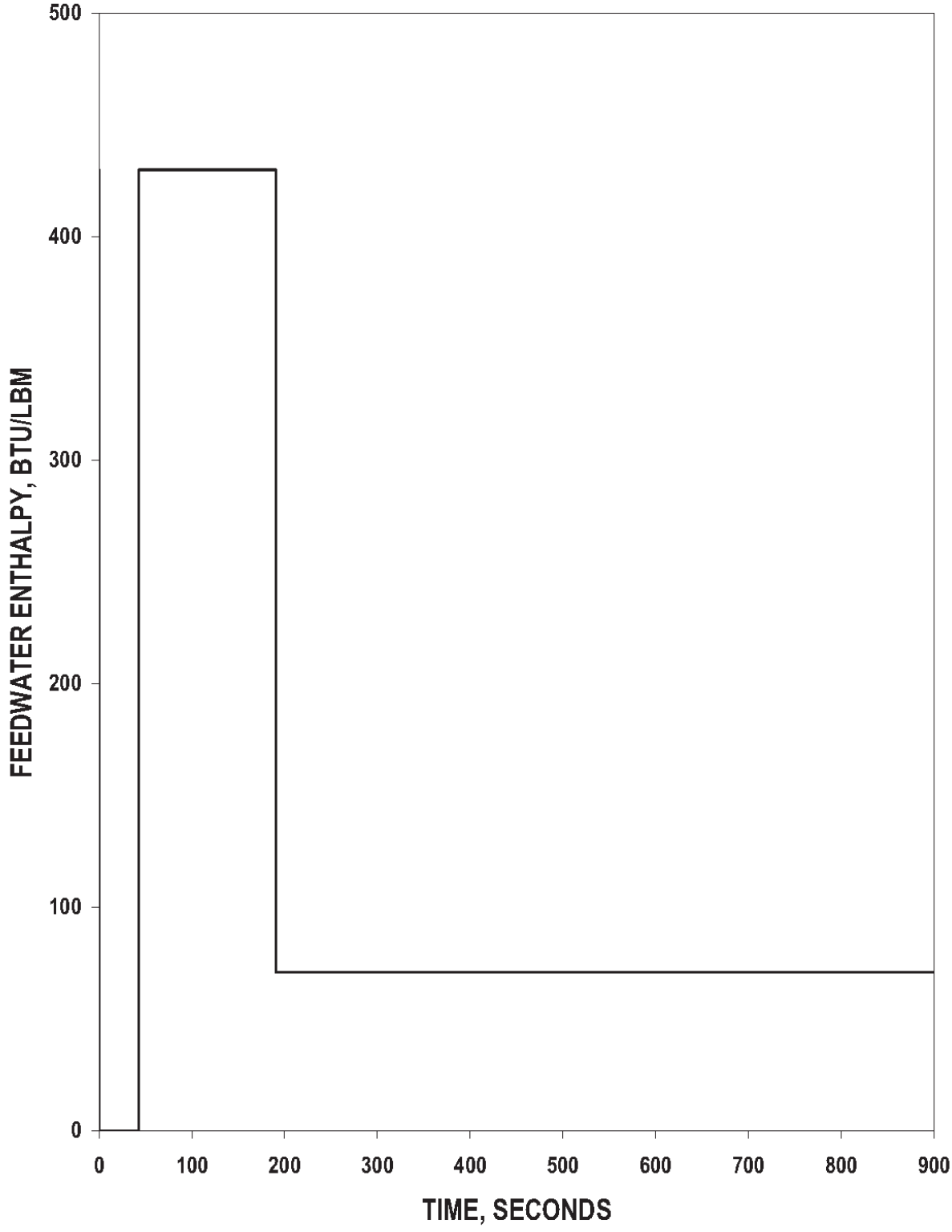
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Secondary Steam Flow Rate vs. Time	Figure 15.2-32



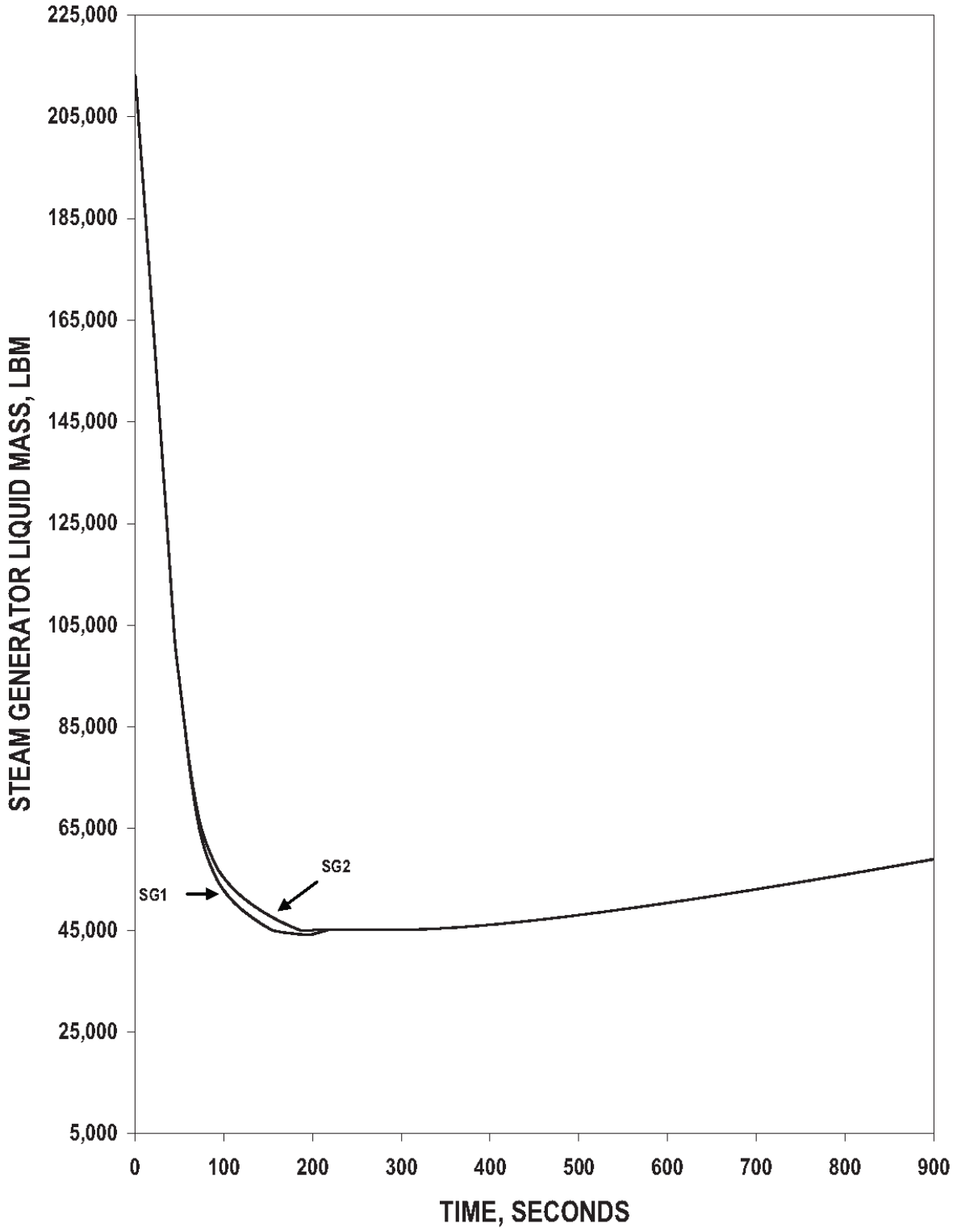
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Feedwater Flowrate Per Steam Generator vs. Time	Figure 15.2-33



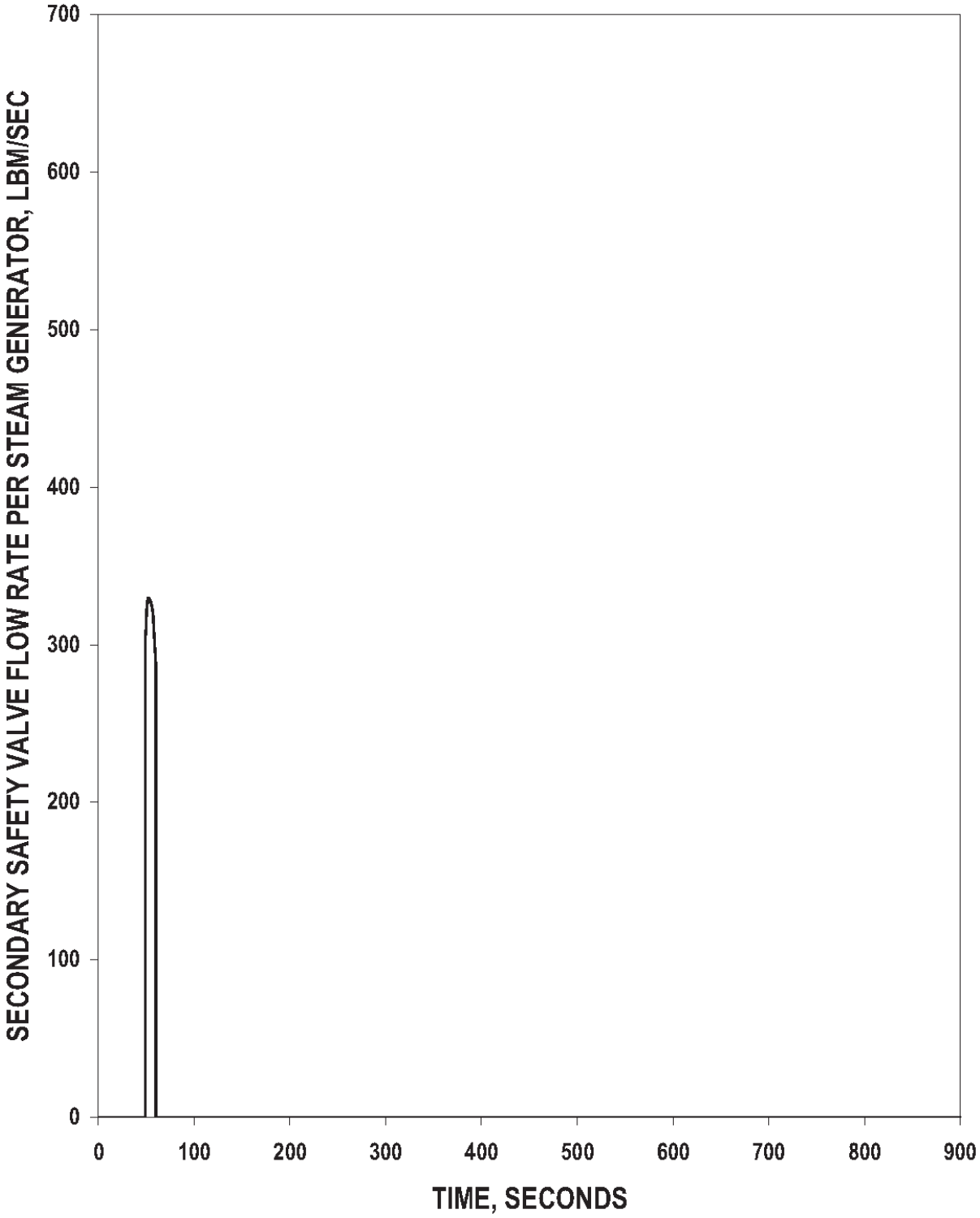
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Feedwater Enthalpy vs. Time	Figure 15.2-34



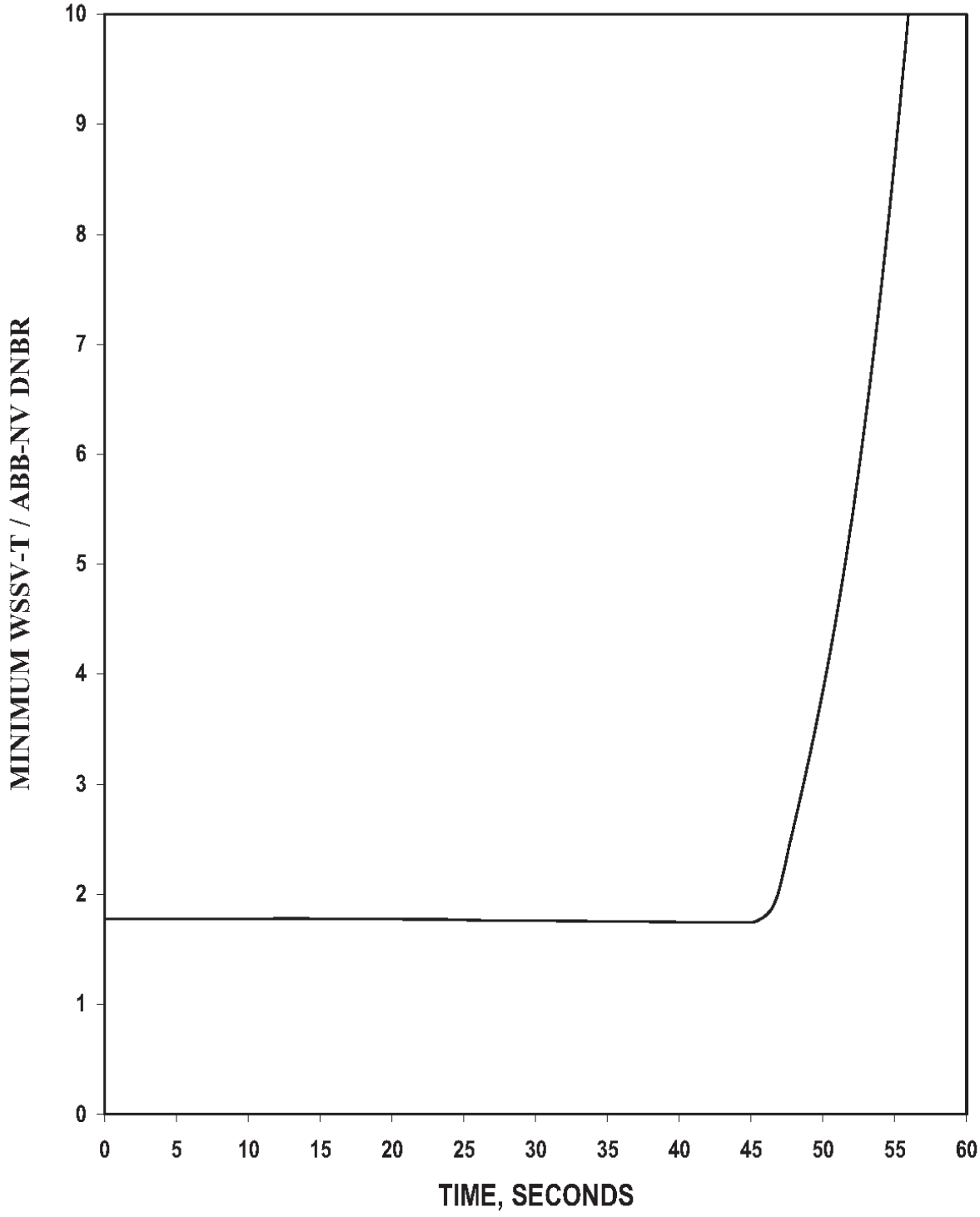
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Secondary Liquid Mass vs. Time	Figure 15.2-35



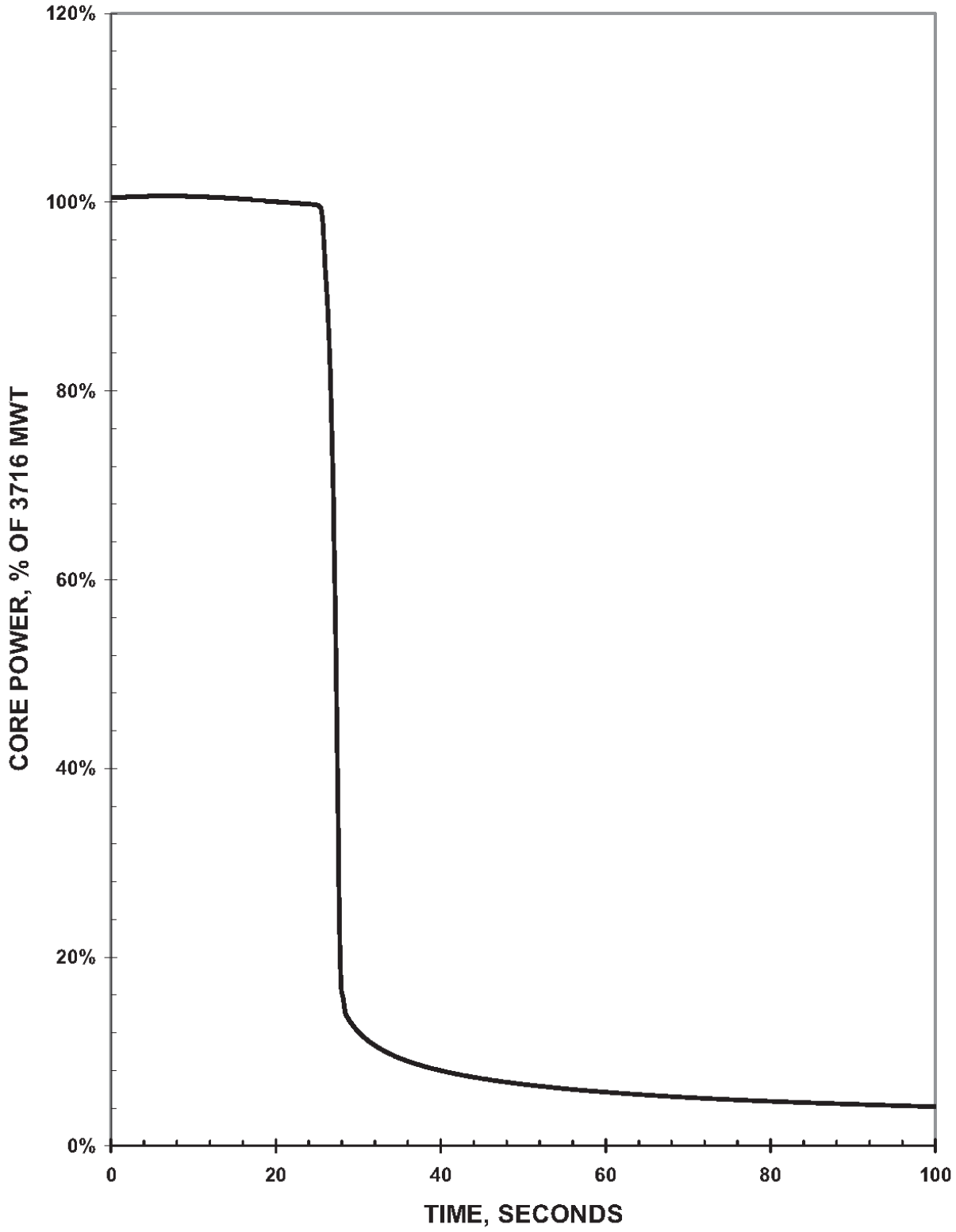
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Safety Valve Flow Rate Per Steam Generator vs. Time	Figure 15.2-36



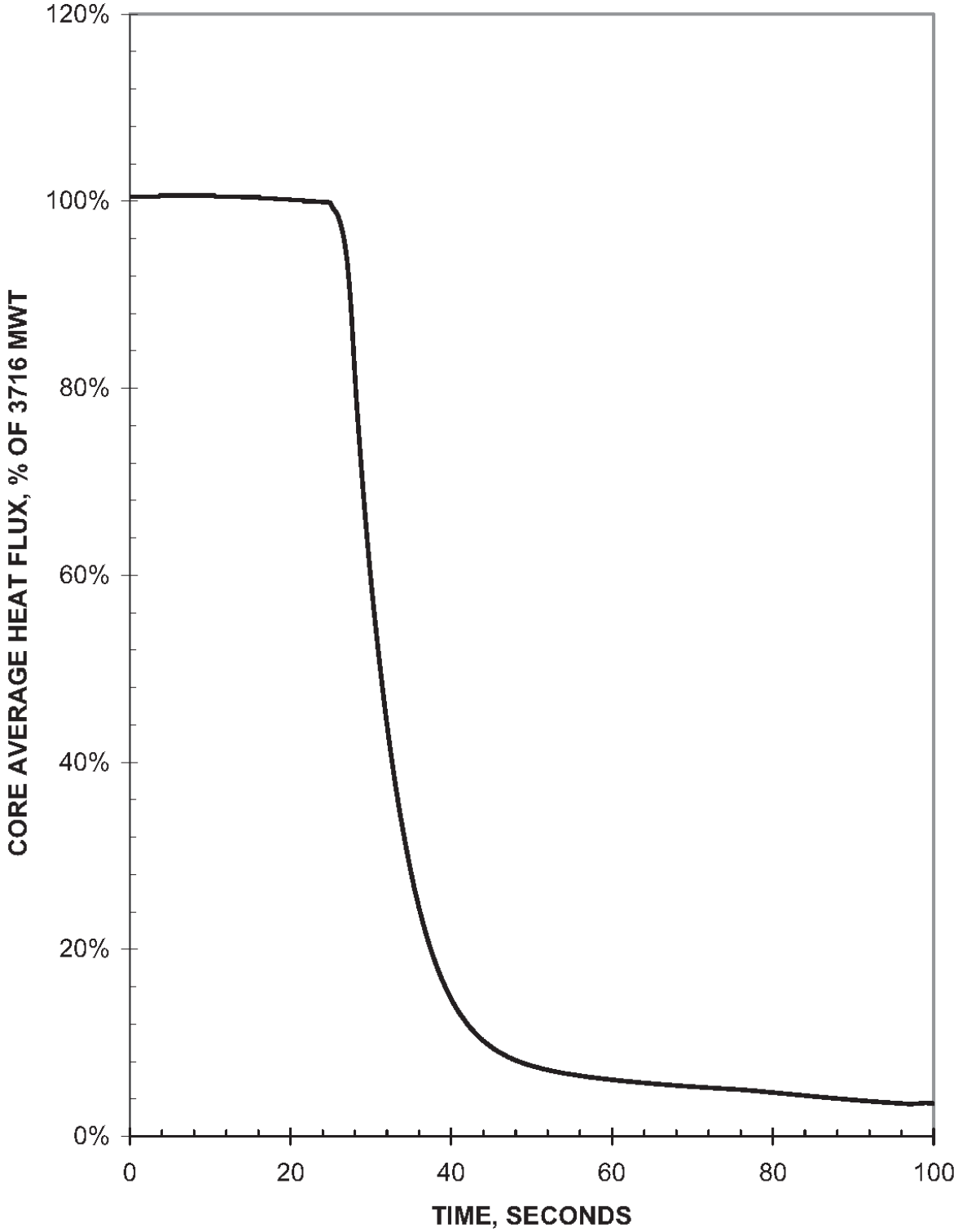
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow Minimum DNBR vs. Time	Figure 15.2-36a



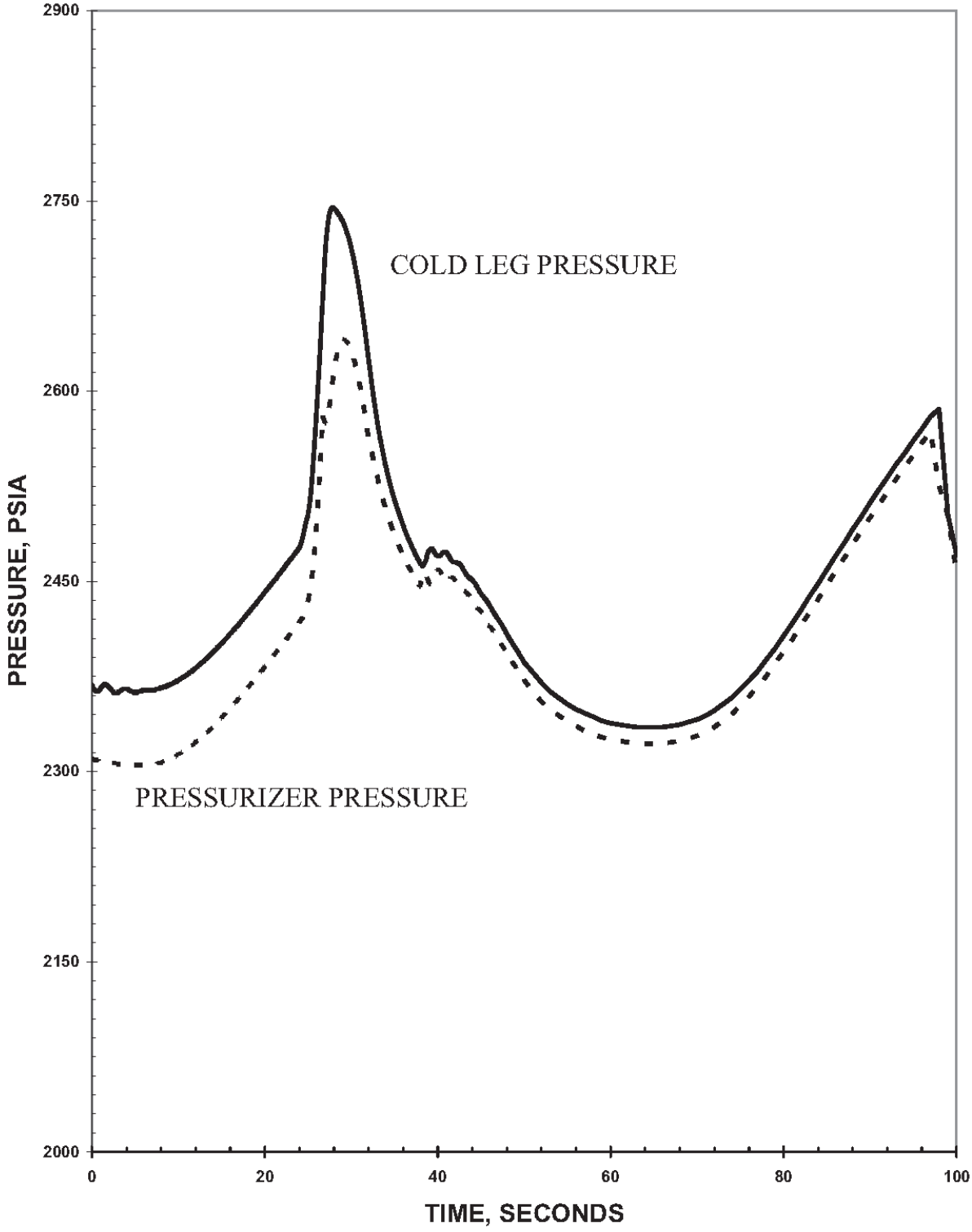
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Core Power vs. Time	Figure 15.2-37



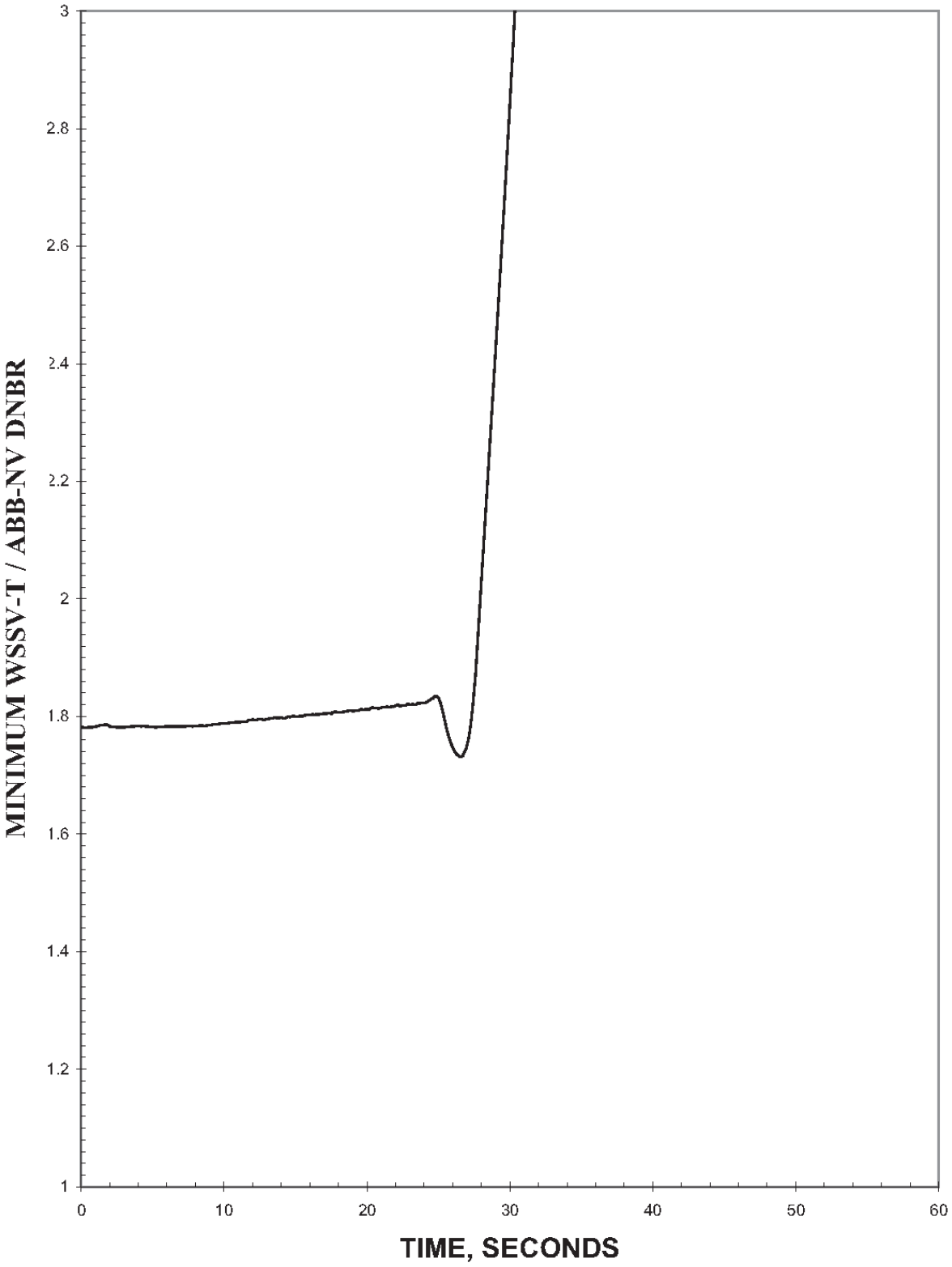
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Core Heat Flux vs. Time	Figure 15.2-38



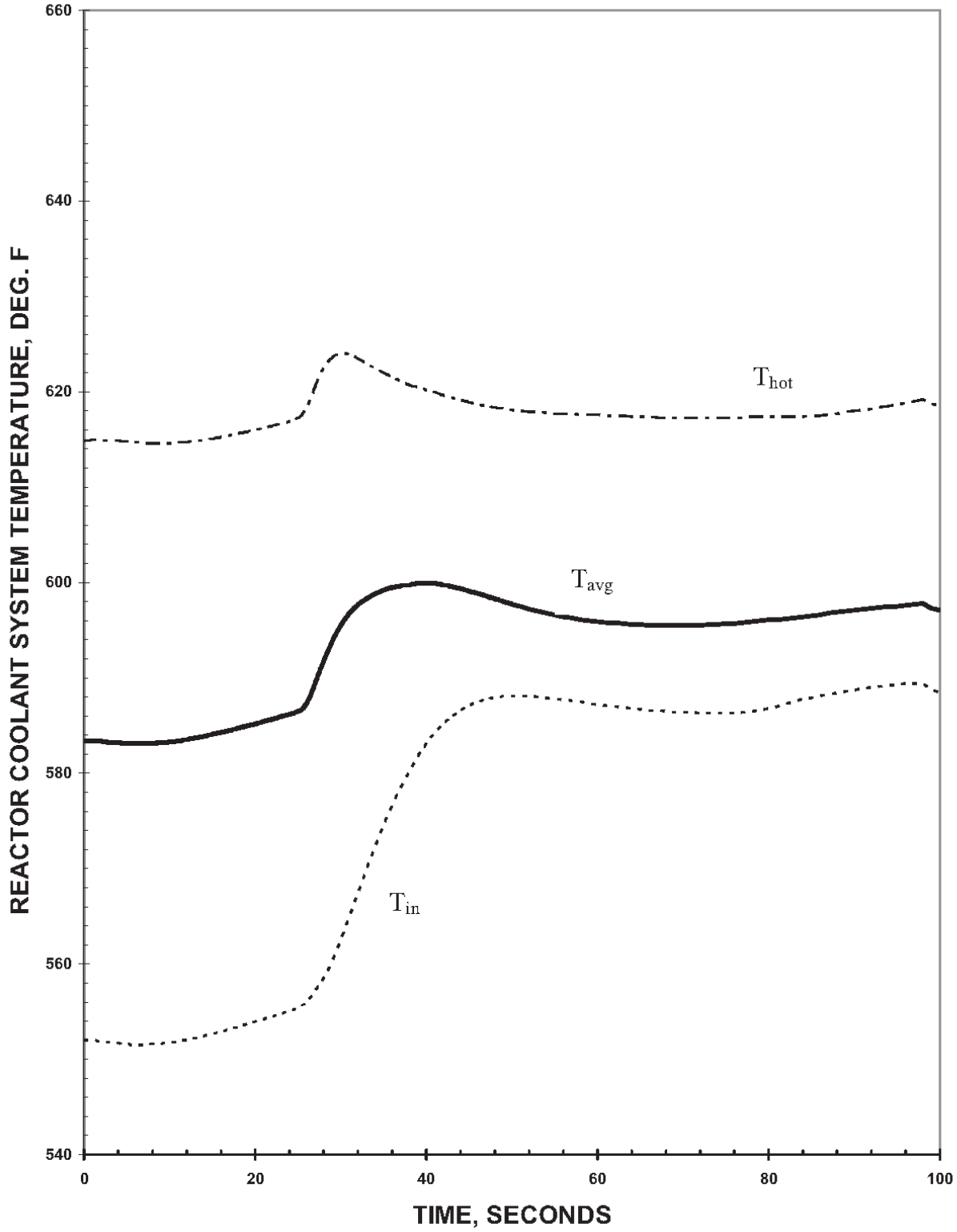
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) RCS Pressure vs. Time	Figure 15.2-39



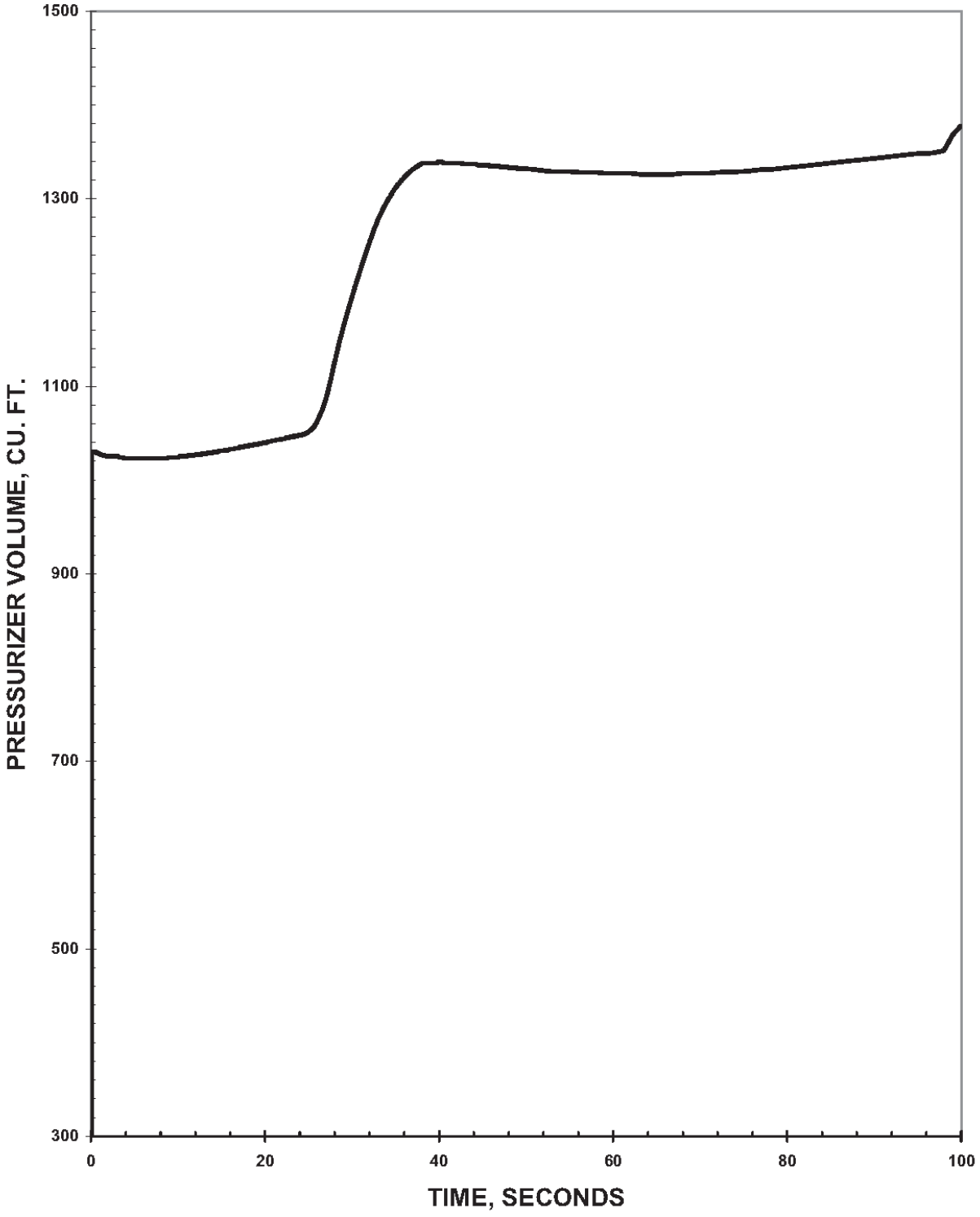
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Minimum DNBR vs. Time	Figure 15.2-40



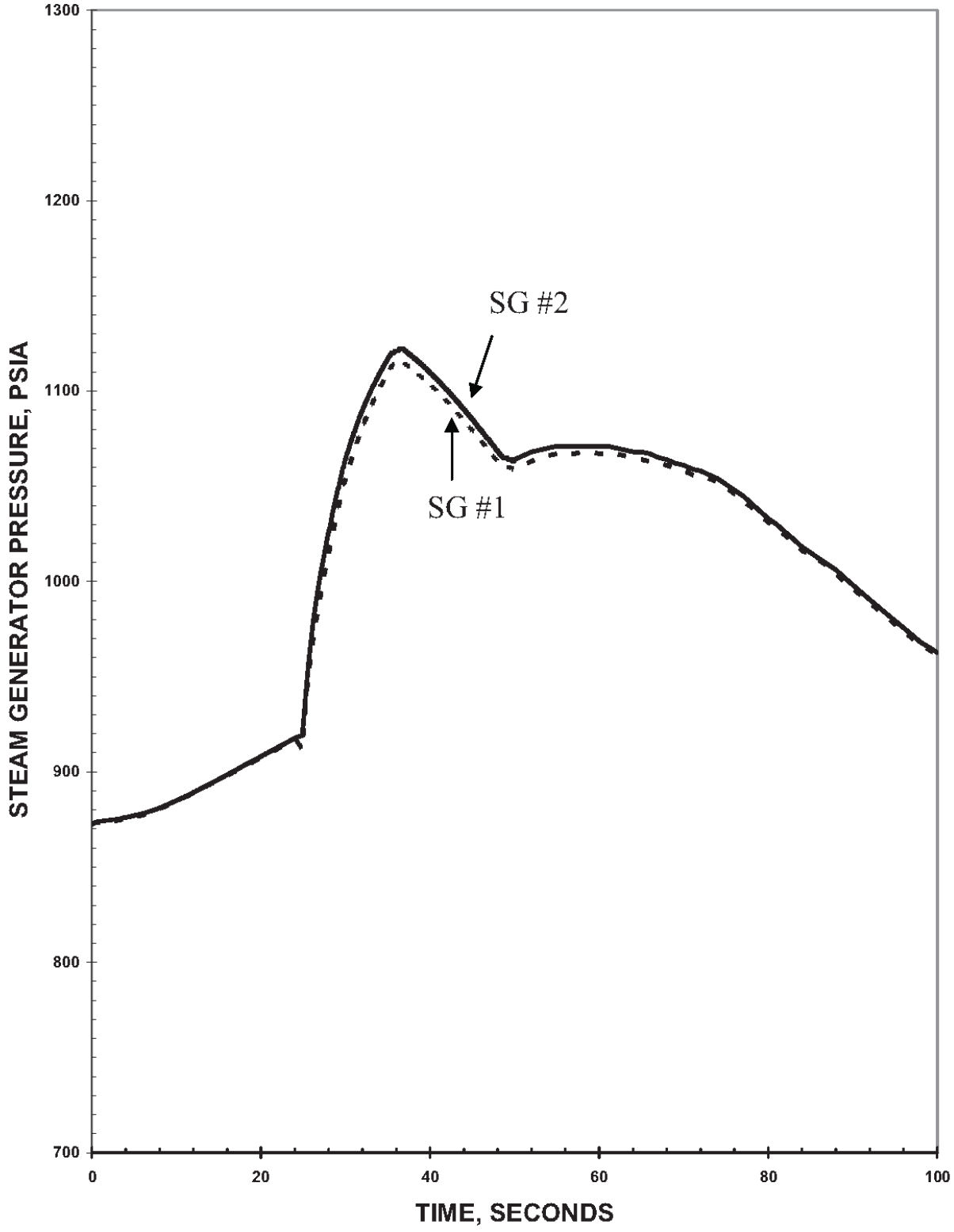
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) RCS Temperature vs. Time	Figure 15.2-41



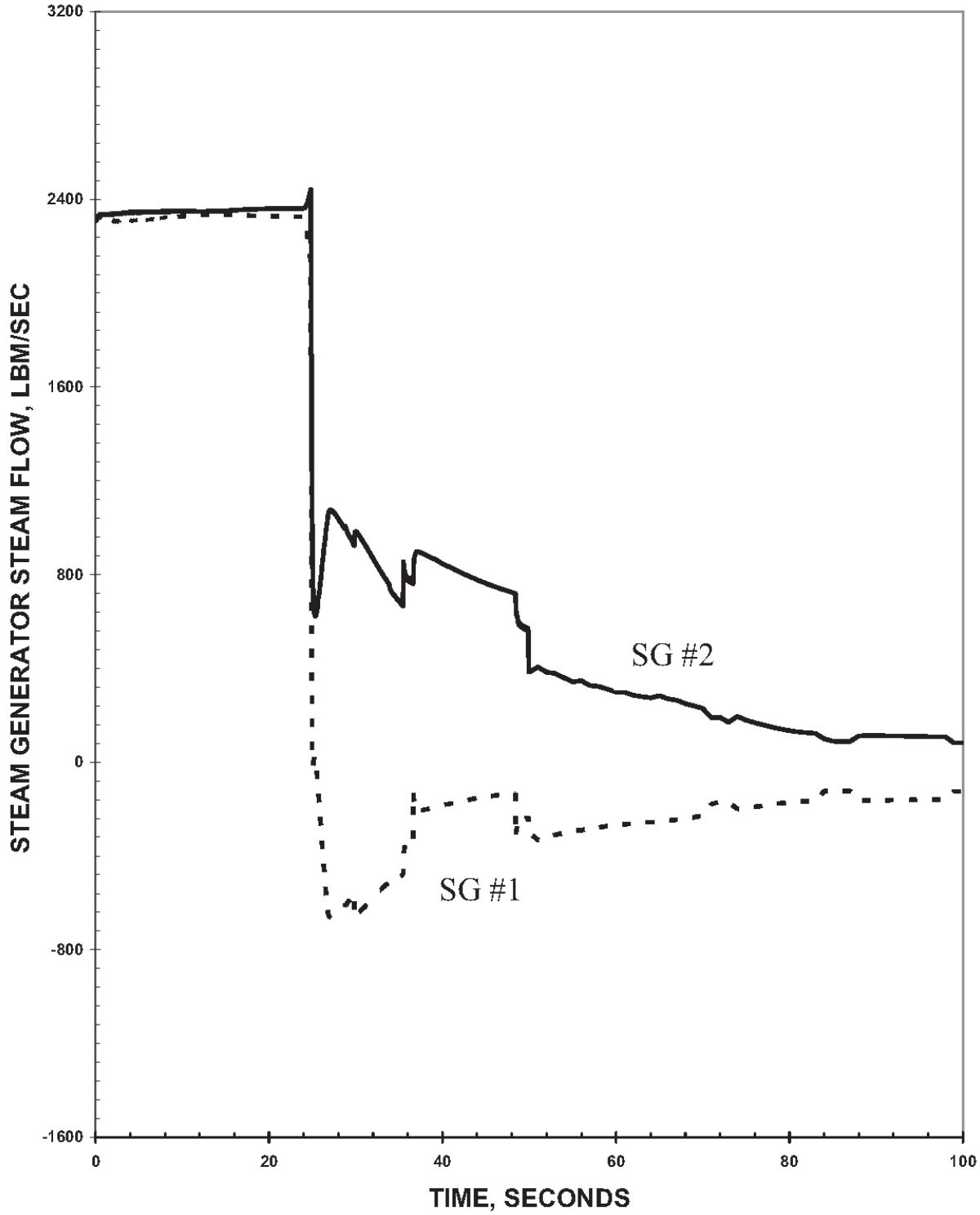
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Pressurizer Water Volume vs. Time	Figure 15.2-42



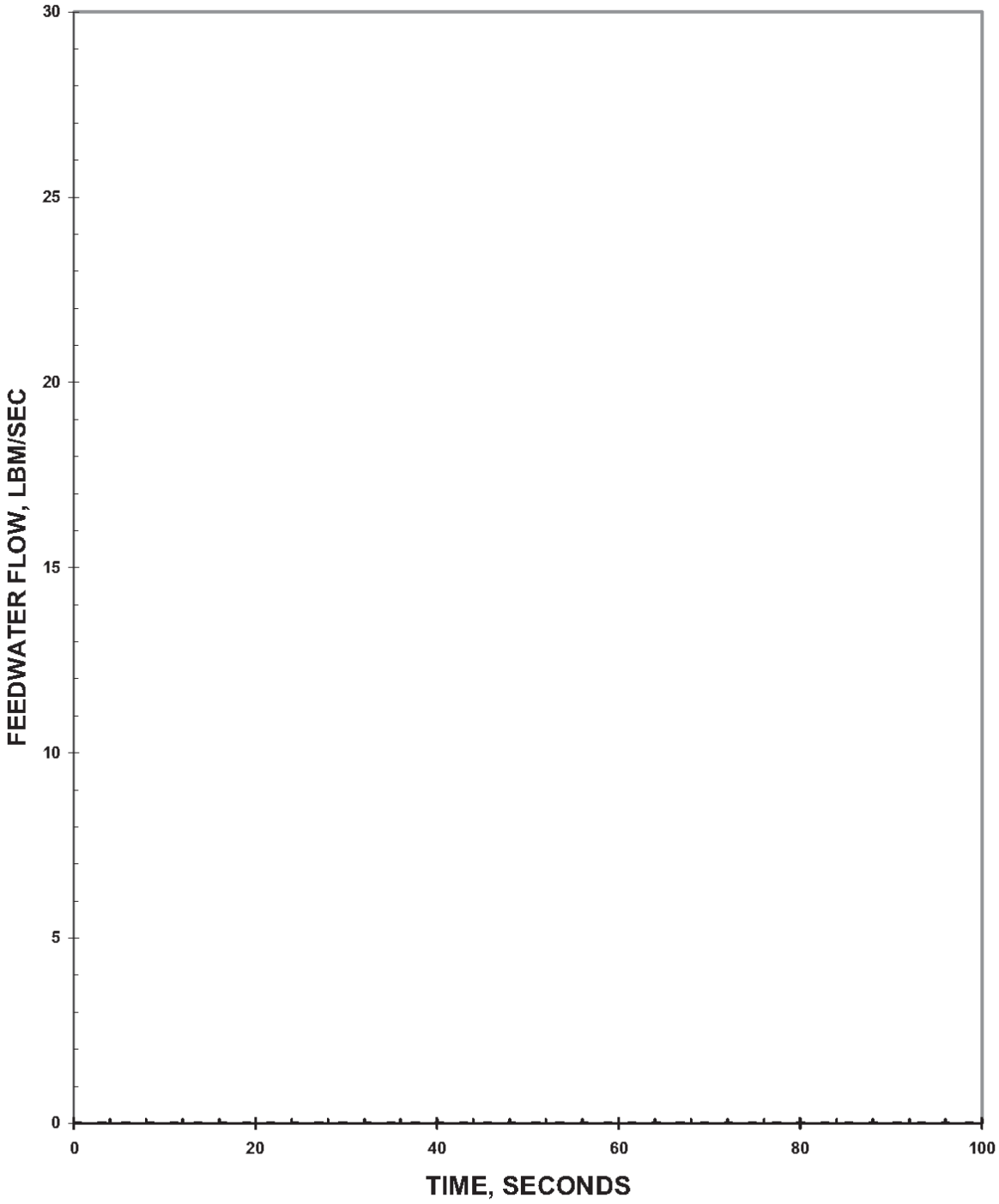
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) SG Pressure vs. Time	Figure 15.2-43



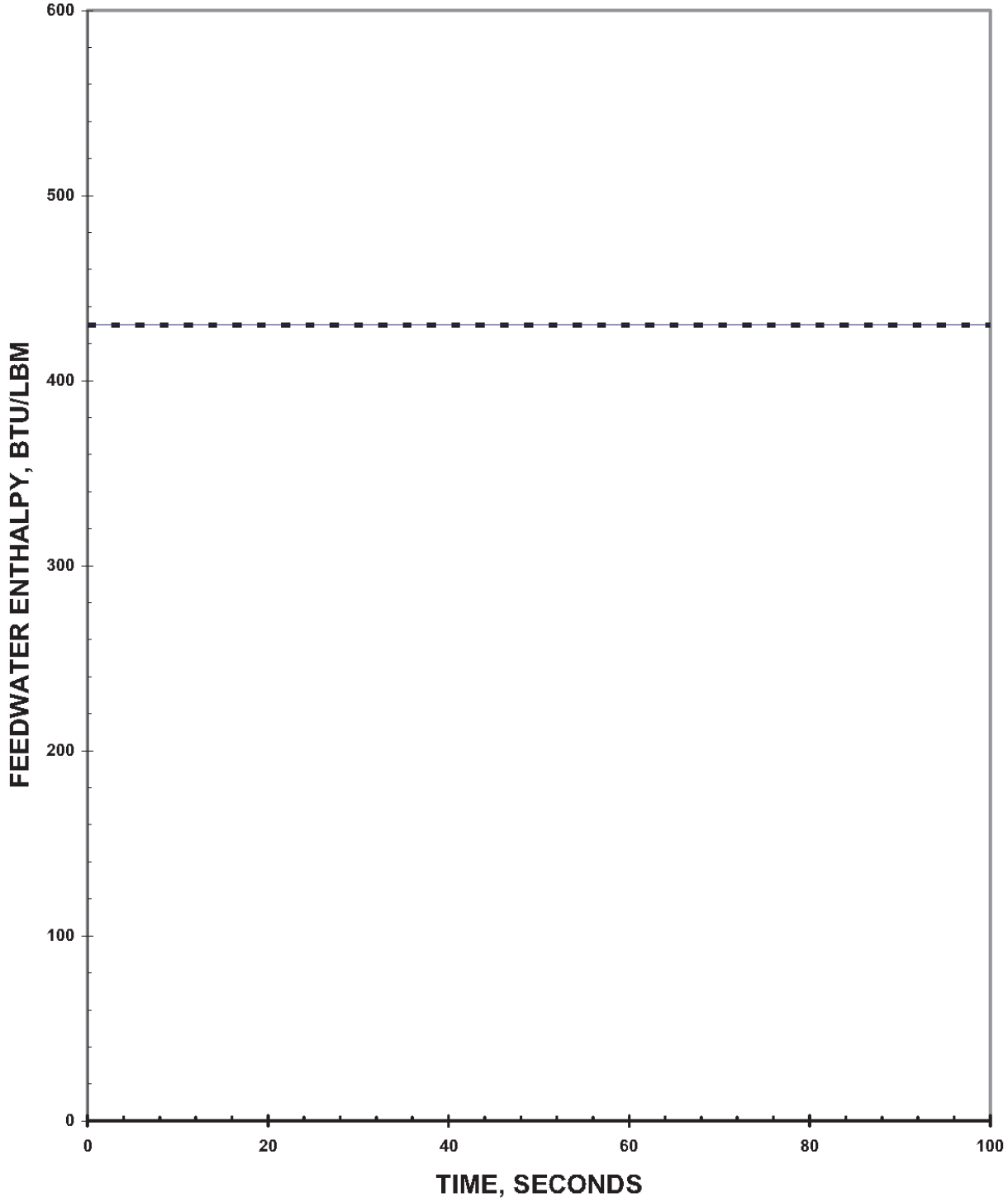
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Steam Flowrate vs. Time	Figure 15.2-44



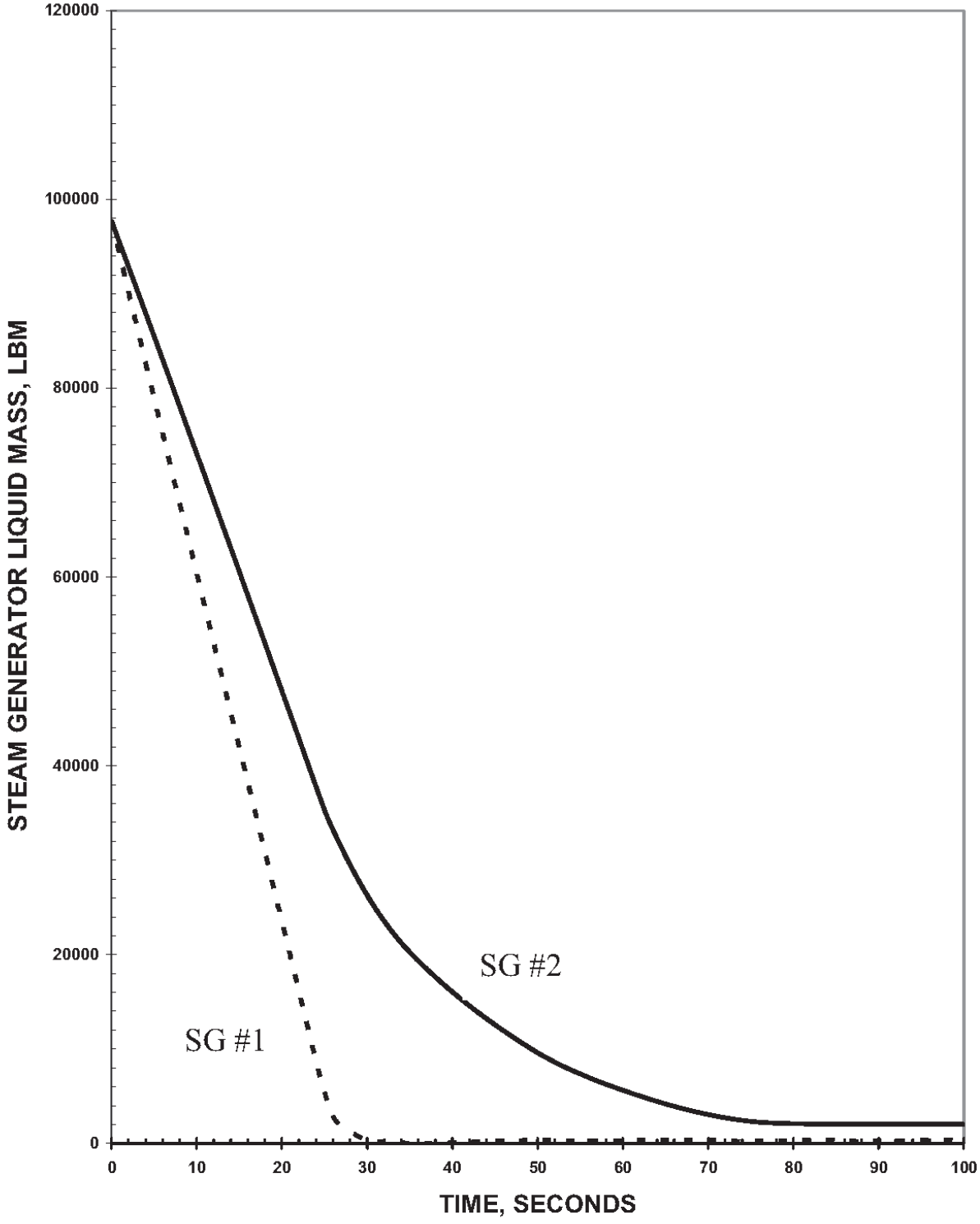
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Feedwater Flow (Intact Side) vs. Time	Figure 15.2-45



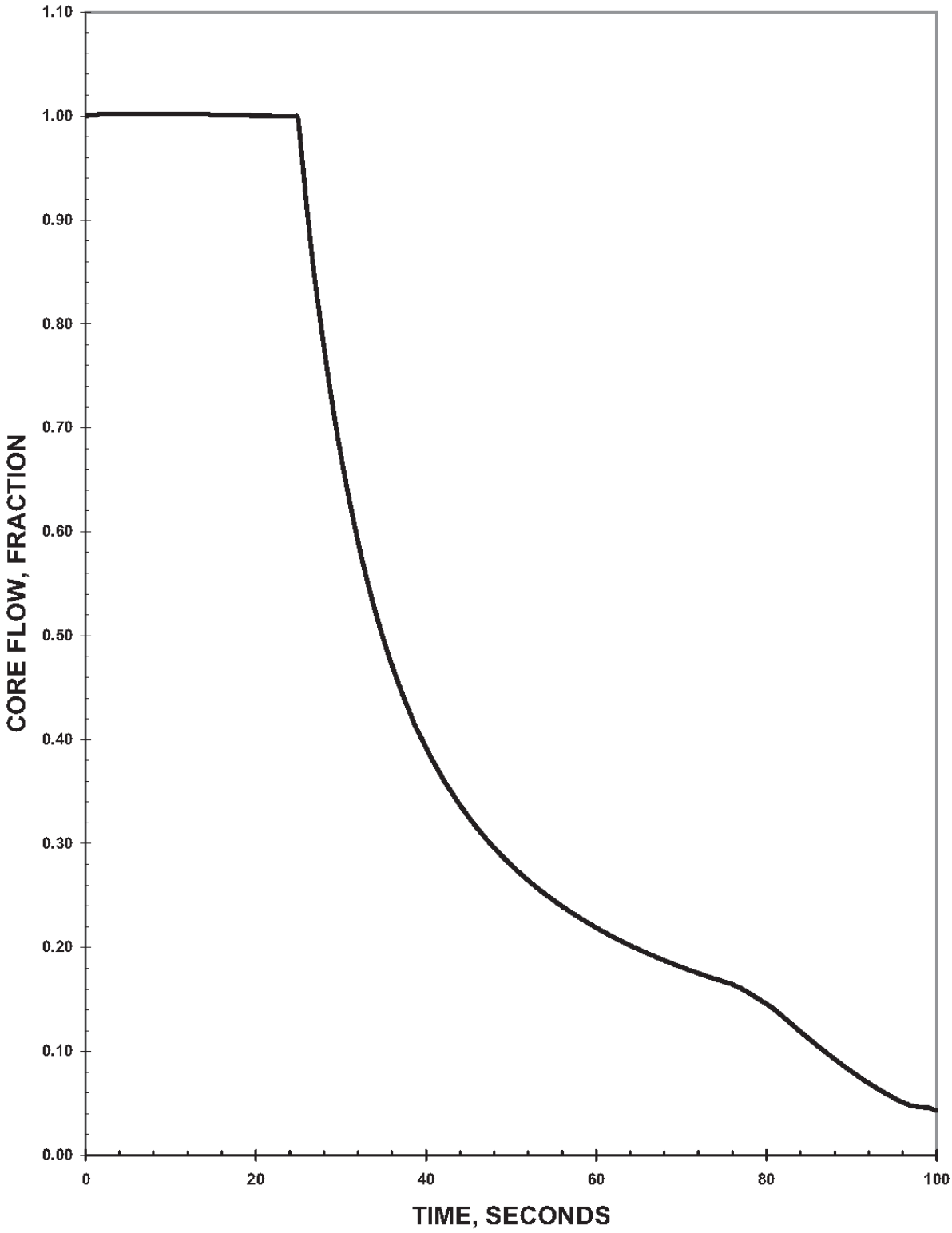
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Feedwater Enthalpy (Intact Side) vs. Time	Figure 15.2-46



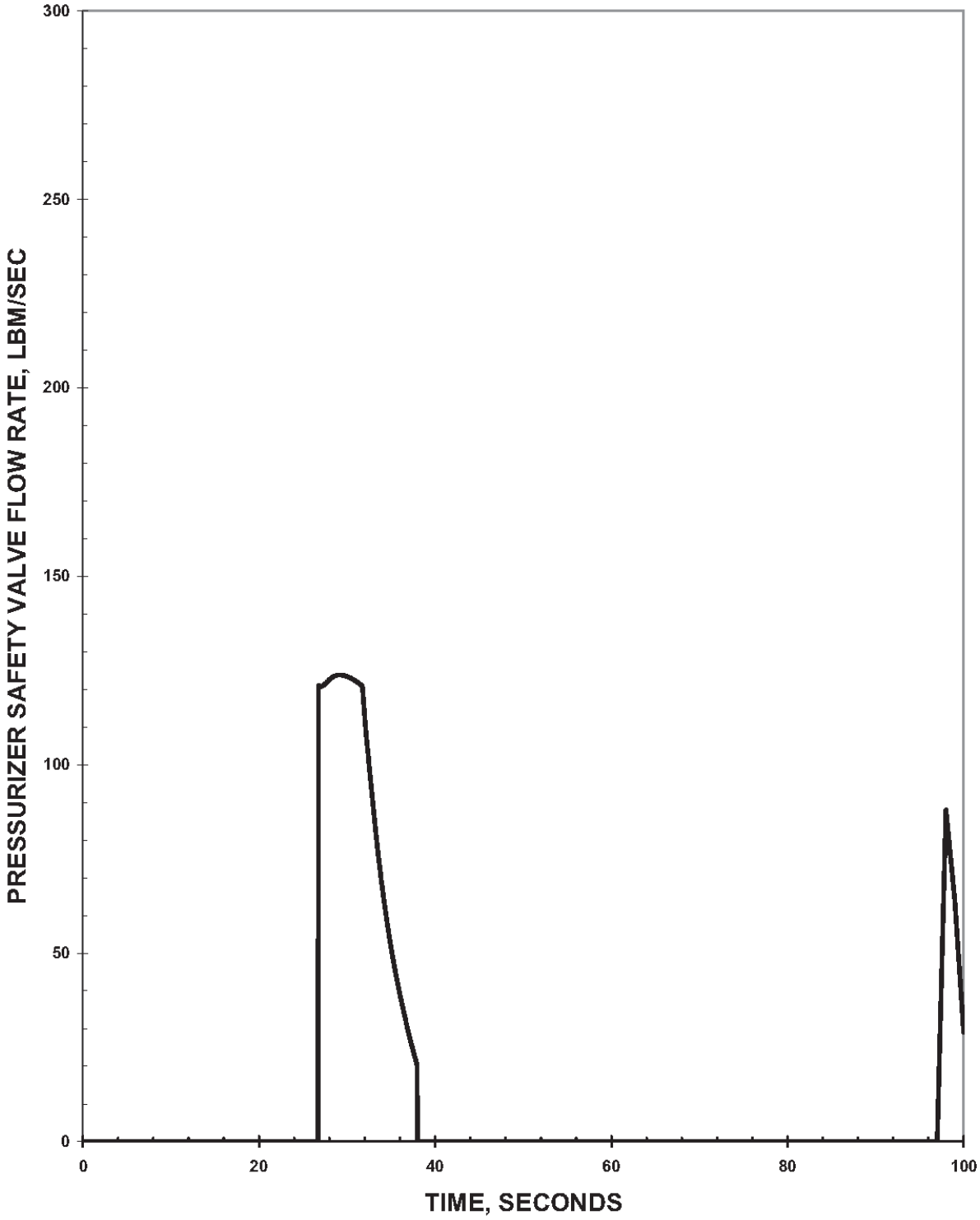
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) SG Liquid Mass vs. Time	Figure 15.2-47



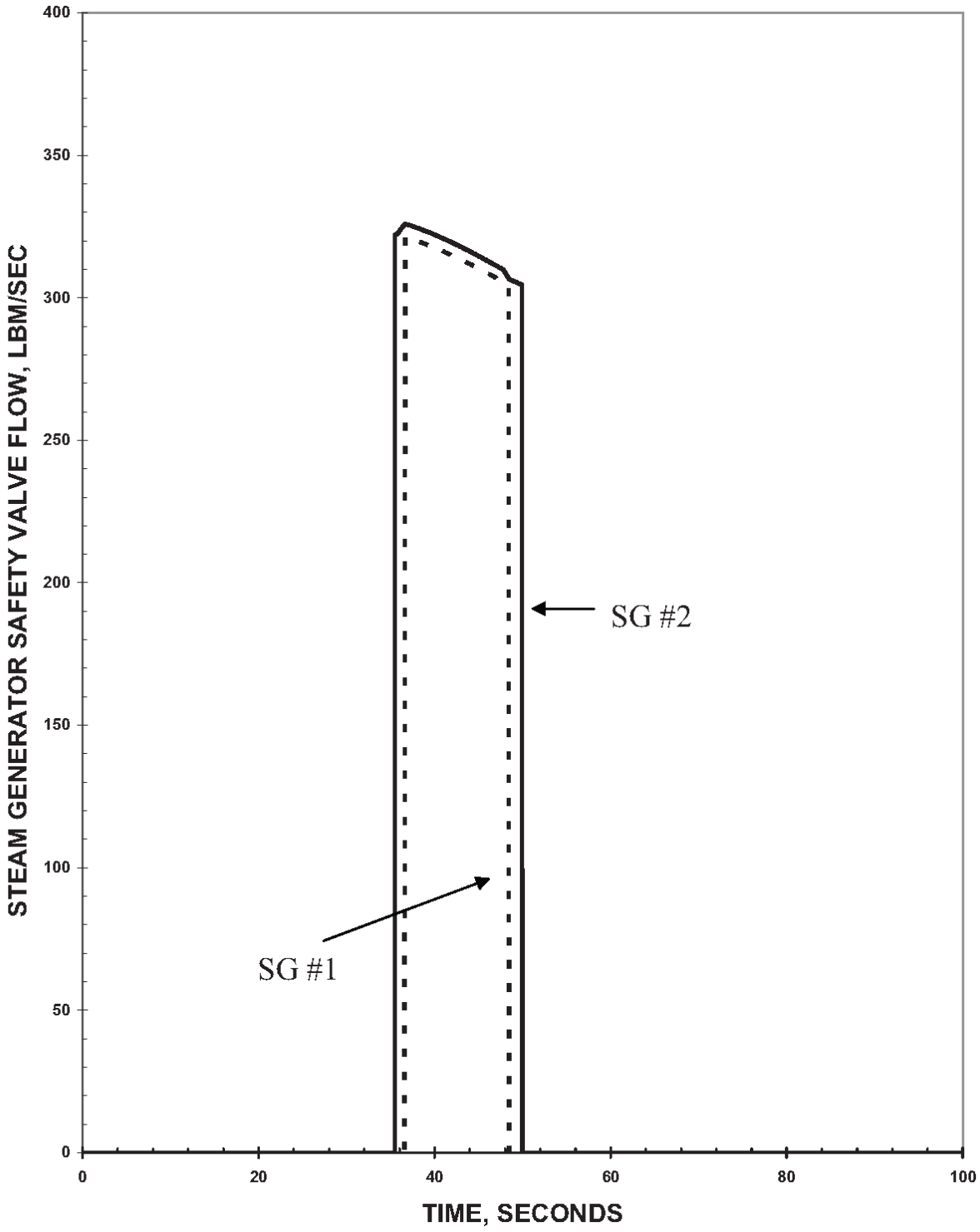
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Core Flow (Fraction) vs. Time	Figure 15.2-48



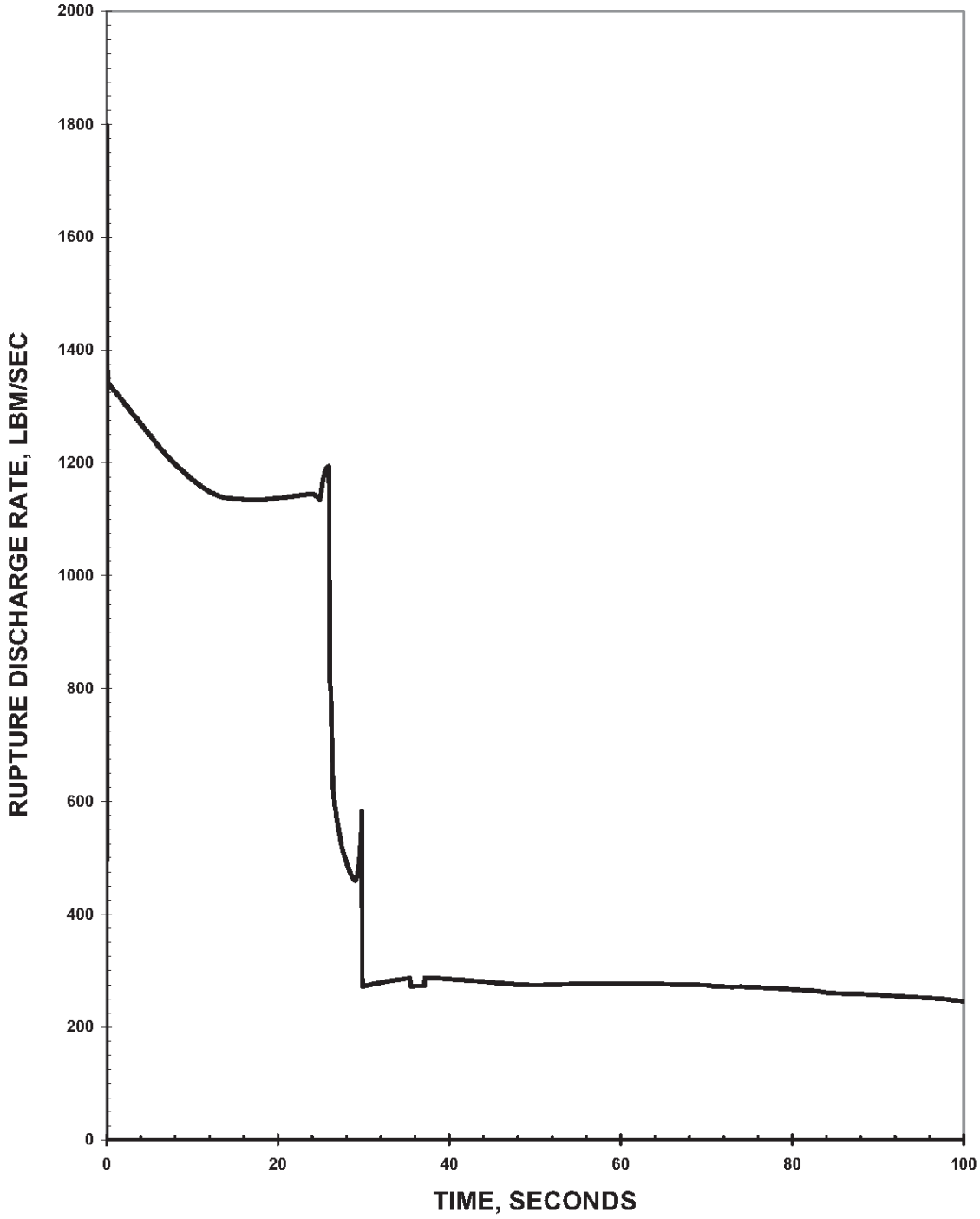
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Pressurizer Safety Valve Flowrate vs. Time	Figure 15.2-49



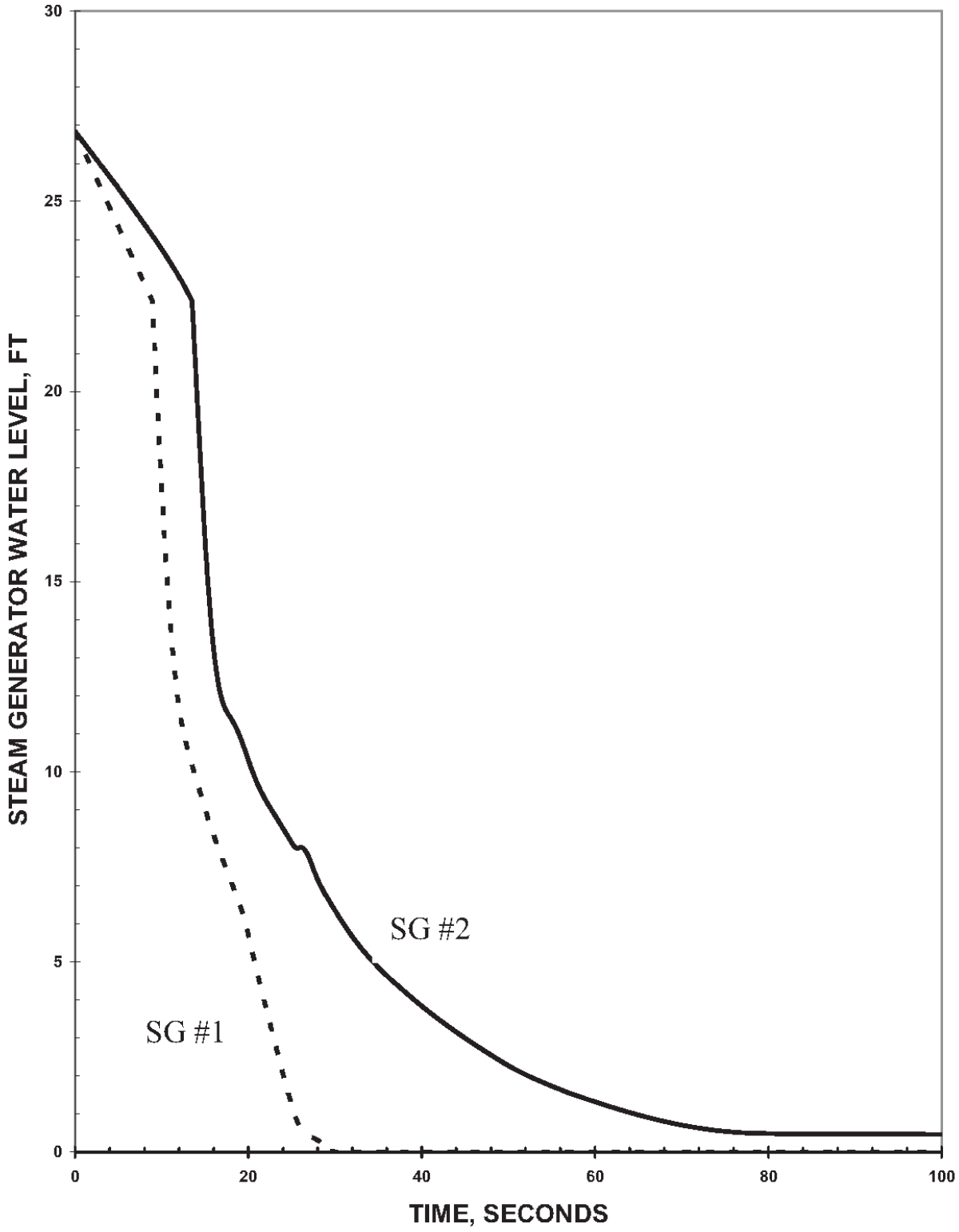
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Secondary Safety Valve Flowrate vs. Time	Figure 15.2-50



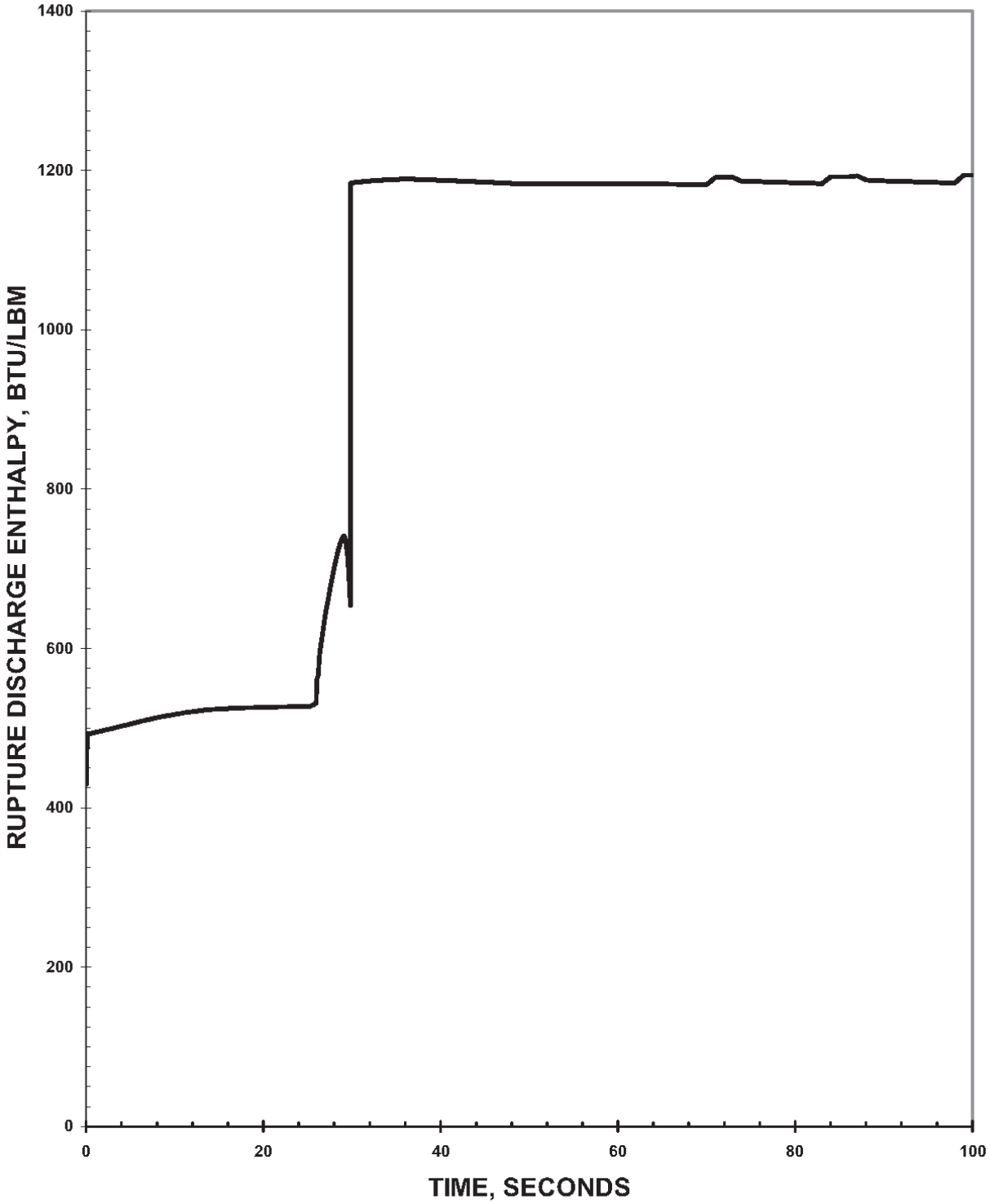
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Rupture Discharge Flowrate vs. Time	Figure 15.2-51



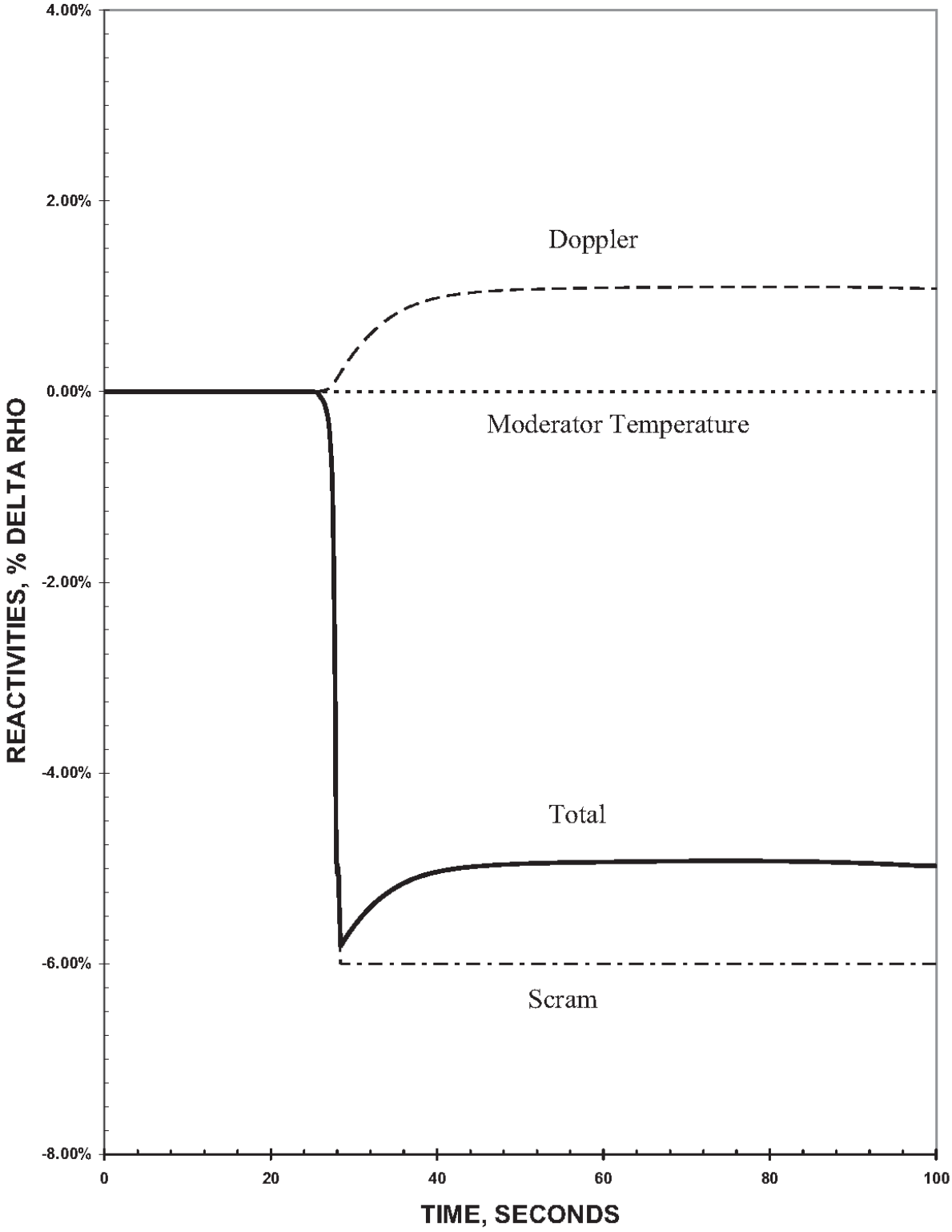
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) SG Water Level vs. Time	Figure 15.2-52



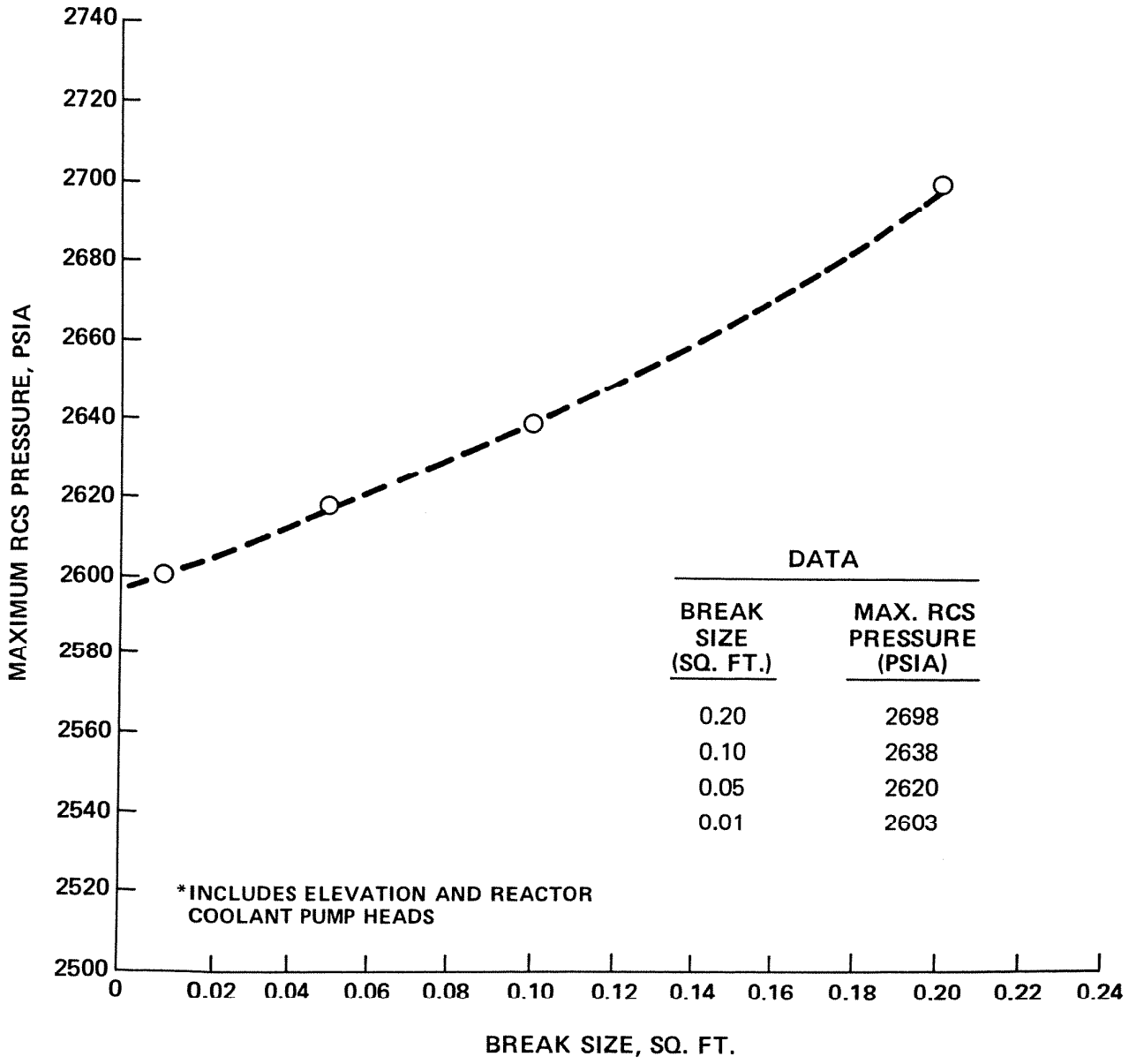
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Rupture Discharge Enthalphy vs. Time	Figure 15.2-52a



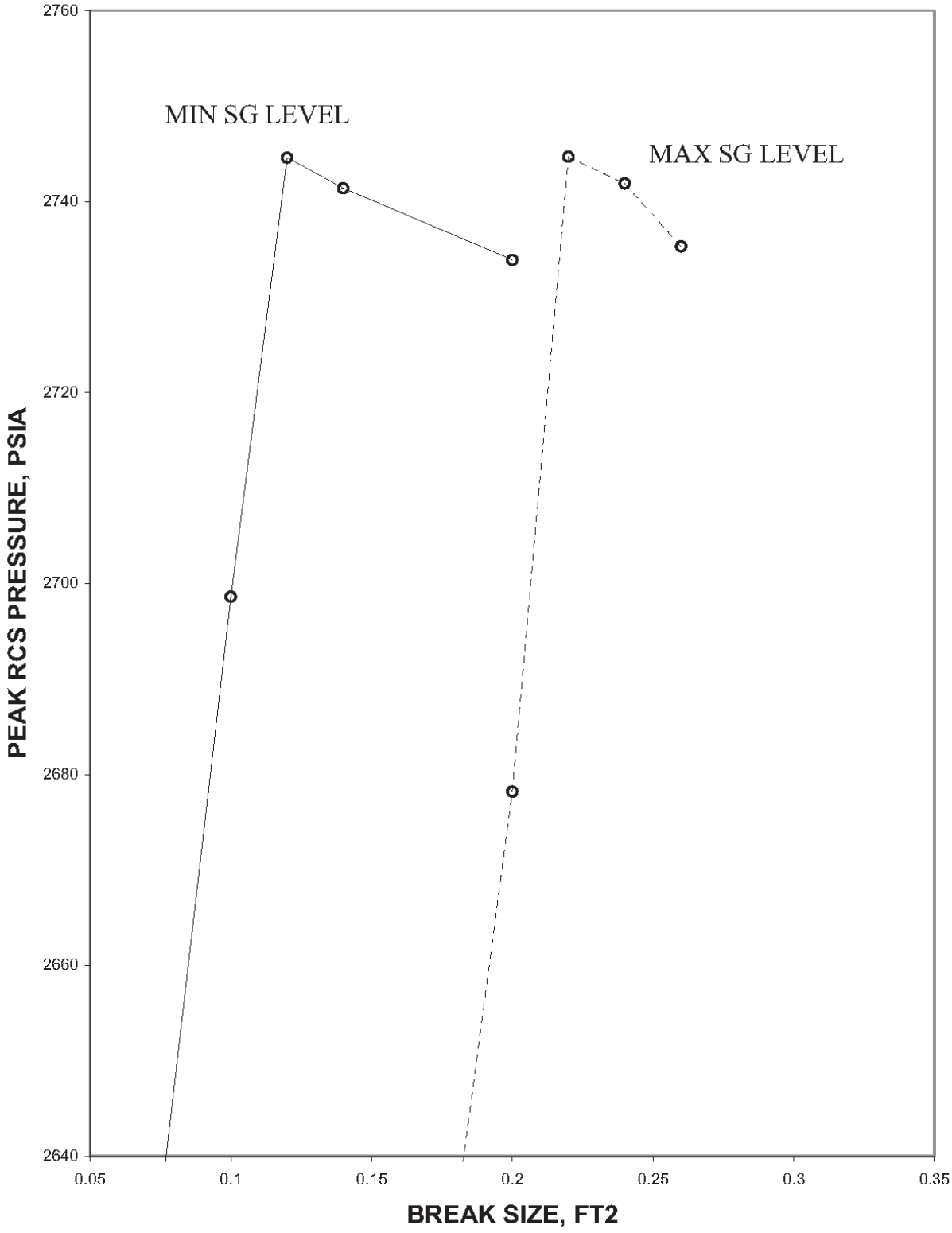
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Reactivity vs. Time	Figure 15.2-53



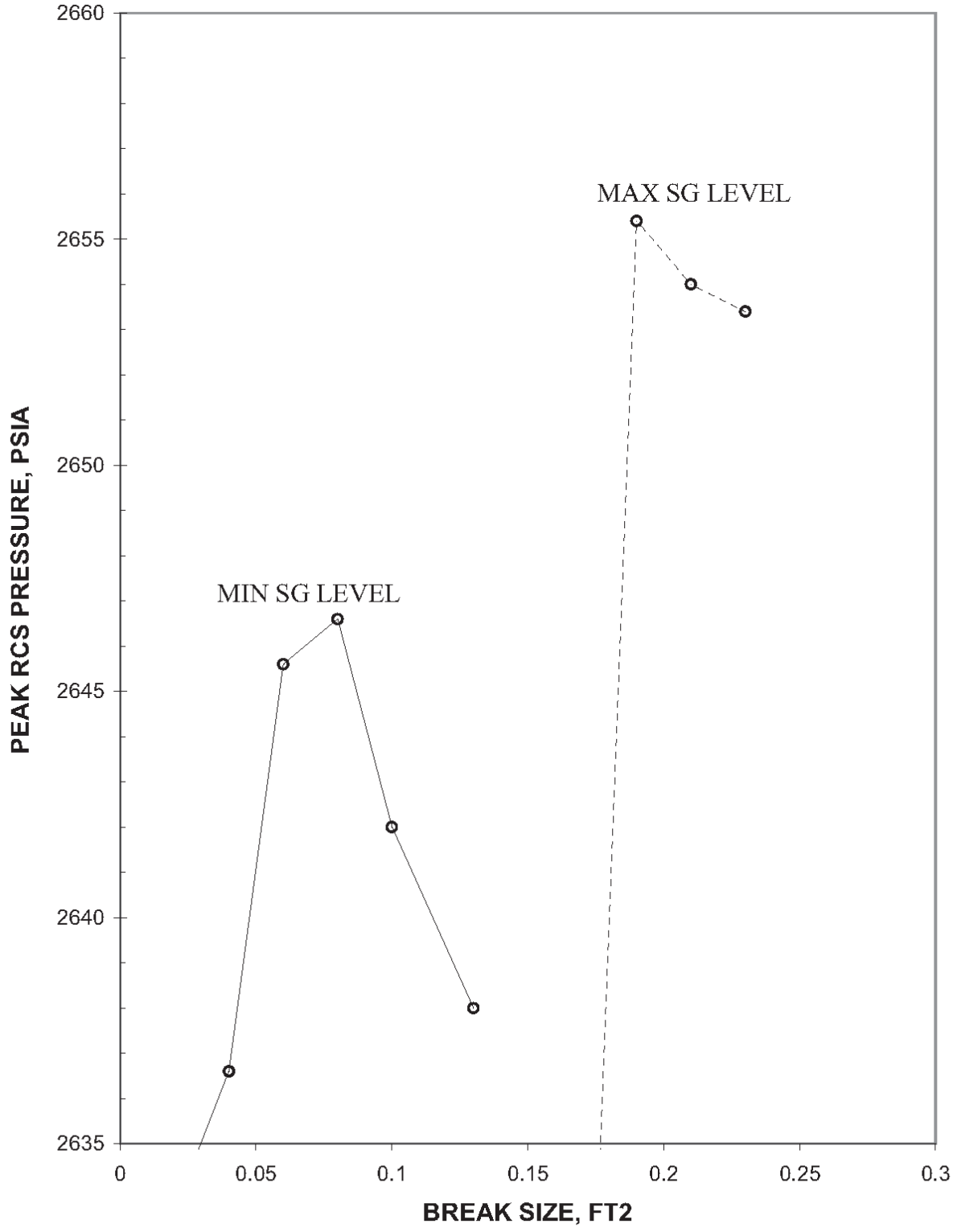
Revision 12-B (04/03)

Waterford Steam Electric Station #3	**Small Feedwater System Pipe Break Maximum RCS Pressure* vs. Break Size**	**Figure 15.2-53a**



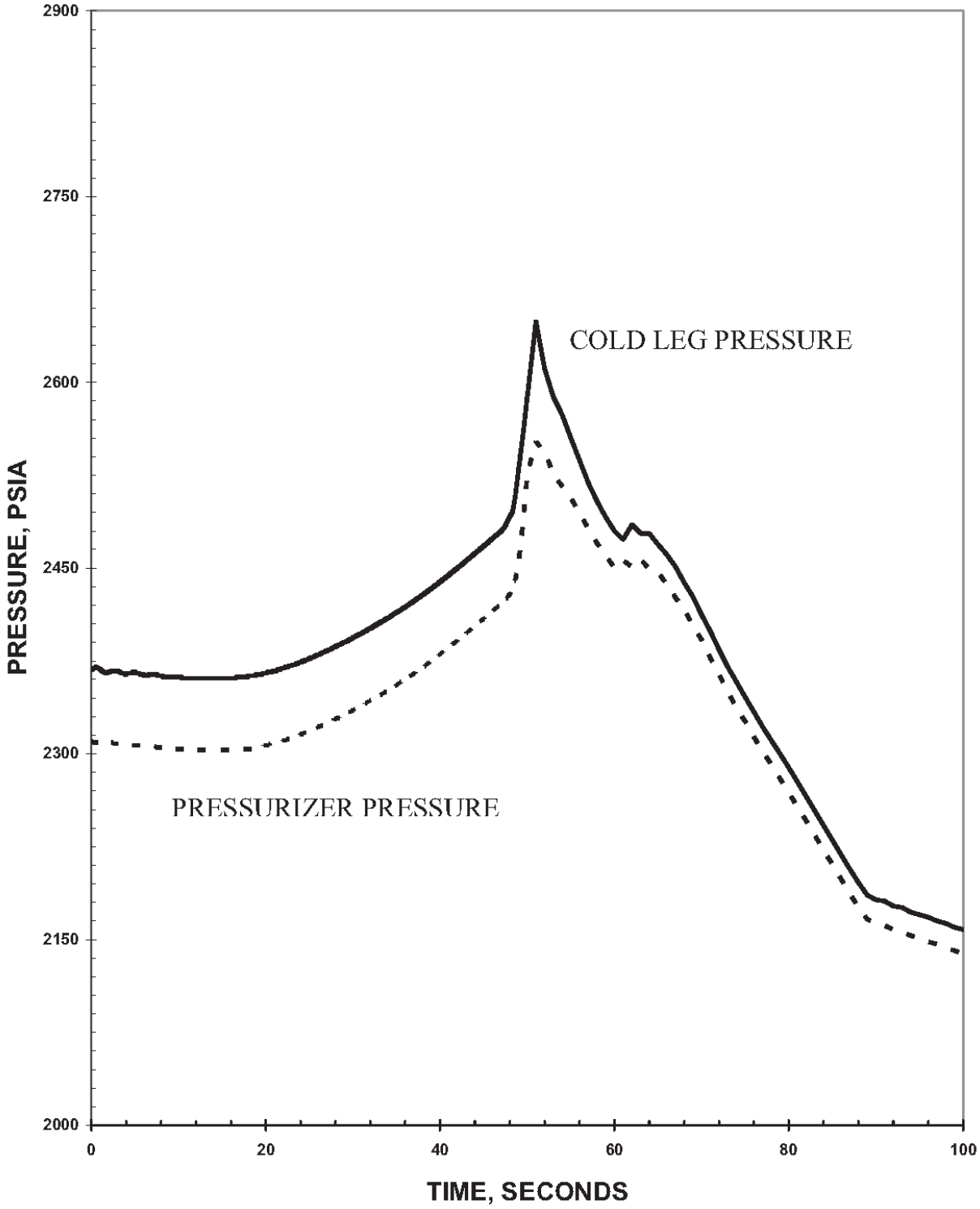
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Large) Maximum RCS Pressure vs. Break Size	Figure 15.2-53a.1



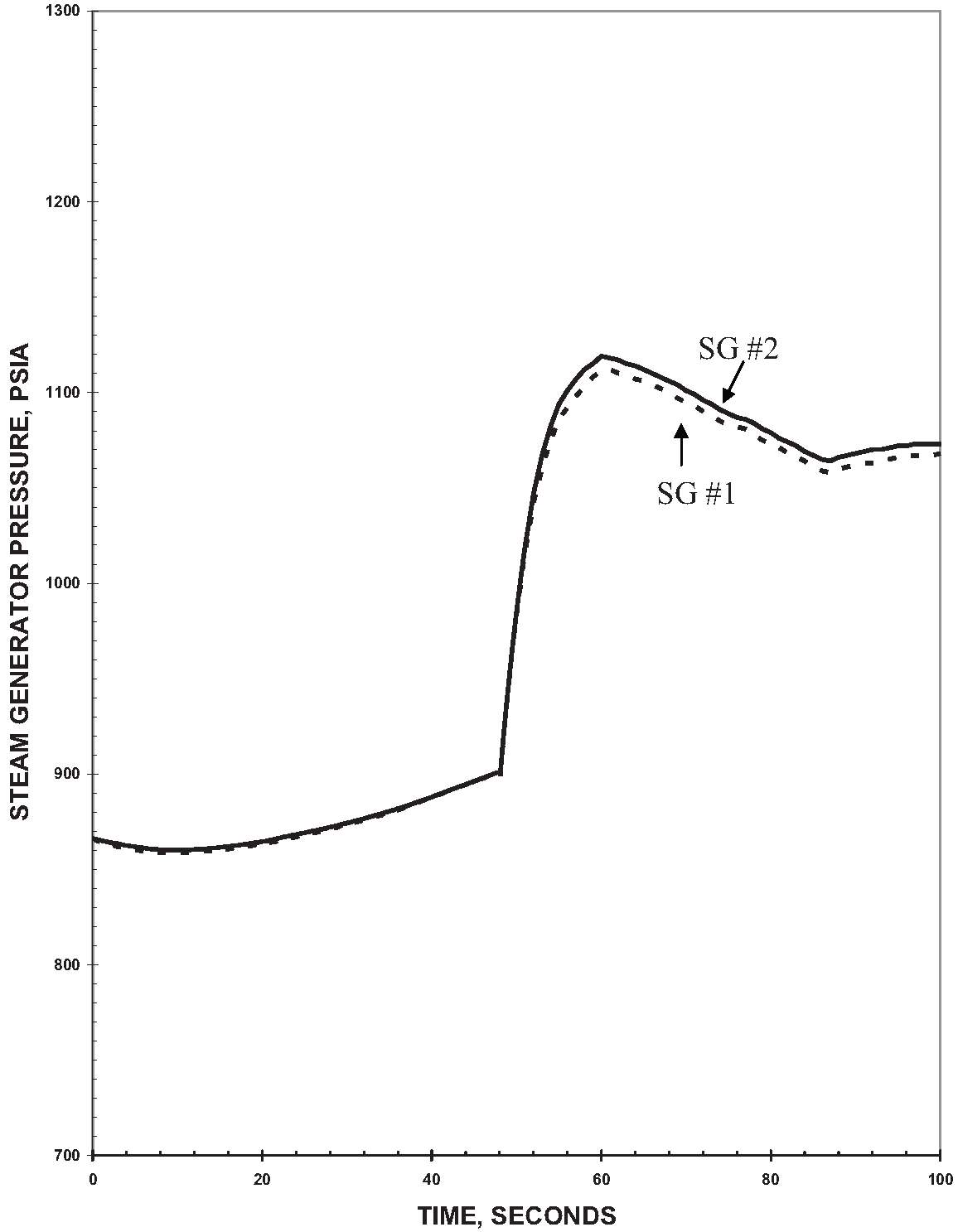
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) RCS Pressure vs. Break Size	Figure 15.2-53a.2



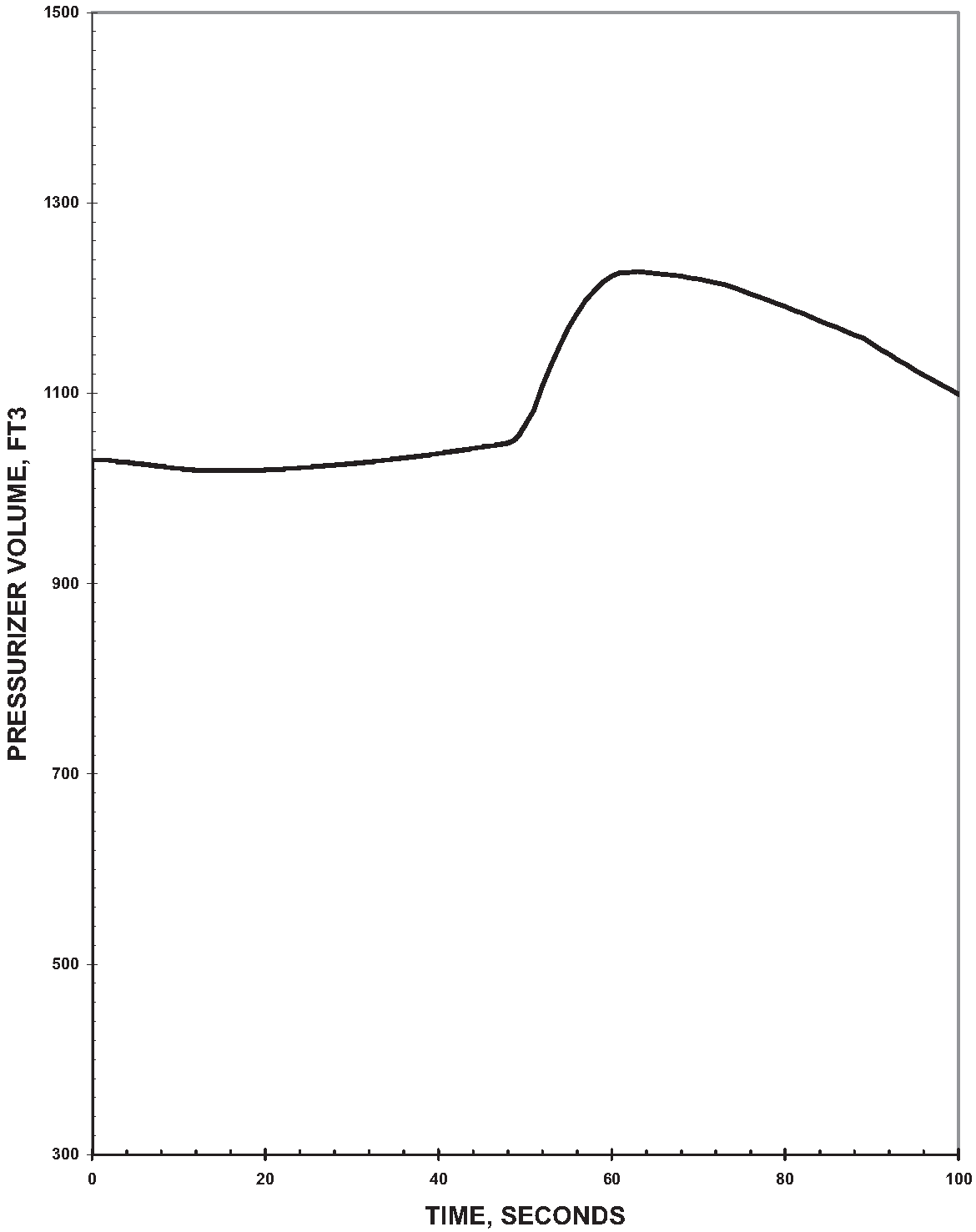
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) RCS Pressure vs. Time	Figure 15.2-53b



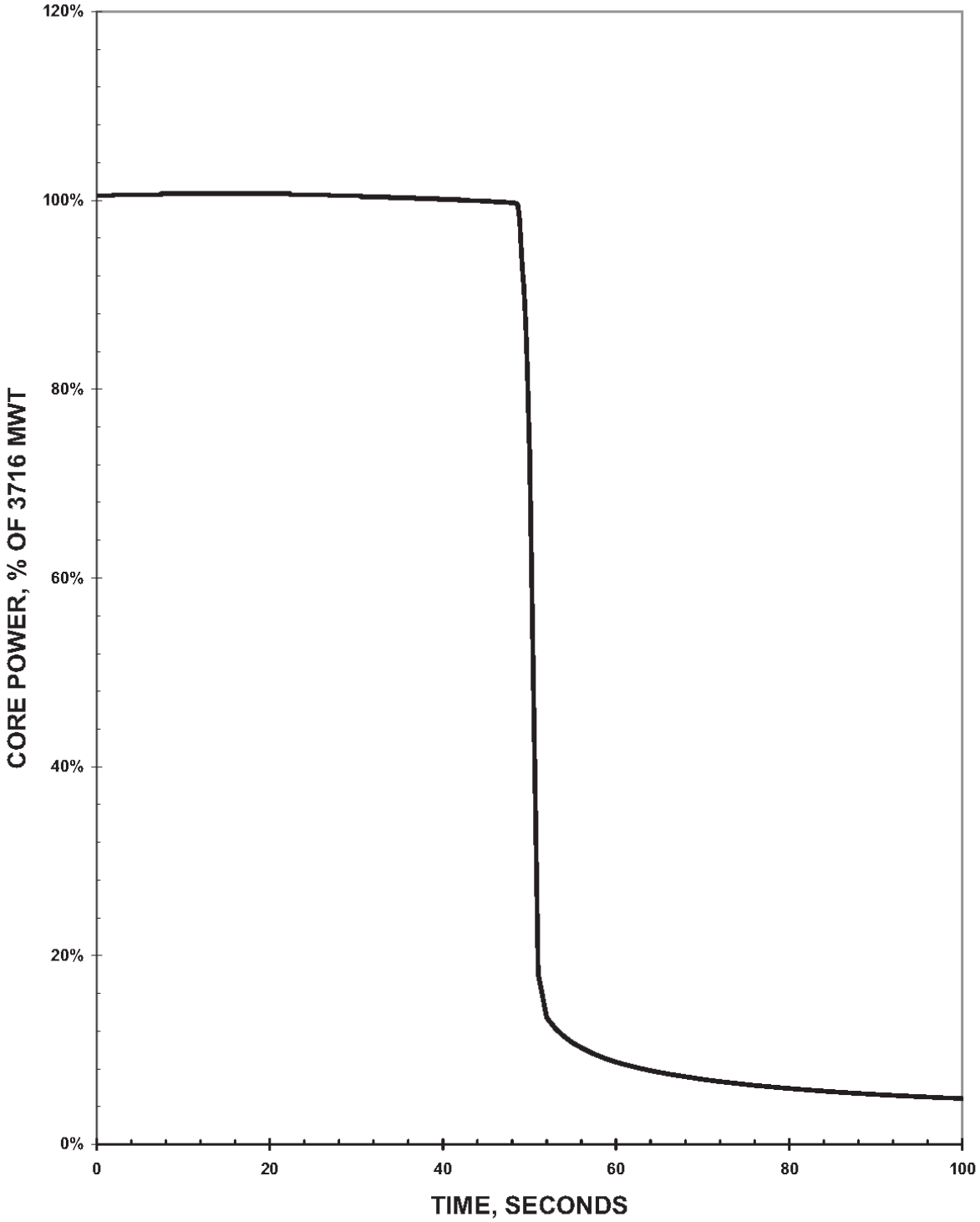
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) SG Pressure vs. Time	Figure 15.2-53c



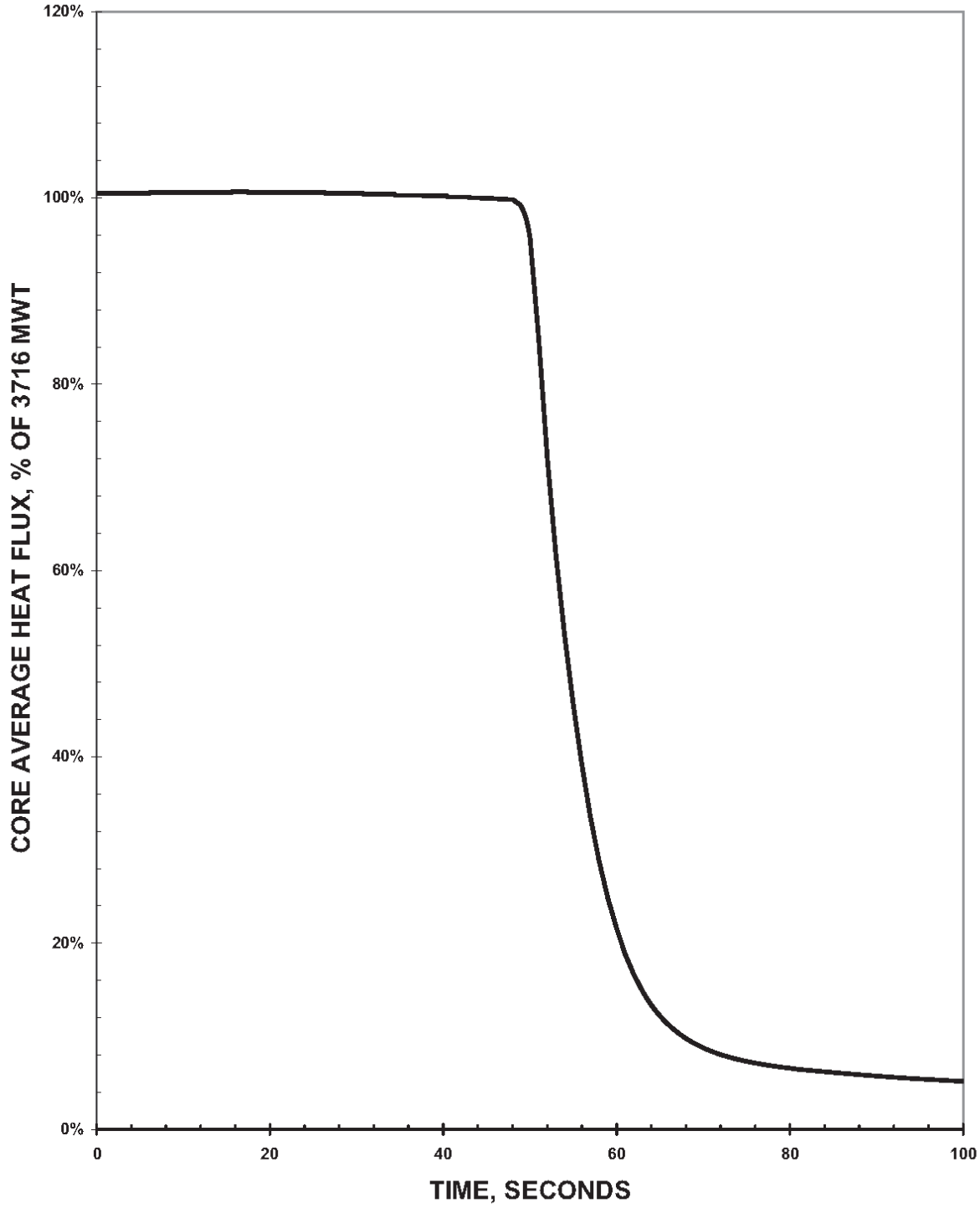
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Pressurizer Water Volume vs. Time	Figure 15.2-53d



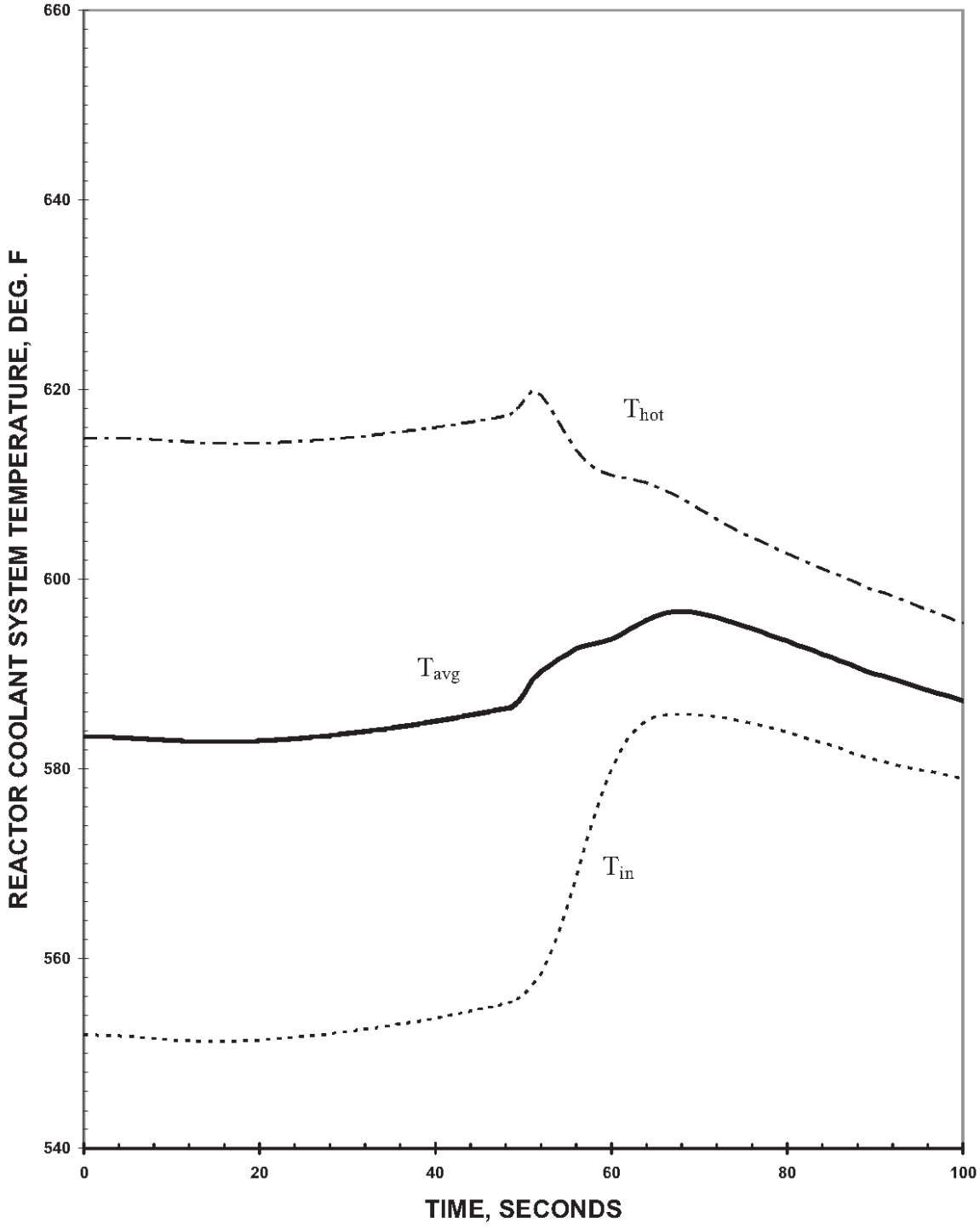
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Core Power vs. Time	Figure 15.2-53e



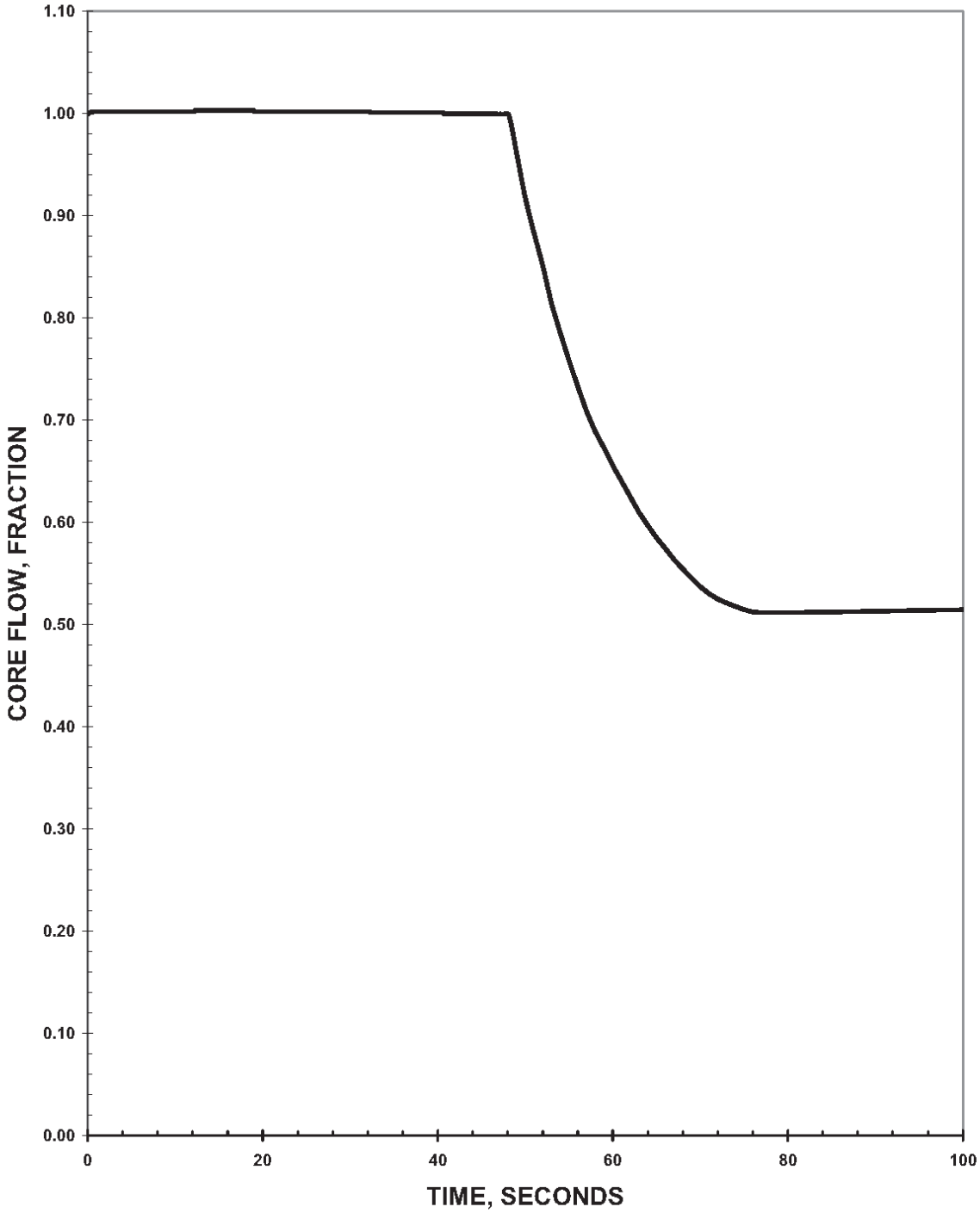
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Core Heat Flux vs. Time	Figure 15.2-53f



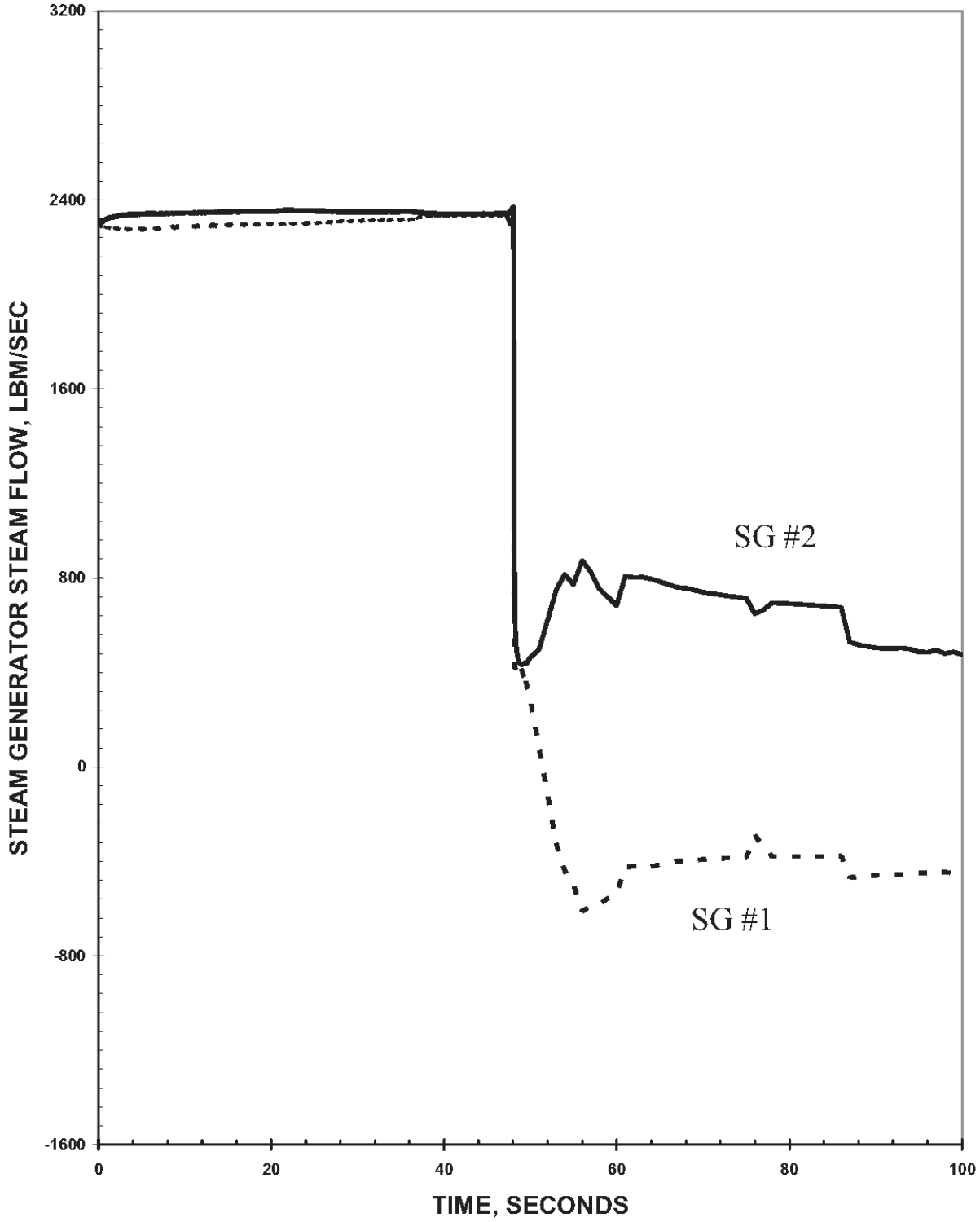
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) RCS Temperature vs. Time	Figure 15.2-53g



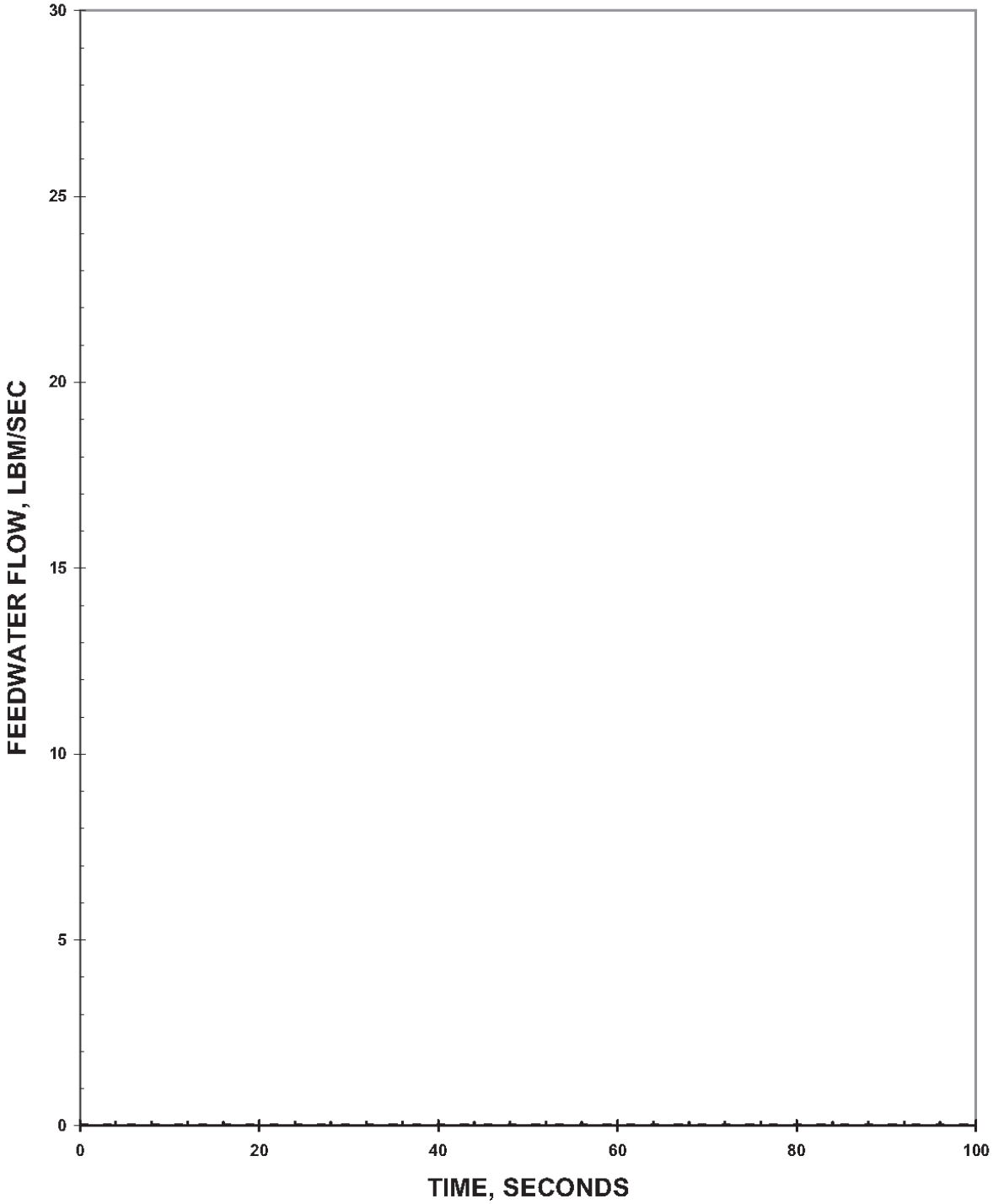
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Core Flow (Fraction) vs. Time	Figure 15.2-53h



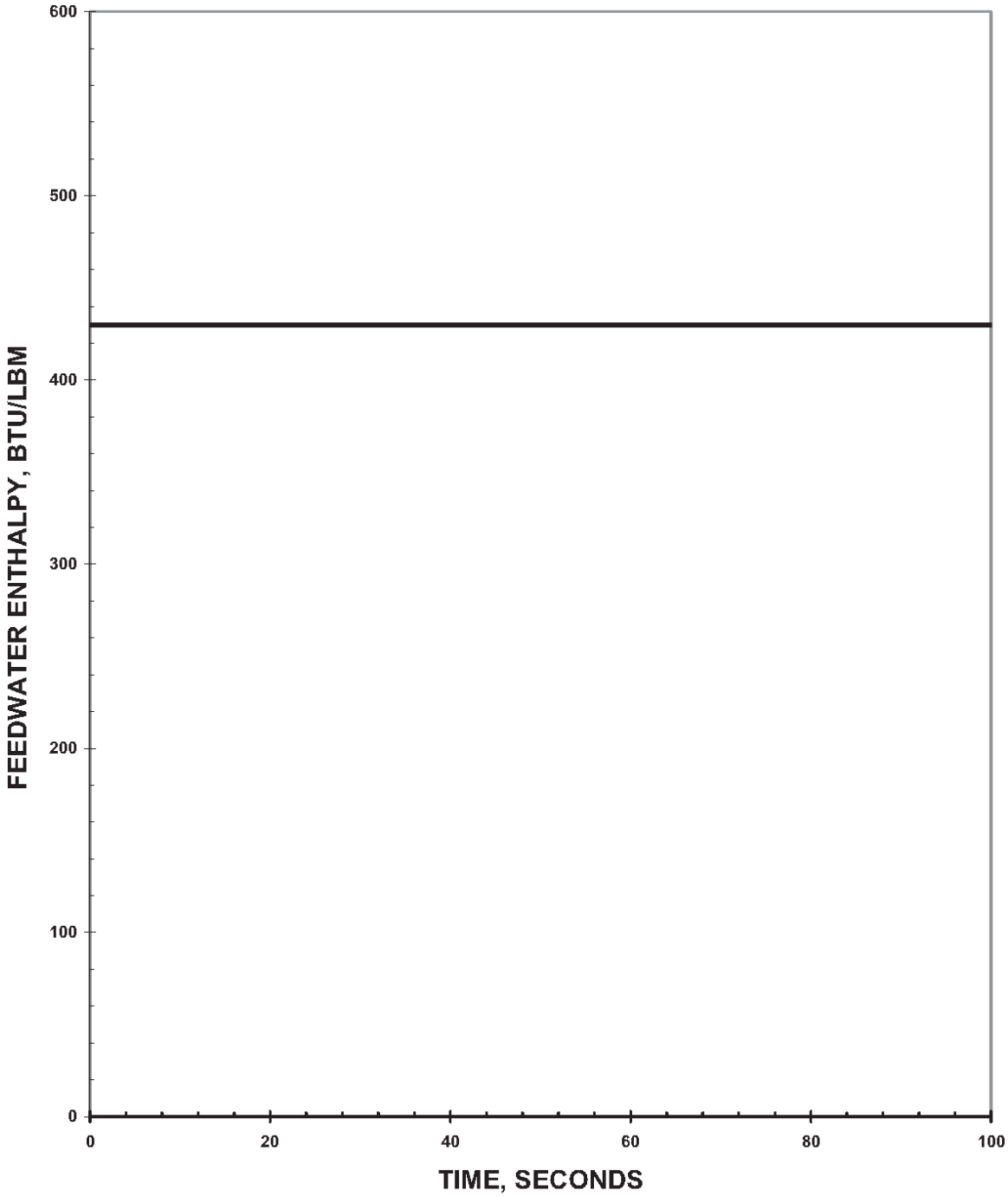
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Steam Flowrate vs. Time	Figure 15.2-53i



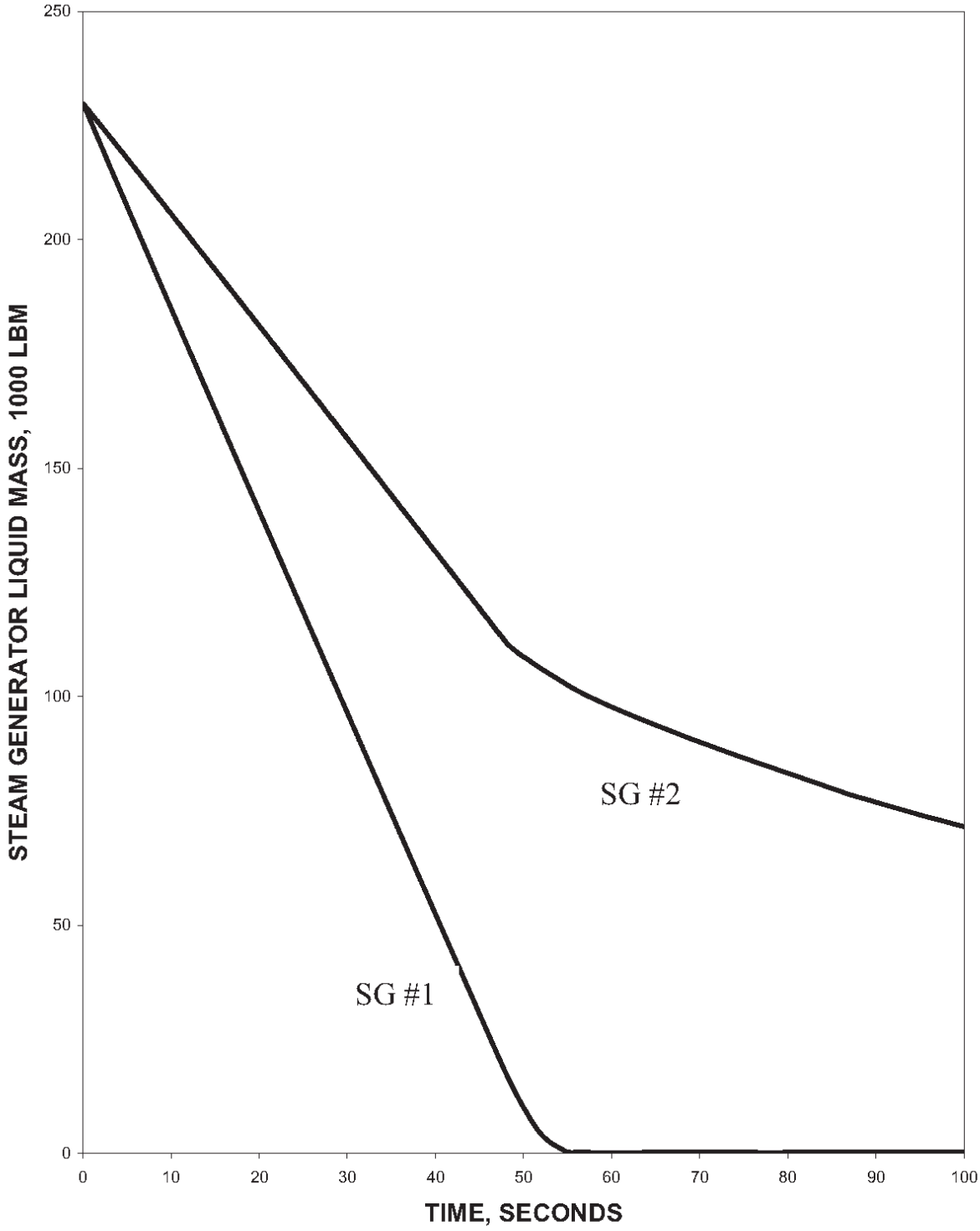
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Feedwater Flow (Intact Side) vs. Time	Figure 15.2-53j



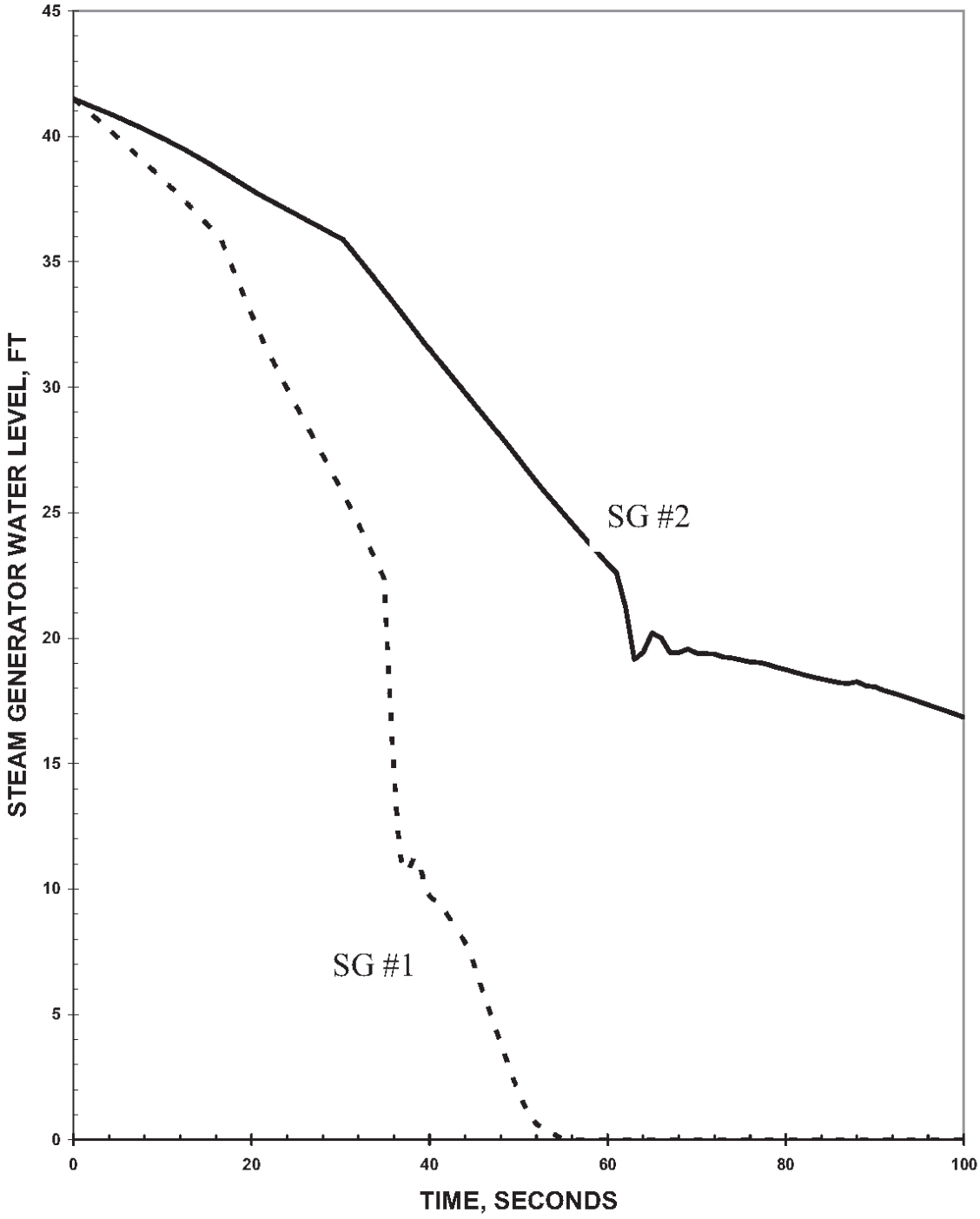
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Feedwater Enthalpy (Intact Side) vs. Time	Figure 15.2-53k



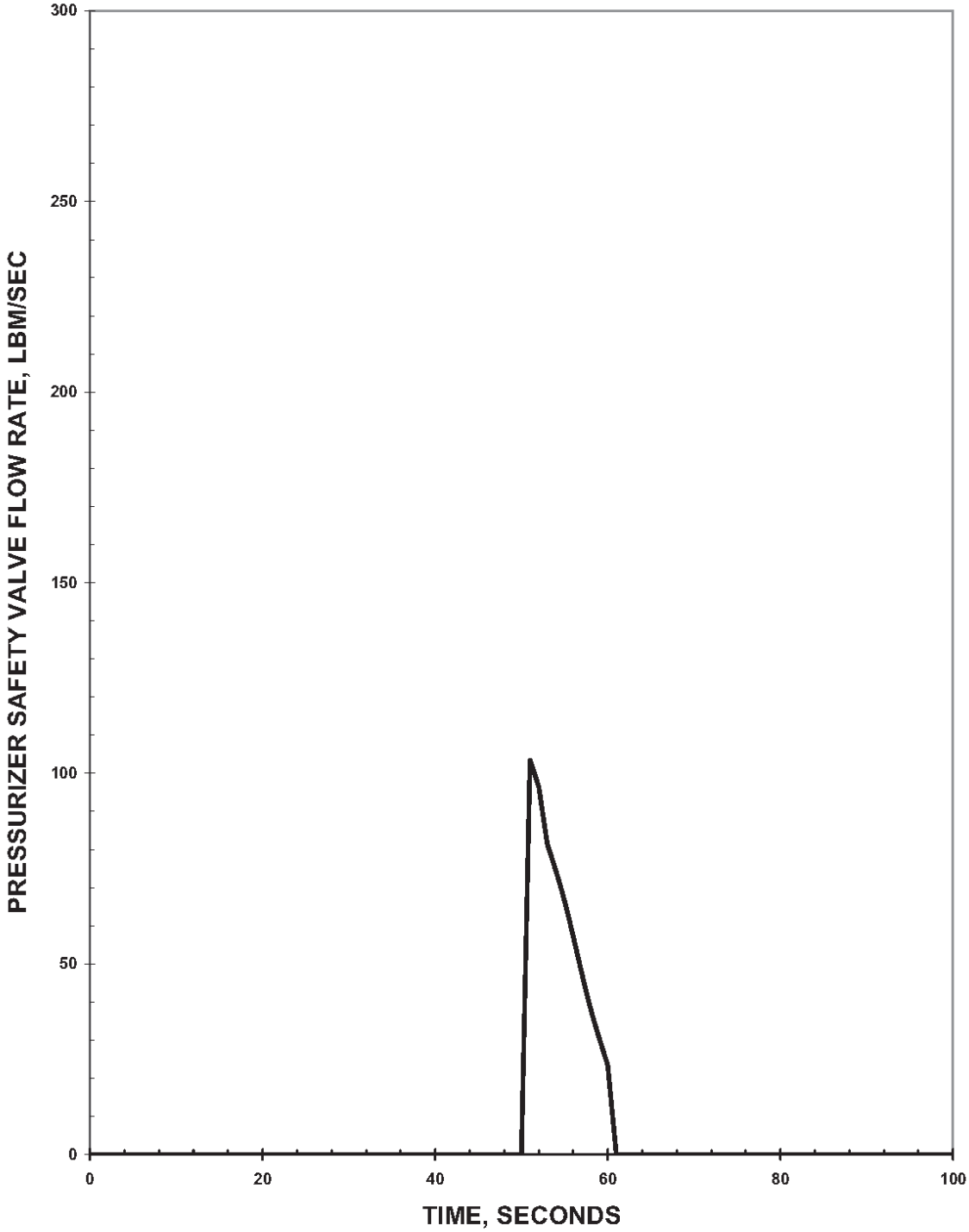
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) SG Liquid Mass vs. Time	Figure 15.2-53l



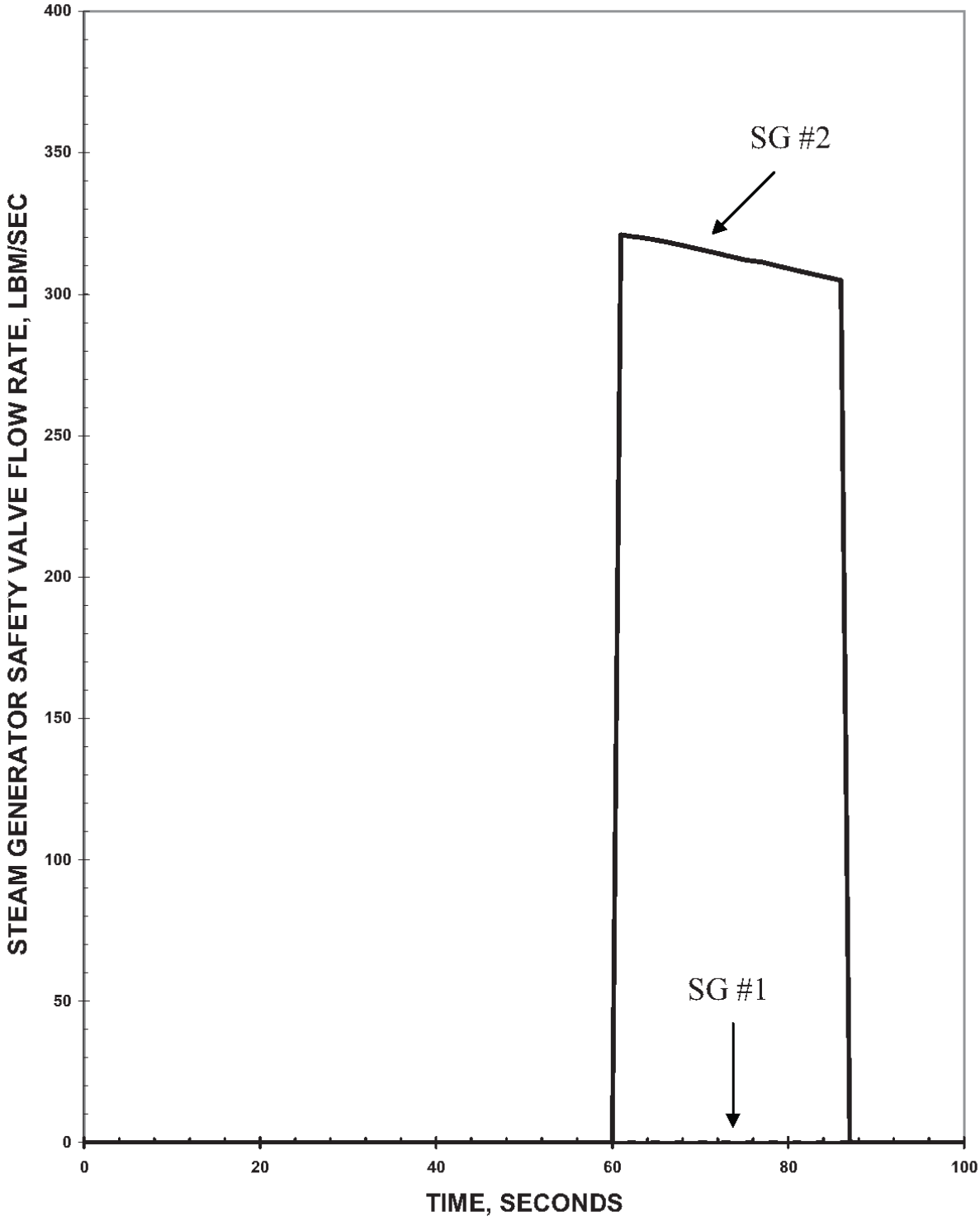
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) SG Water Level vs. Time	Figure 15.2-53m



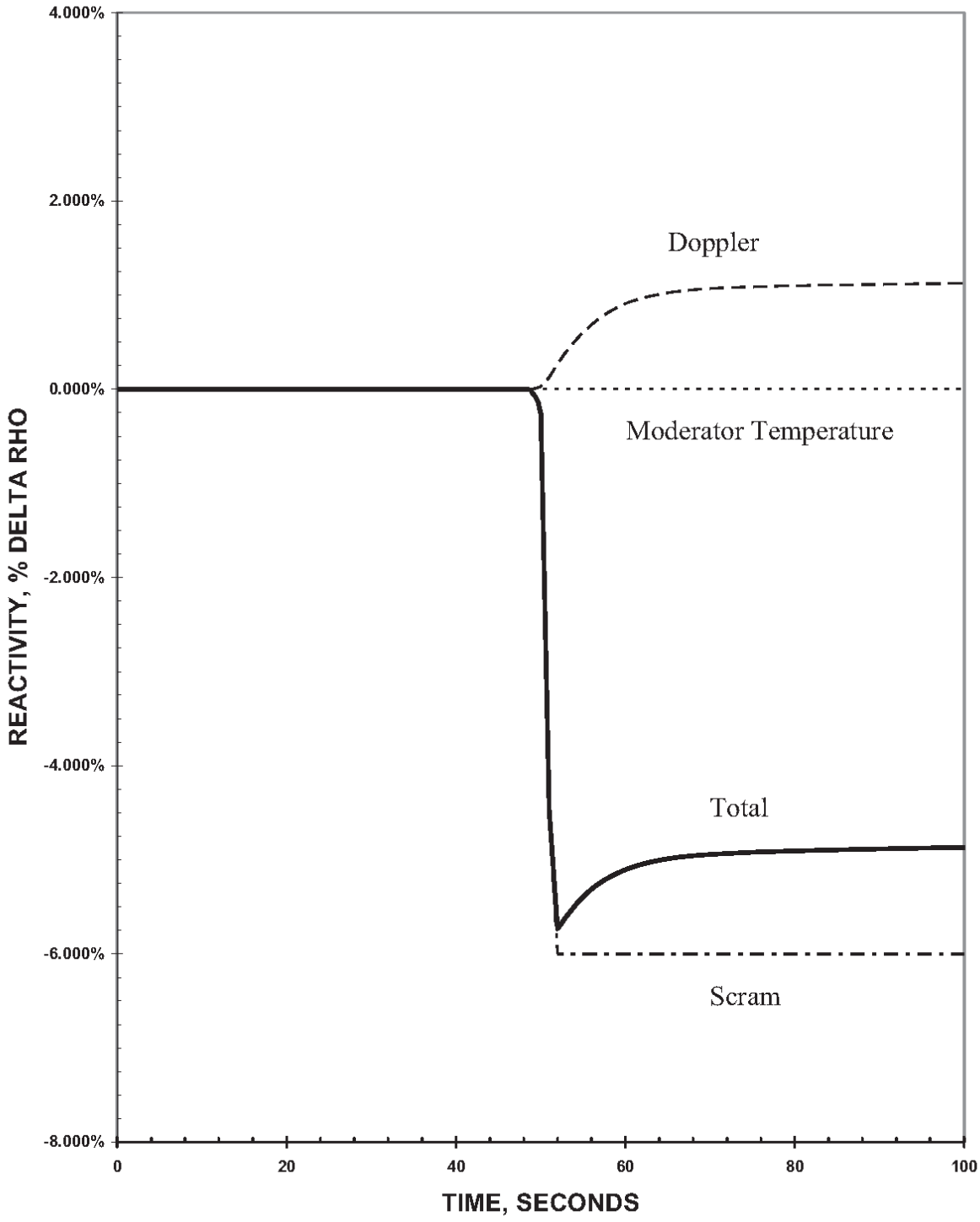
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Pressurizer Safety Valve Flowrate vs. Time	Figure 15.2-53n



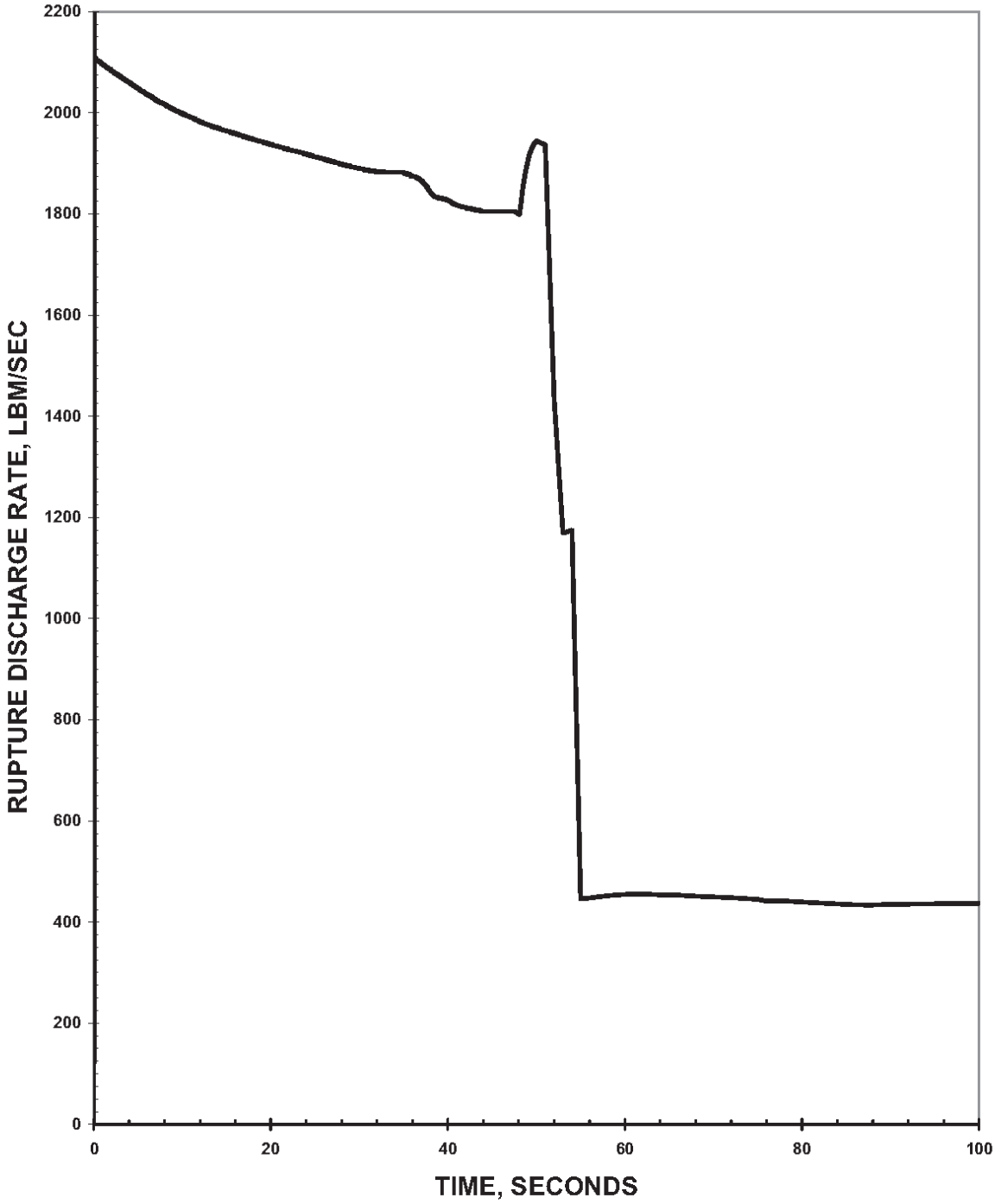
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Secondary Safety Valve Flowrate vs. Time	Figure 15.2-53o



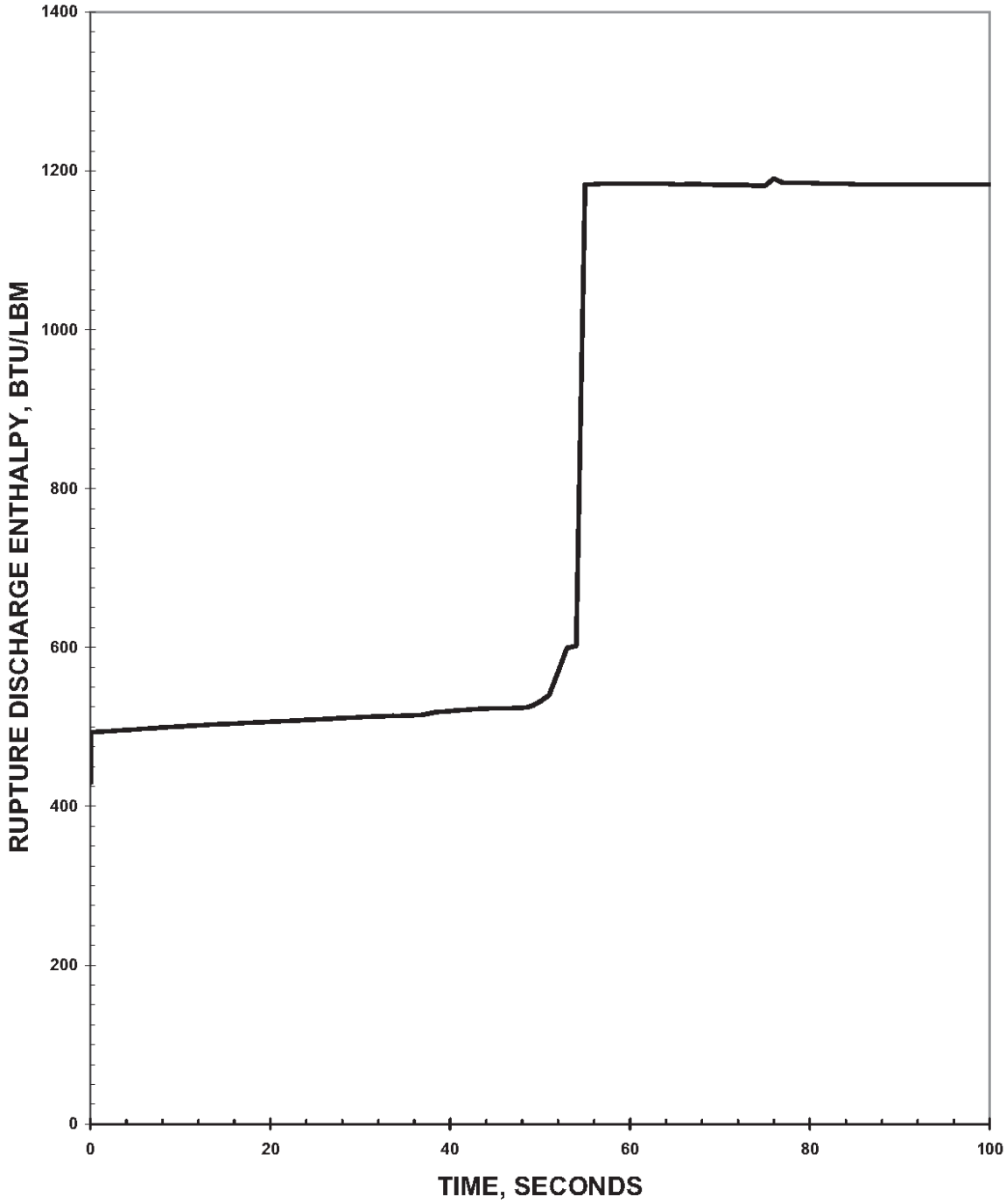
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Reactivity vs. Time	Figure 15.2-53p



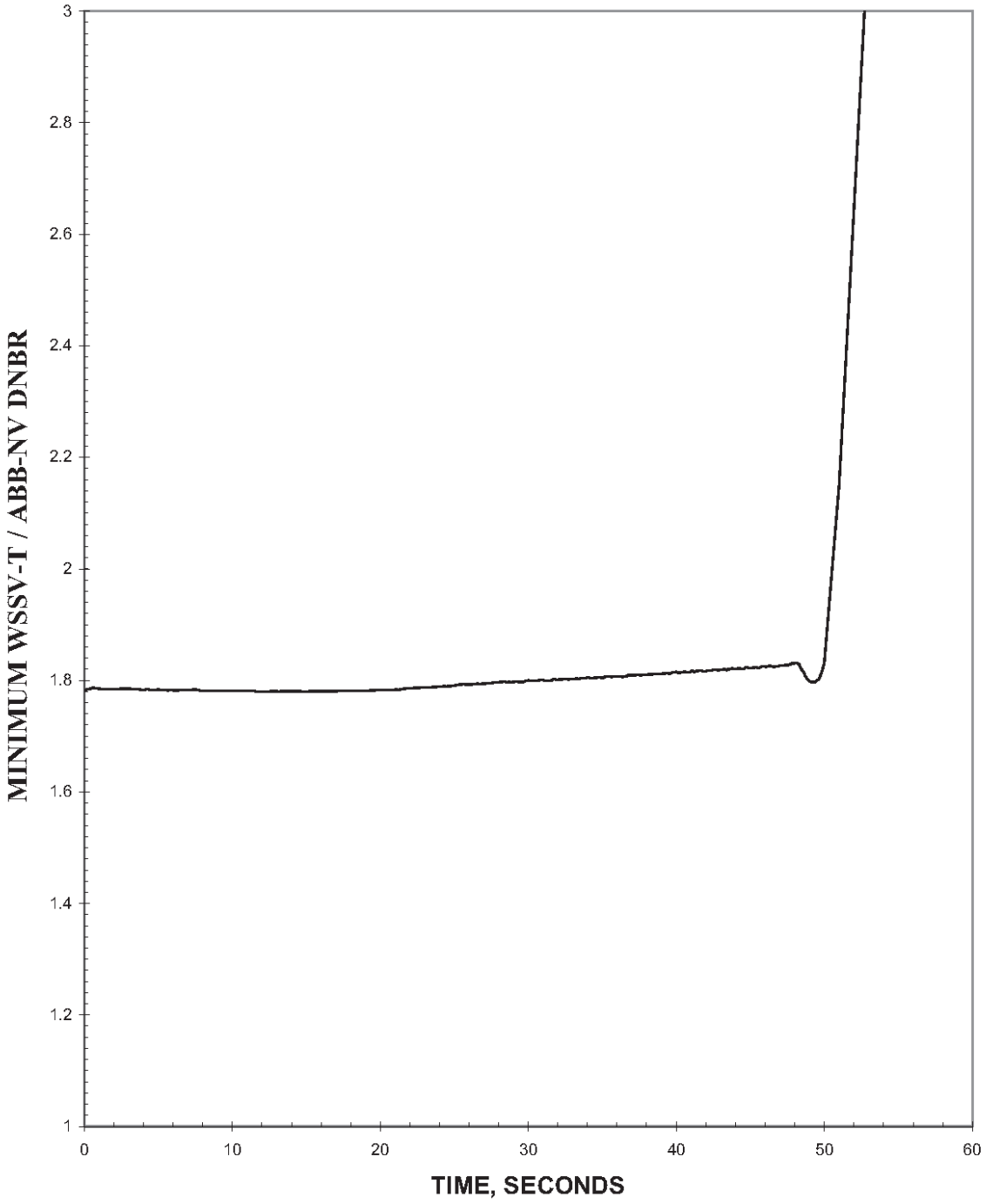
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Rupture Discharge Flowrate vs. Time	Figure 15.2-53q



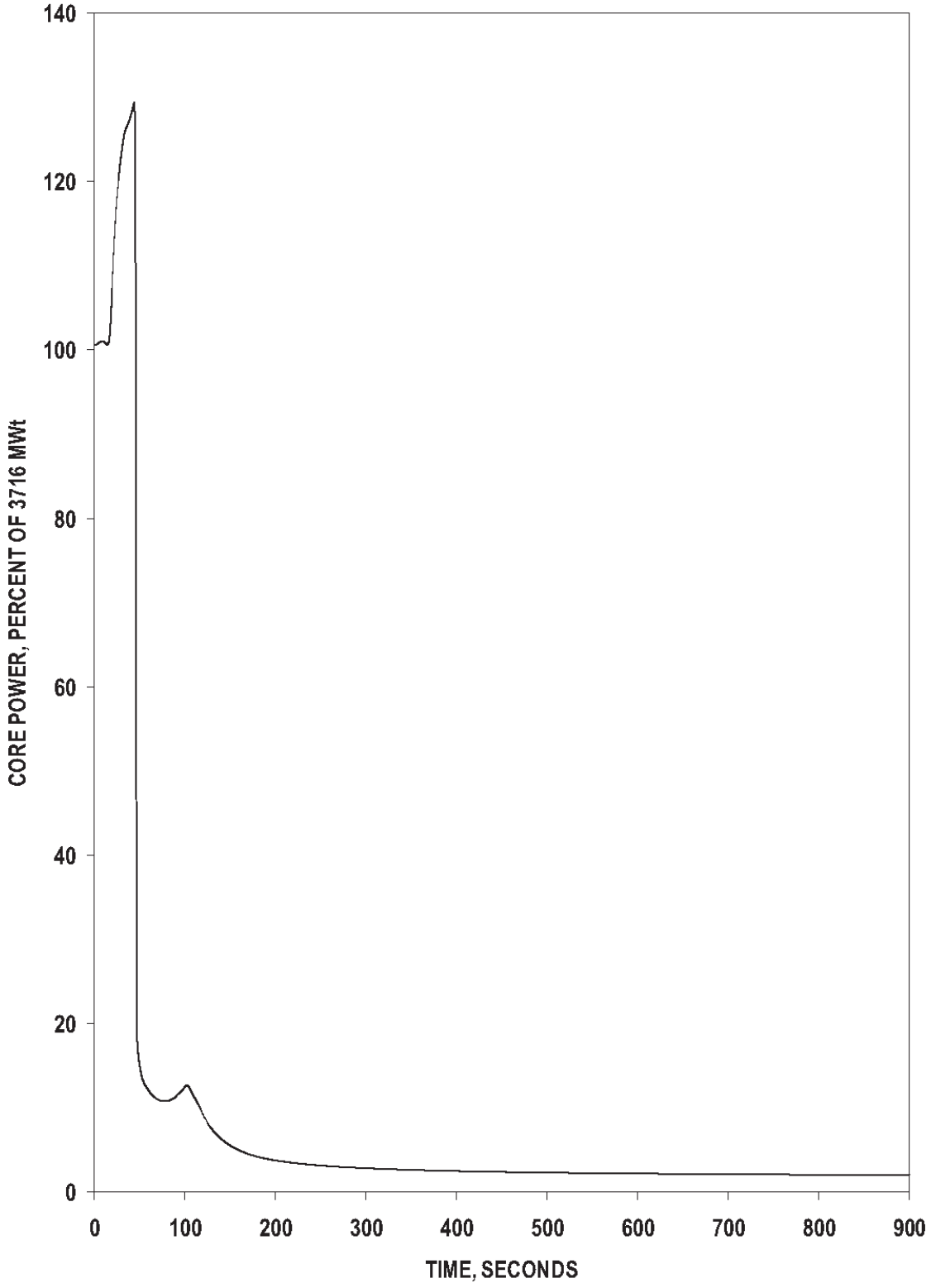
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Rupture Discharge Enthalpy vs. Time	Figure 15.2-53r



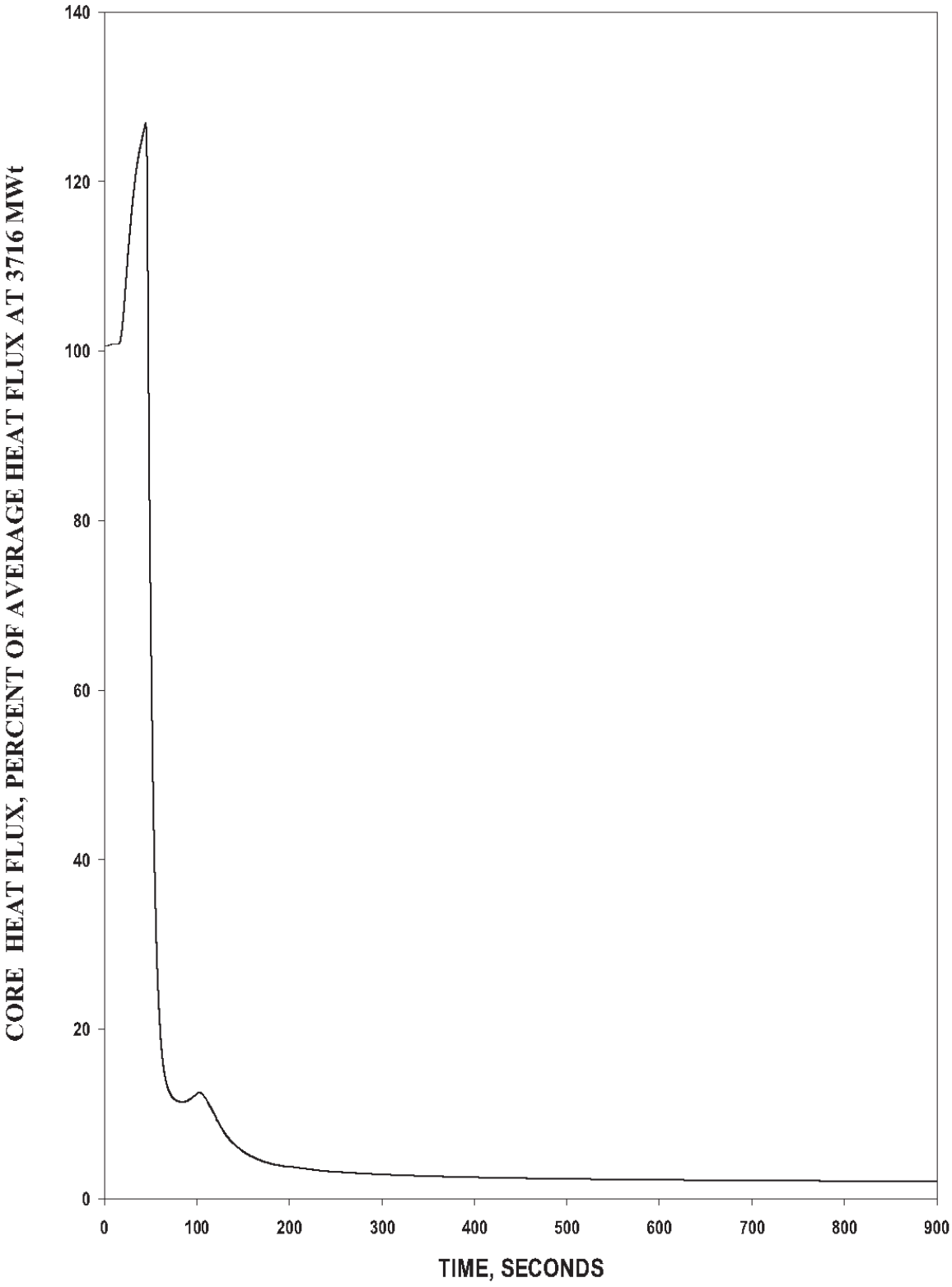
Revision 307 (07/13)

Waterford Steam Electric Station #3	Feedwater System Pipe Break (Small) Minimum DNBR vs. Time	Figure 15.2-53s



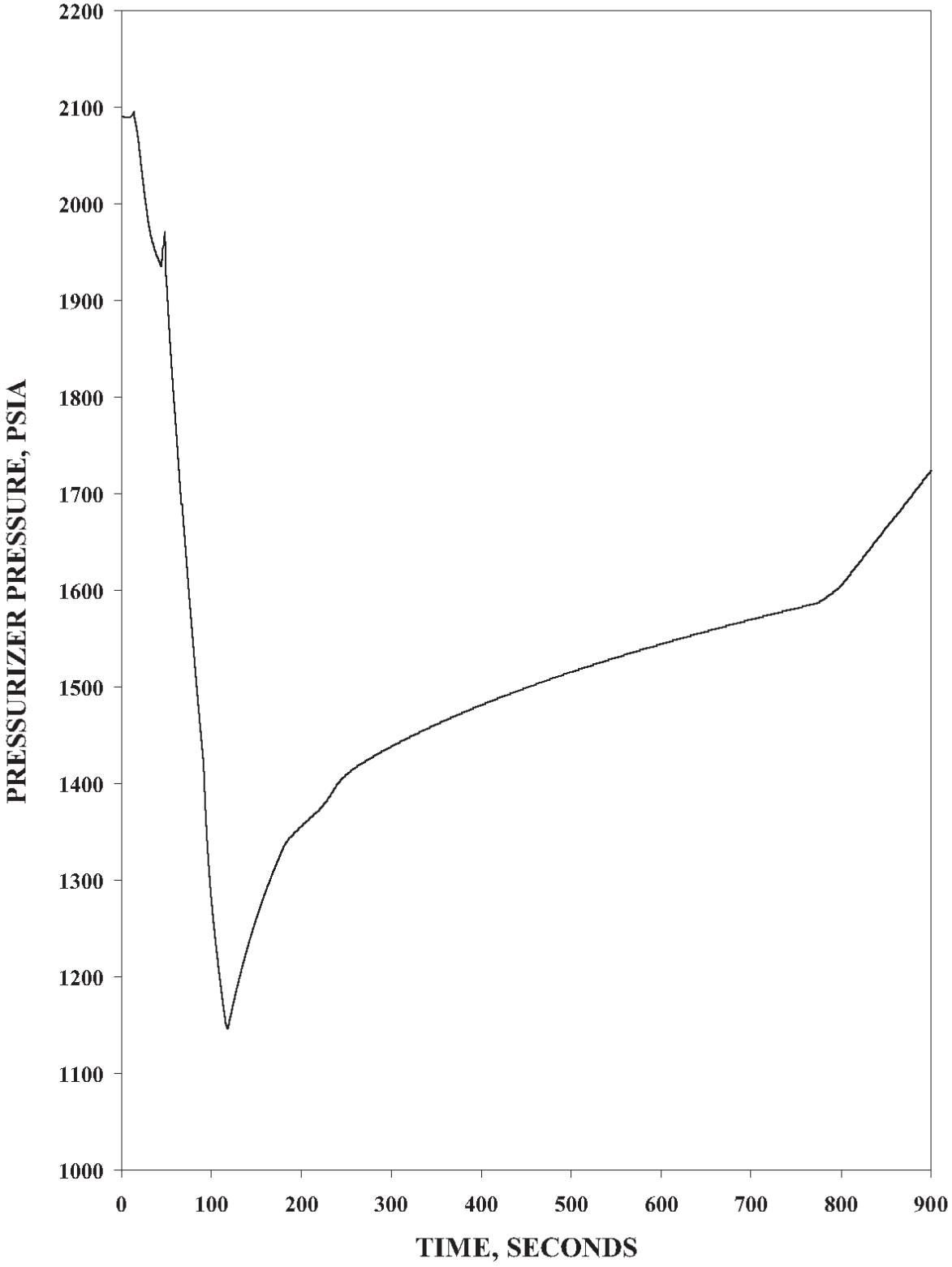
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater Flow with an Active Failure in the SBCS Core Power vs. Time	Figure 15.2-54



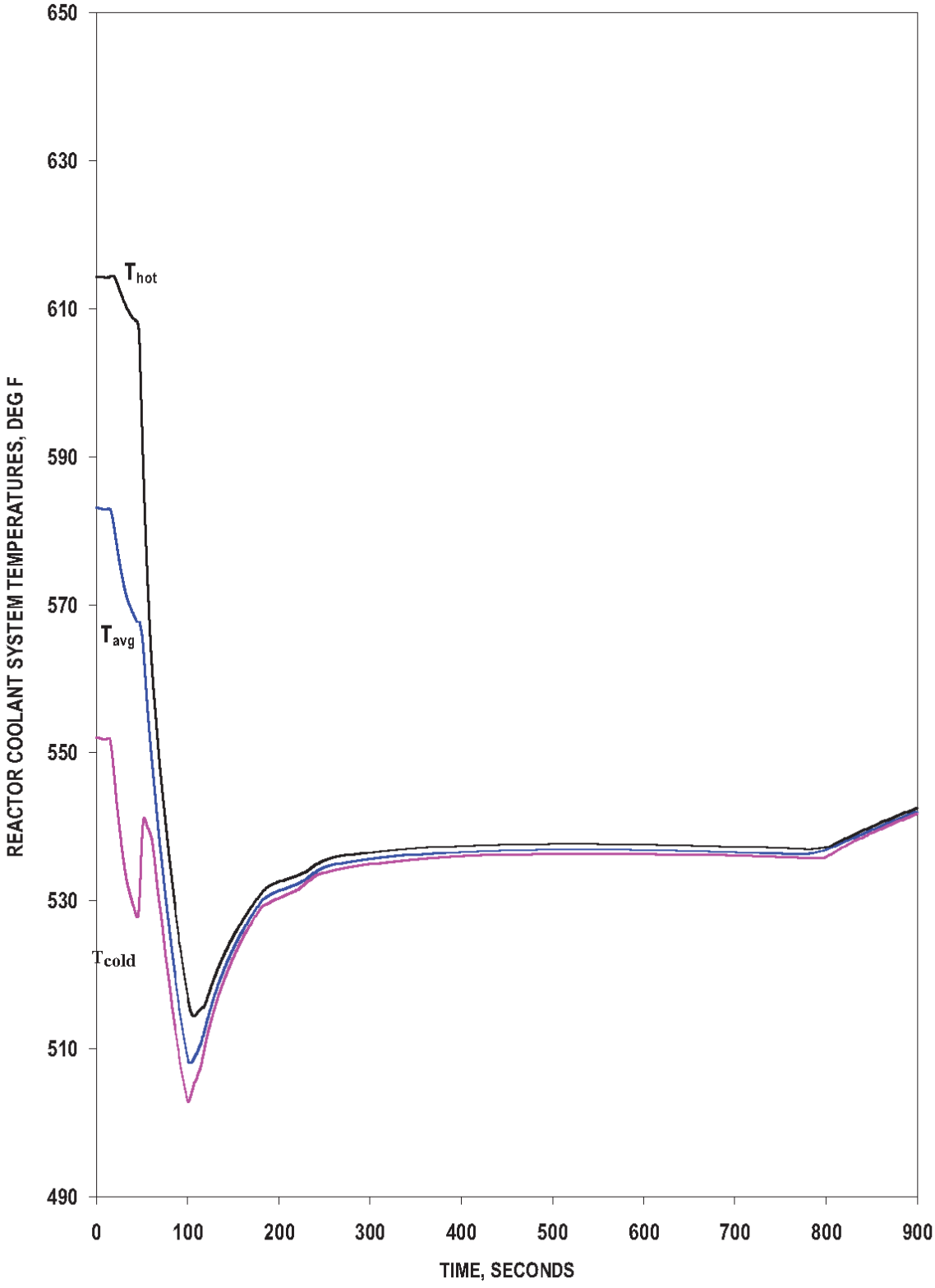
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater with an Active Failure in the SBCS Core Heat Flux vs. Time	Figure 15.2-55



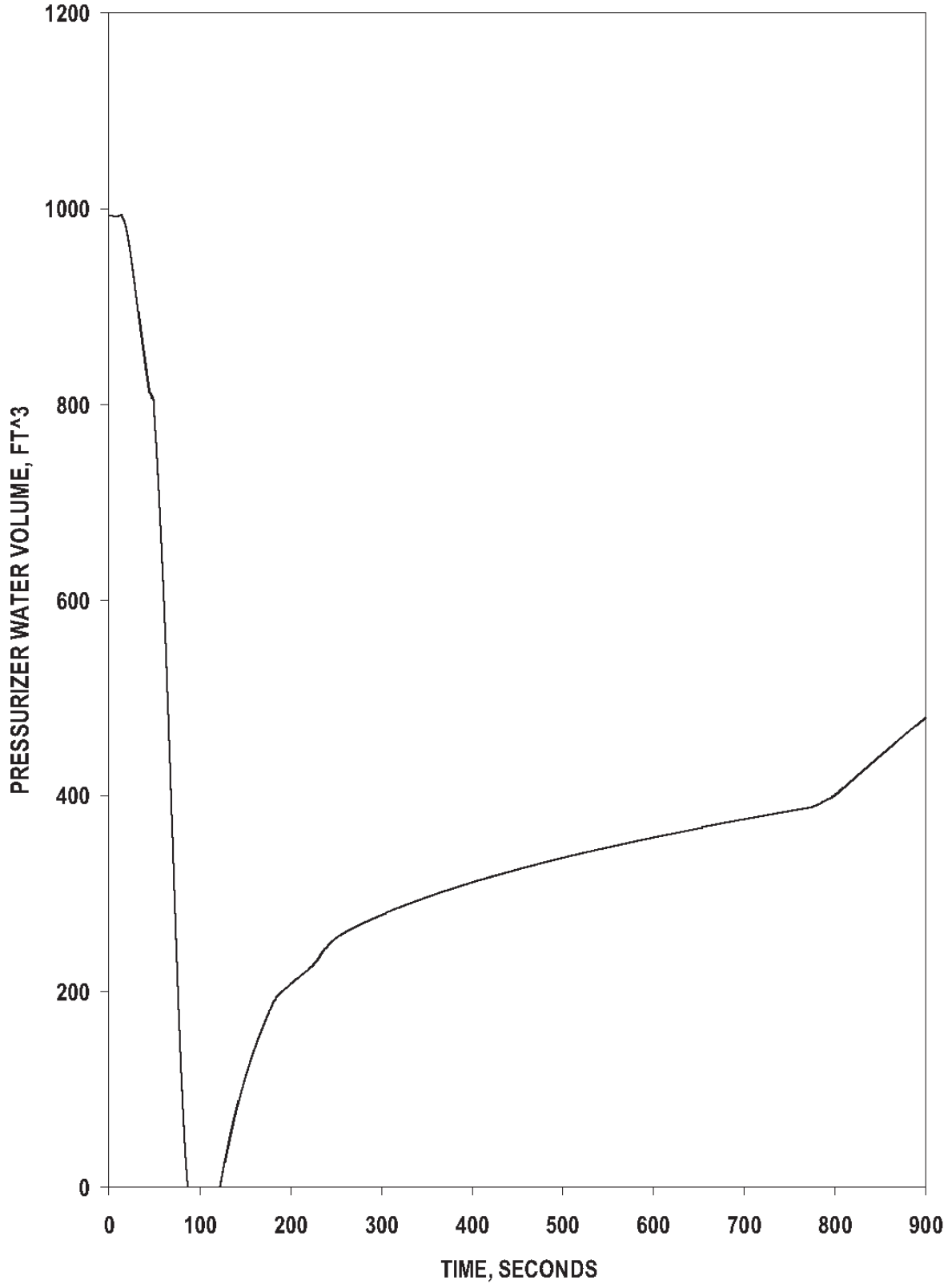
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater with an Active Failure in the SBCS Pressurizer Pressure vs. Time	Figure 15.2-56



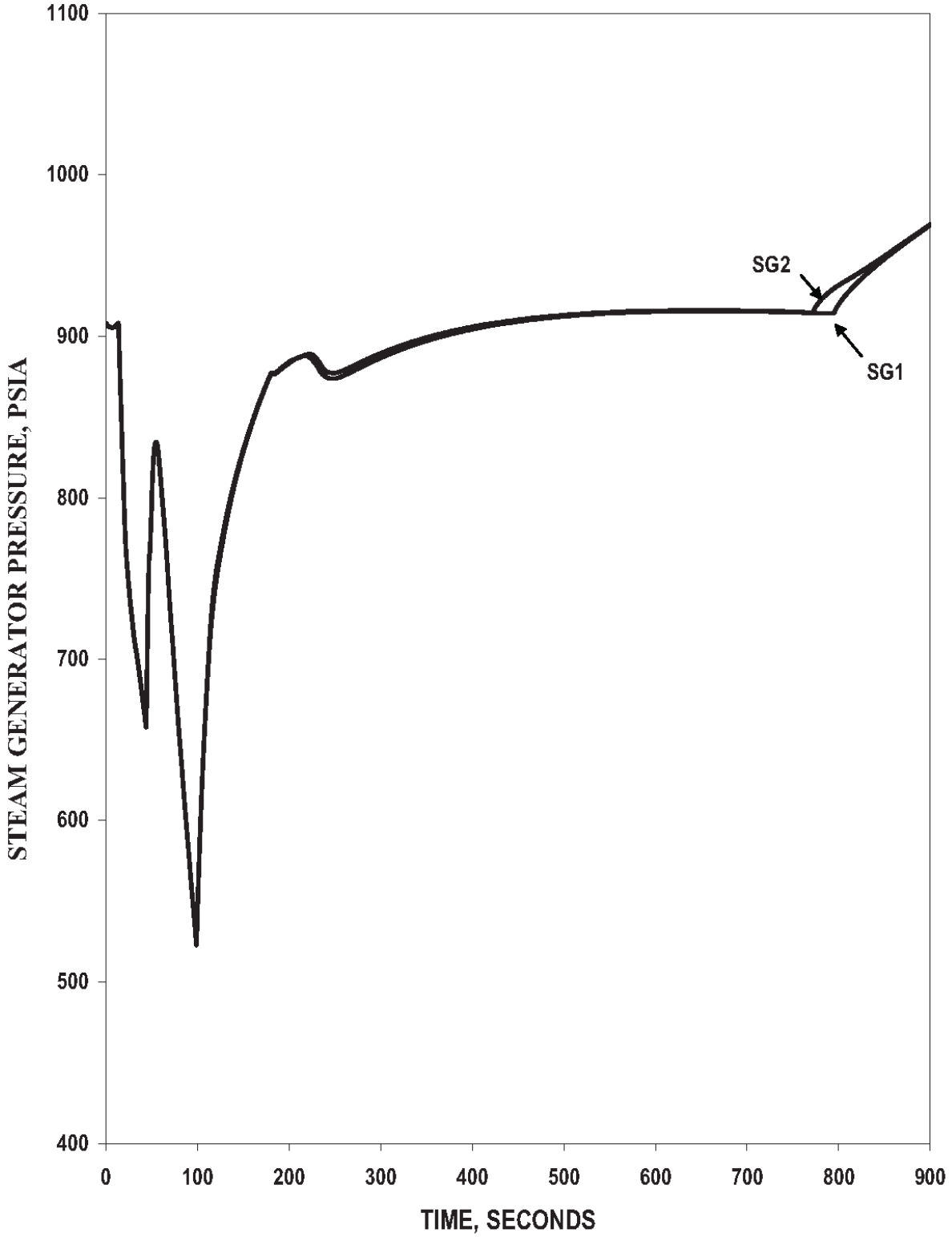
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater with an Active Failure in the SBCS RCS Temperature vs. Time	Figure 15.2-57



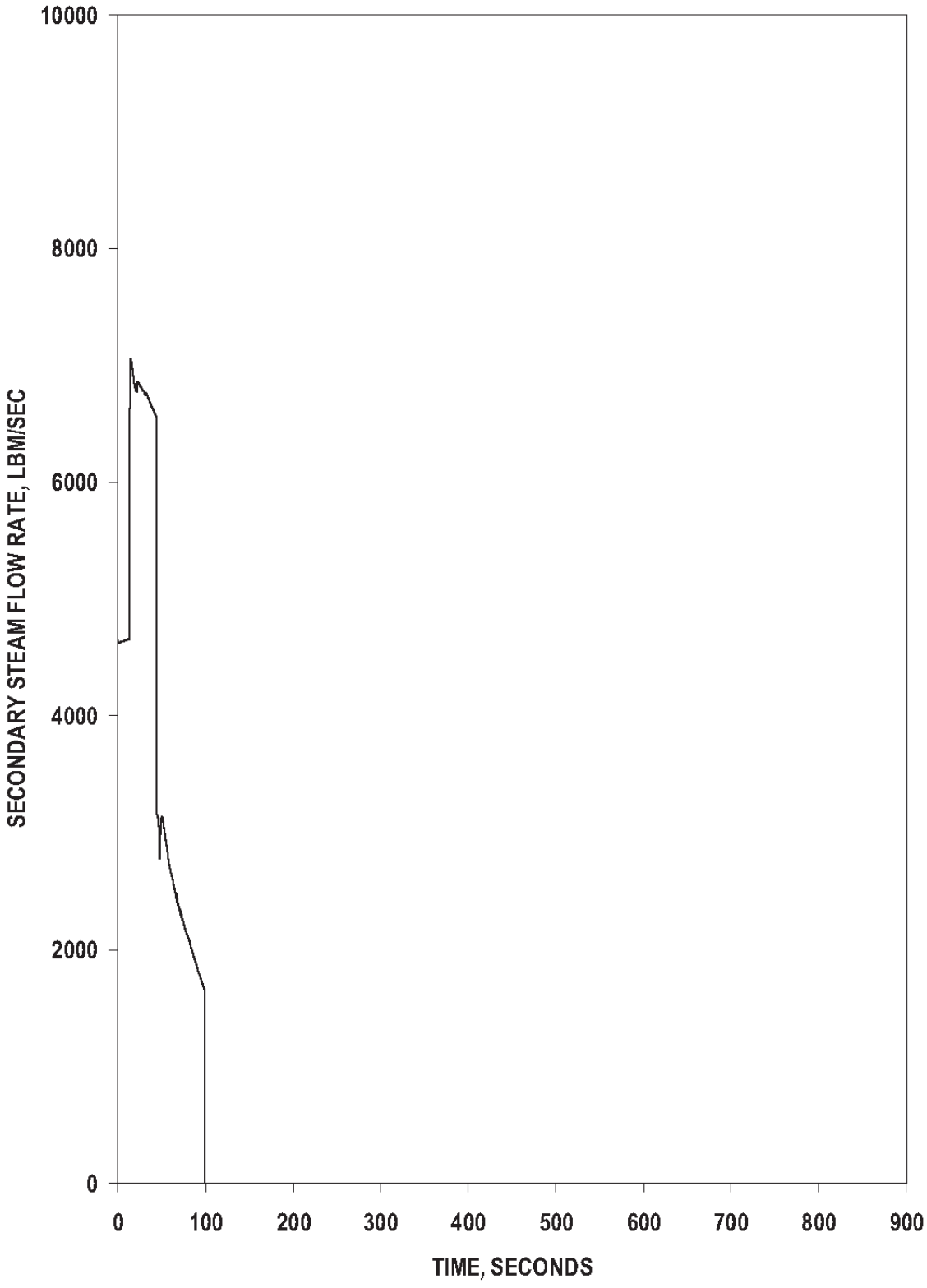
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater with an Active Failure in the SBCS Pressurizer Water Volume vs. Time	Figure 15.2-58



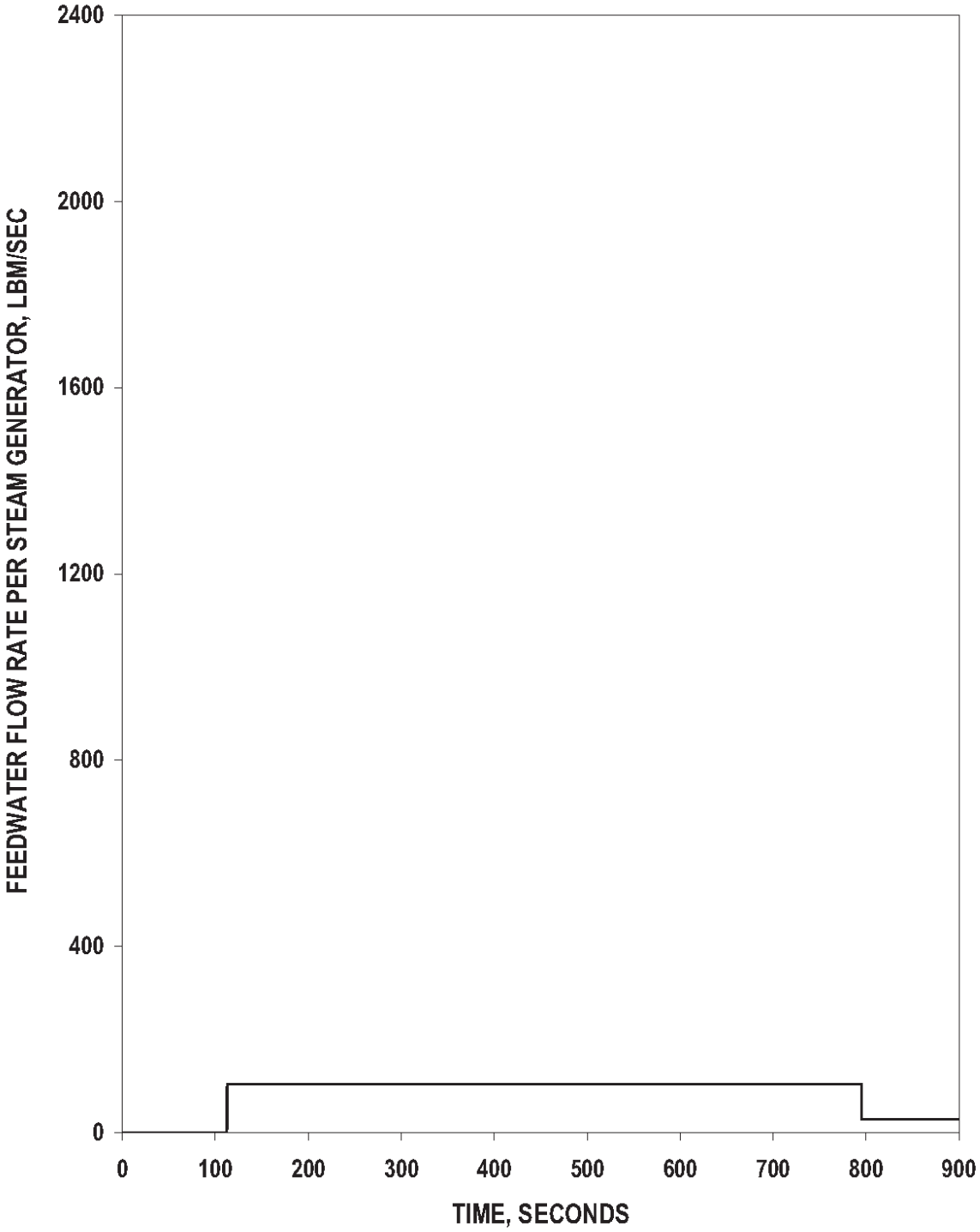
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater with an Active Failure in the SBCS SG Pressure vs. Time	Figure 15.2-59



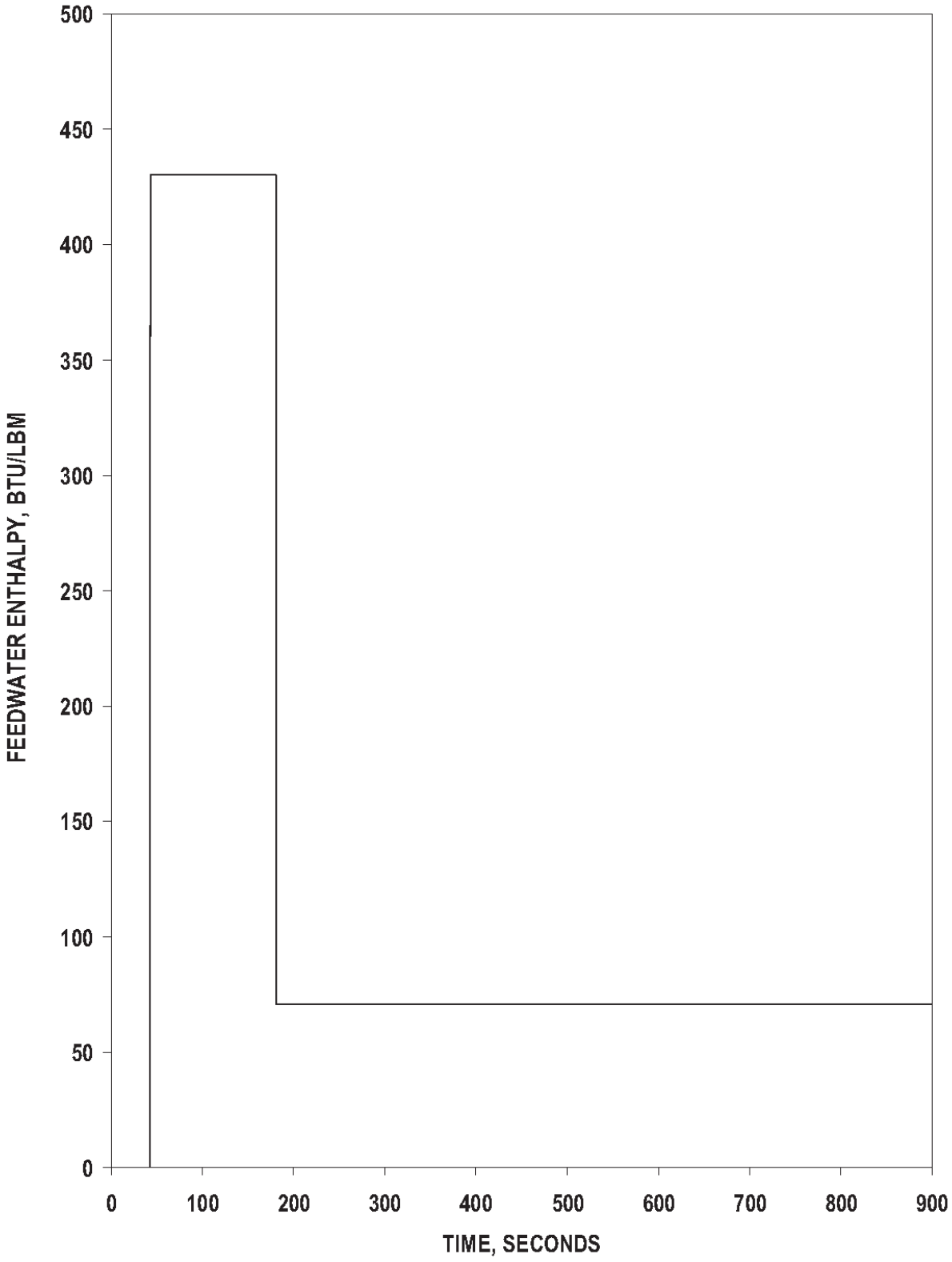
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater with an Active Failure in the SBCS Secondary Steam Flowrate vs. Time	Figure 15.2-60



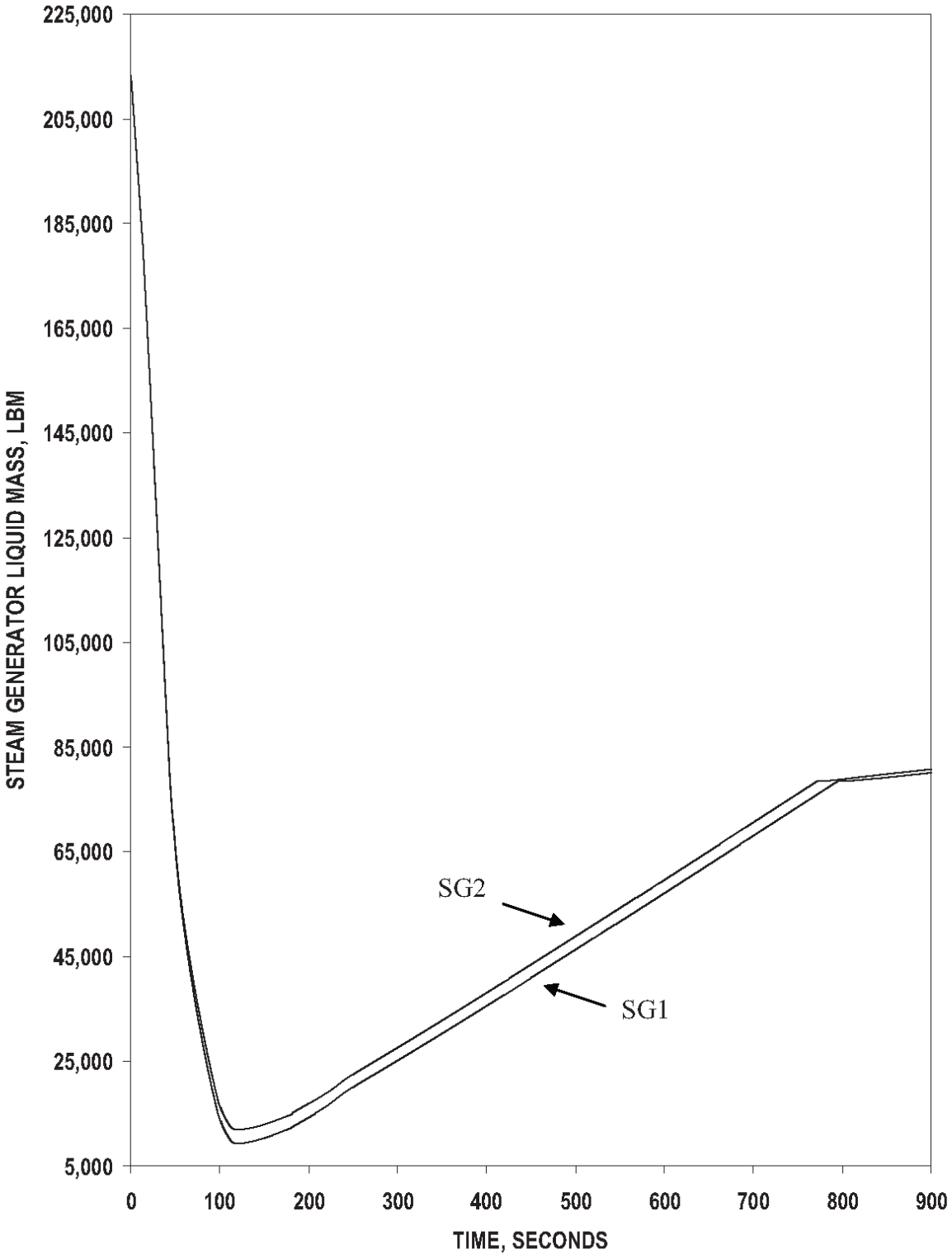
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater with an Active Failure in the SBCS EFW Flowrate per SG vs. Time	Figure 15.2-61



Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater with an Active Failure in the SBCS EFW Enthalpy vs. Time	Figure 15.2-62



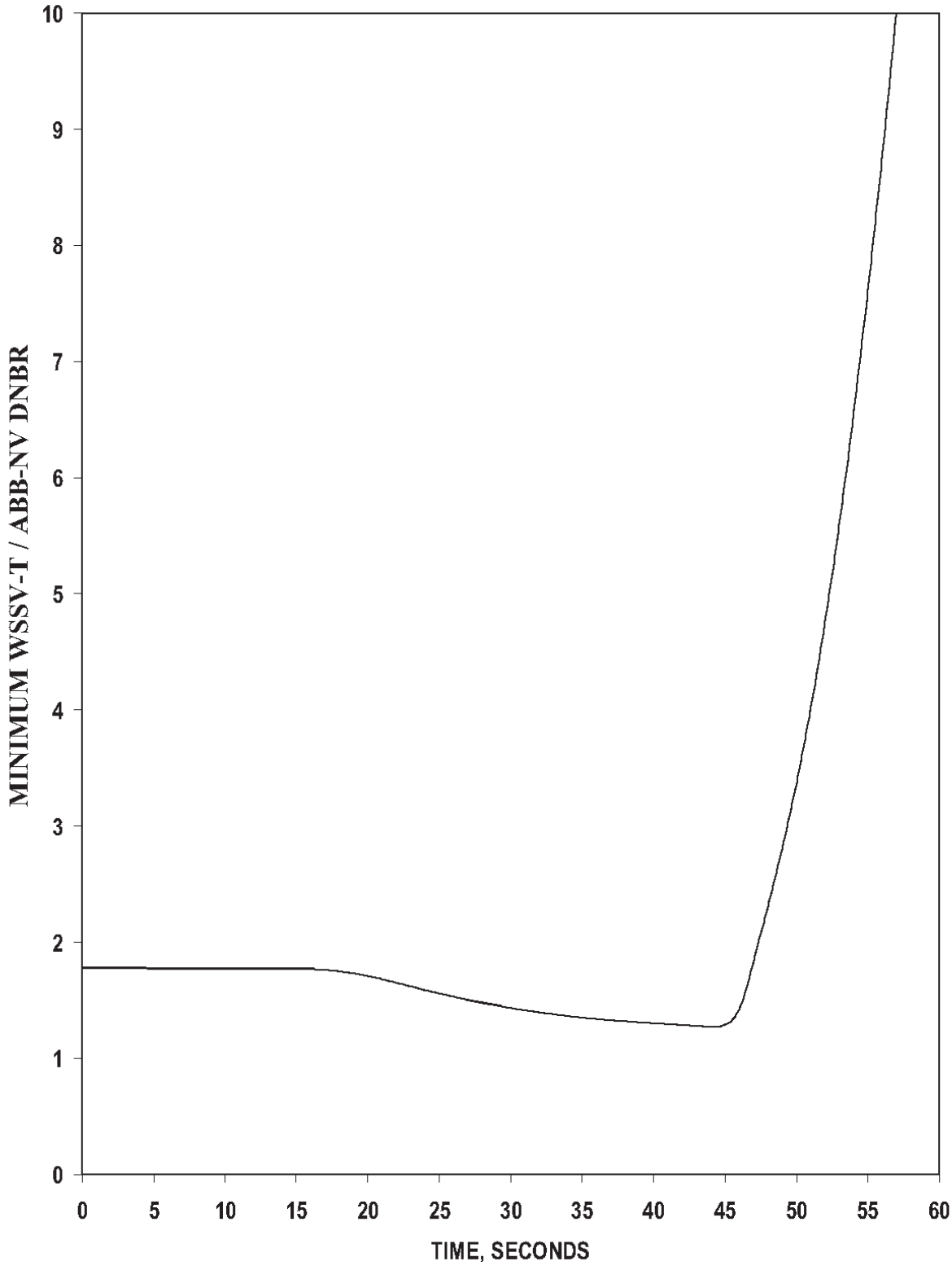
Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater with an Active Failure in the SBCS Secondary Liquid Mass vs. Time	Figure 15.2-63

→(DRN 05-543, R14)

Figure 15.2-64 has been intentionally deleted.

←(DRN 05-543, R14)



Revision 307 (07/13)

Waterford Steam Electric Station #3	Loss of Normal Feedwater with an Active Failure in the SBCS Minimum DNBR vs. Time	Figure 15.2-65