

NOTES:  
 1) VALVES ARE SHOWN IN ES POSITION.

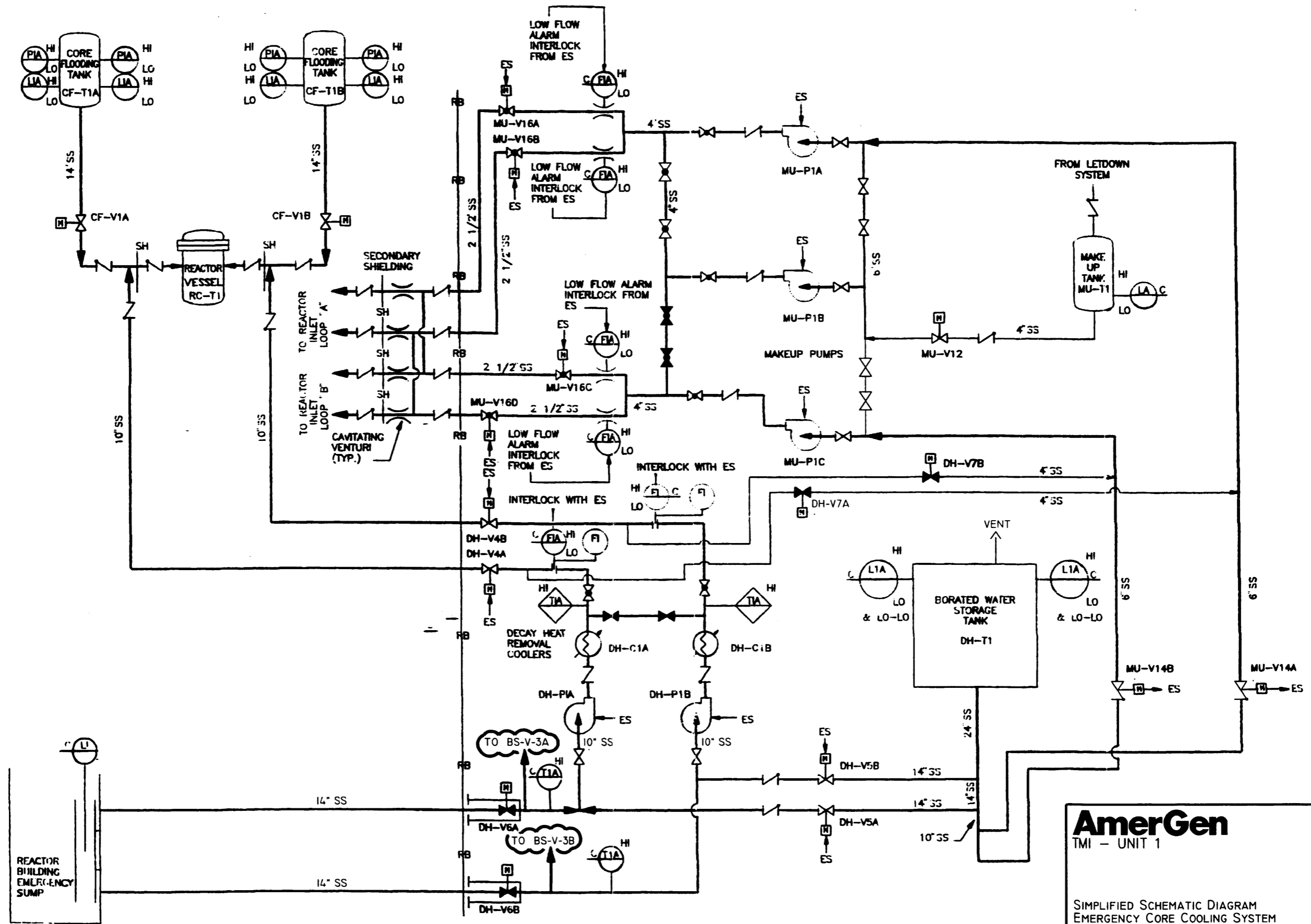
p.6.FIG-1

TMI - UNIT 1  
 UPDATE - 14  
 04/98

**GPU NUCLEAR**

SIMPLIFIED SCHEMATIC DIAGRAM  
 OF ENGINEERED SAFEGUARDS SYSTEM  
 FOR CORE AND BUILDING PROTECTION

CAD FILE: 65IIR14.DWG  
 FIG 6.0-1



p.6.FIG-2

<b>AmerGen</b> TMI - UNIT 1	UPDATE - 15
	04/00
SIMPLIFIED SCHEMATIC DIAGRAM EMERGENCY CORE COOLING SYSTEM	
CAD FILE: 6512R15.DWG	FIG 6.0-2

## TMI UFSAR

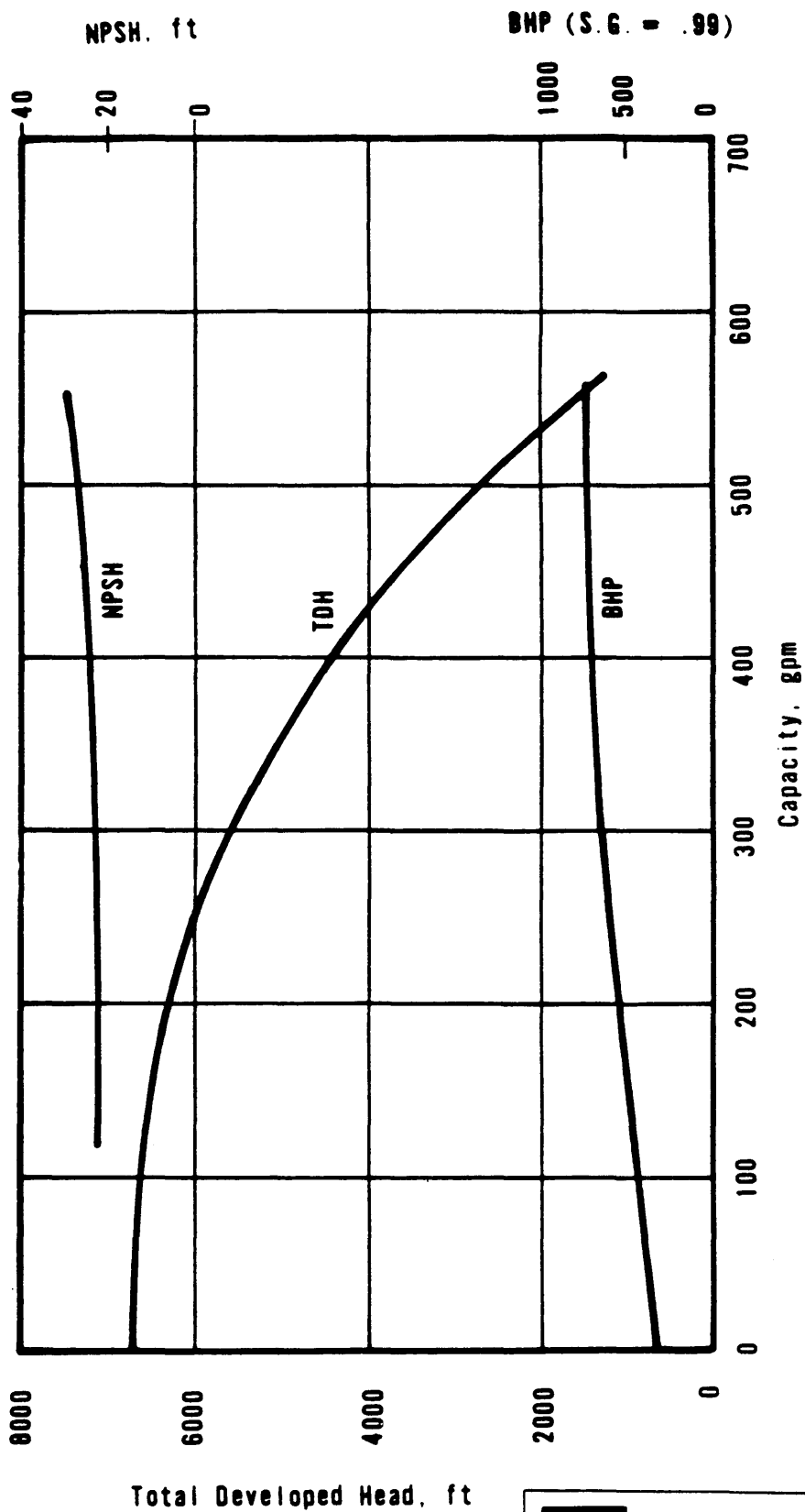
Figures 6.0-3 through 6.0-4

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## TMI UFSAR

Figure 6.1-1

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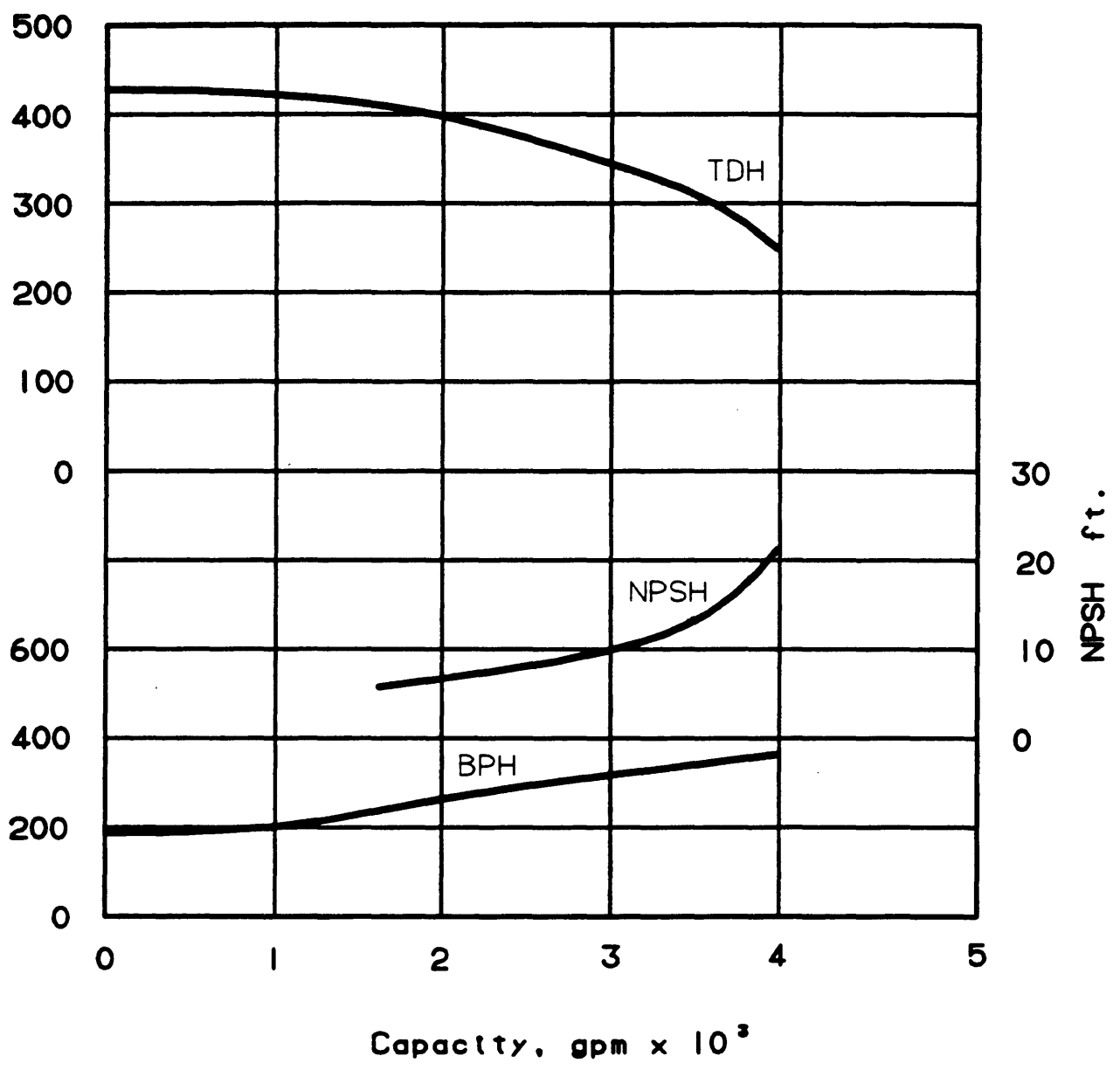


Total Developed Head, ft

<b>GPU Nuclear</b> <b>TMI Unit-1</b>	Update -1
	7/82
<b>Makeup Pump Characteristics</b>	
<b>Fig. 6.1-2</b>	

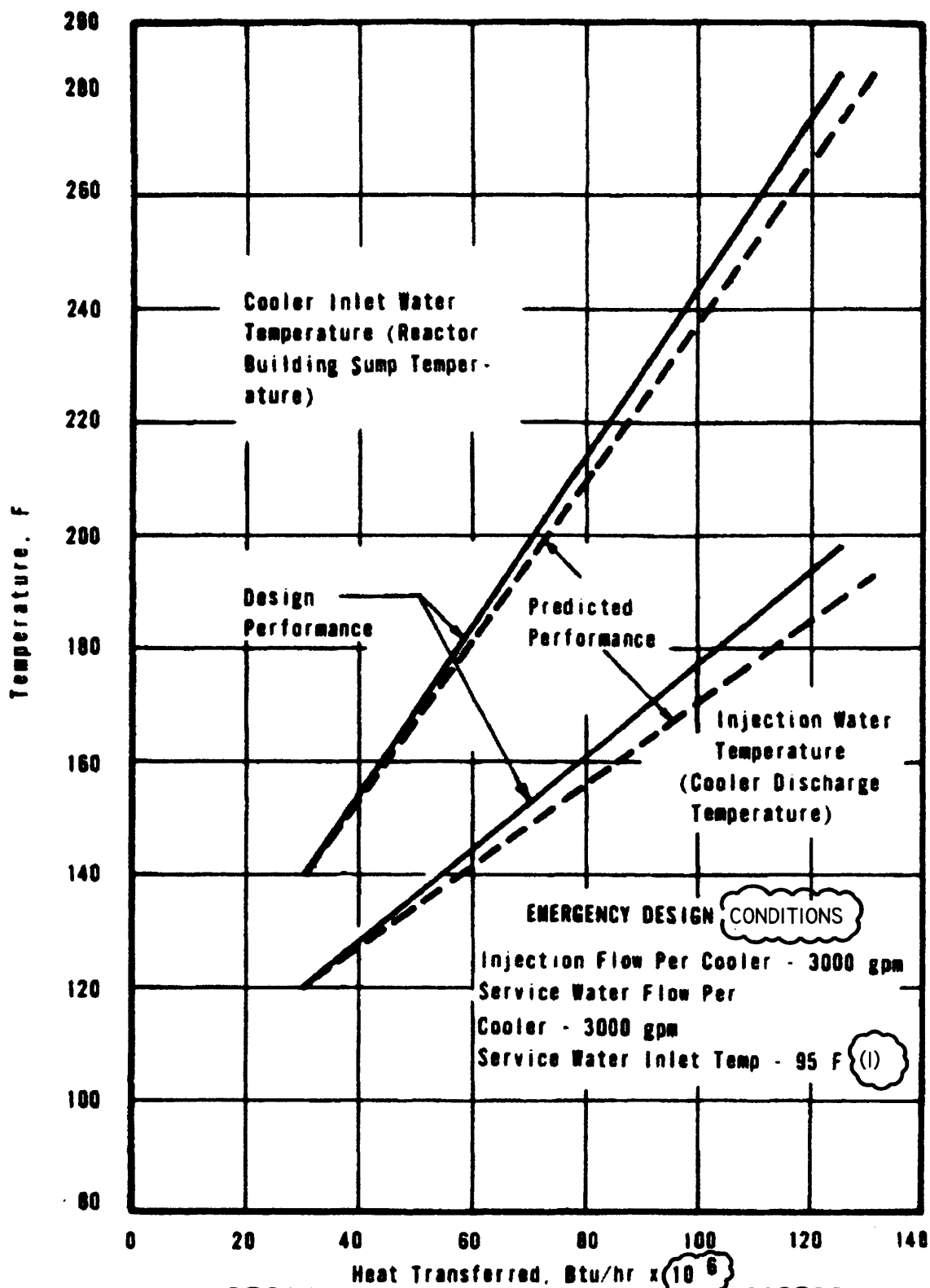
Total Developed Head, ft.

BHP (S.G. = 1.0)



p.6.FIG-7

<b>GPU Nuclear</b>	Update-12
TMI Unit 1	3/94
Decay Heat Removal Pump Characteristics	
CADD #SIA,SKM,00,0336,001-.0000	Fig.6.1-3



(1) Current design for the Service Water Inlet temperature (Decay Closed Cooling Water System) is 99.5°F.

p. 6.FIG-8

TMI - UNIT 1

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4/98

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**NUCLIA**

DECAY HEAT REMOVAL COOLER  
CHARACTERISTICS

CAD FILE: 656IRI4.DWG

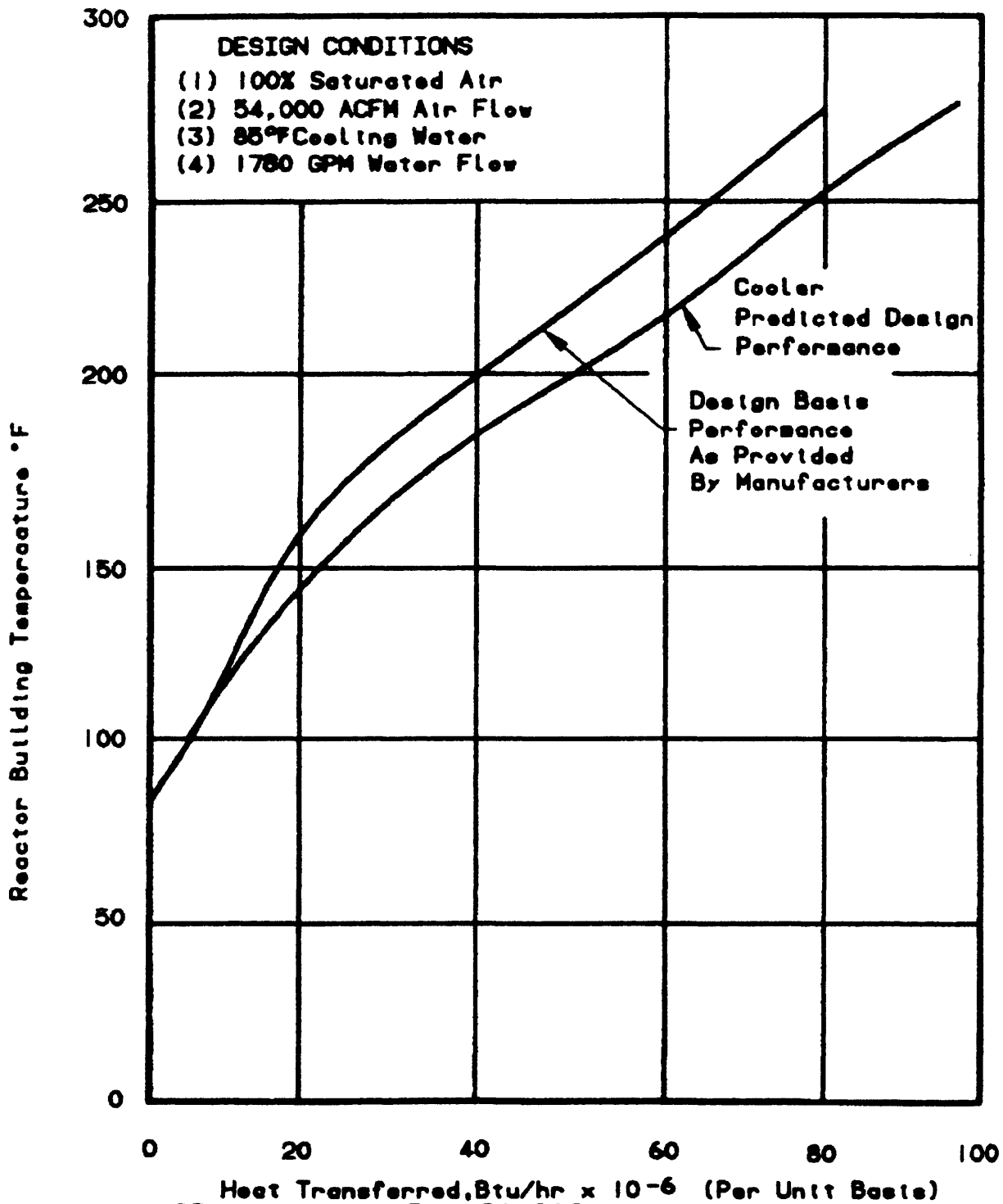
FIG 6.1-4

## TMI UFSAR

Figure 6.2-1

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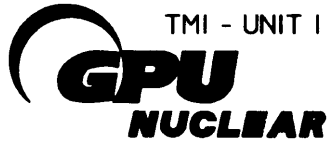




The fan cooler heat removal rates in Fig. 6.3-1 are based on the design conditions. This Figure does not reflect the current heat removal capability or conditions in the plant. See Section 6.3.2.

p.6.FIG-10

TMI - UNIT 1
UPDATE -14  
4/98

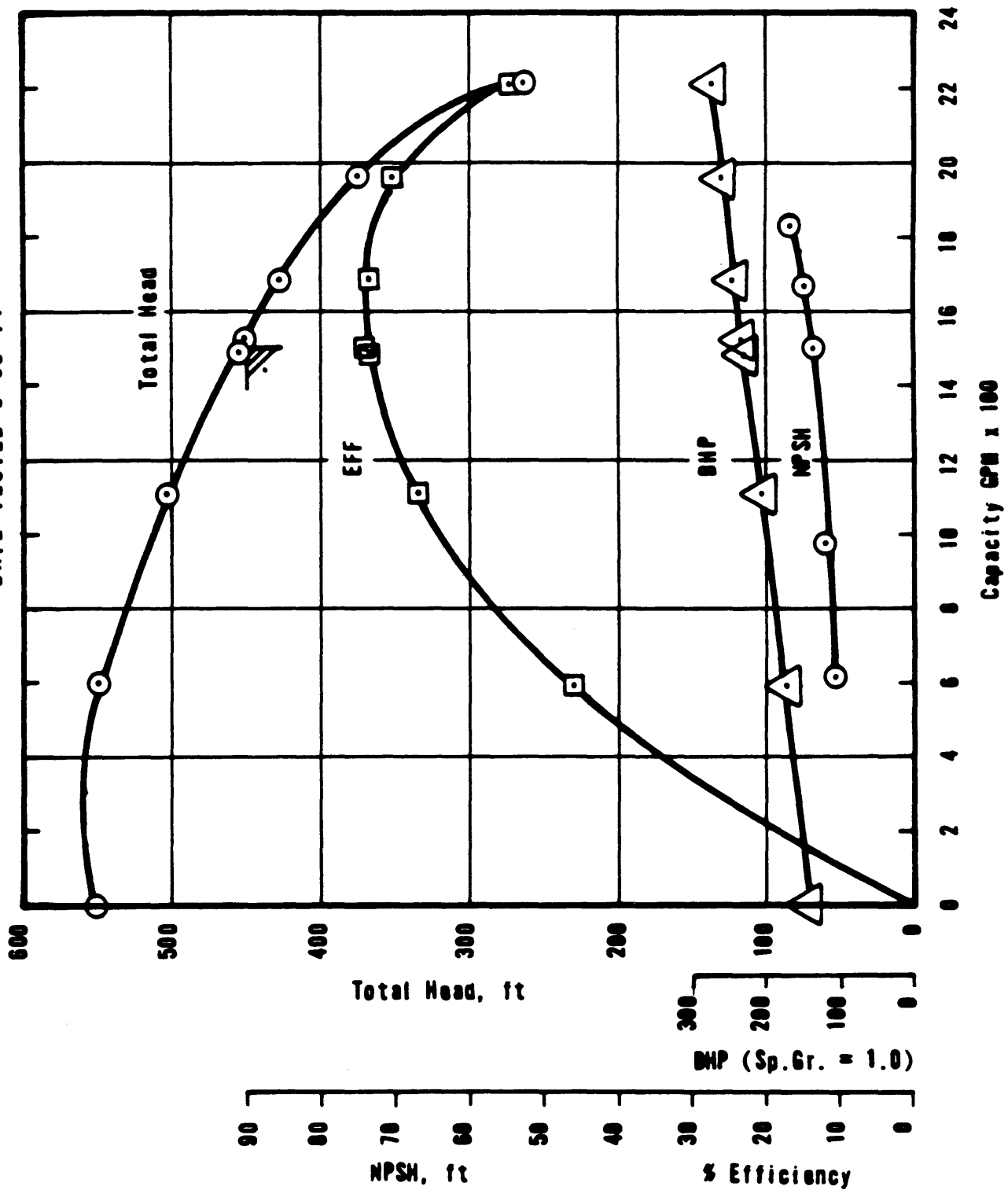


**GPU  
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Reactor Building Emergency Cooler  
Characteristics At Design Conditions

CAD FILE: 6559R14.DWG
FIG 6.3-1

**WORTHINGTON CORPORATION CERTIFIED PERFORMANCE**  
**DATE TESTED 3-30-71**



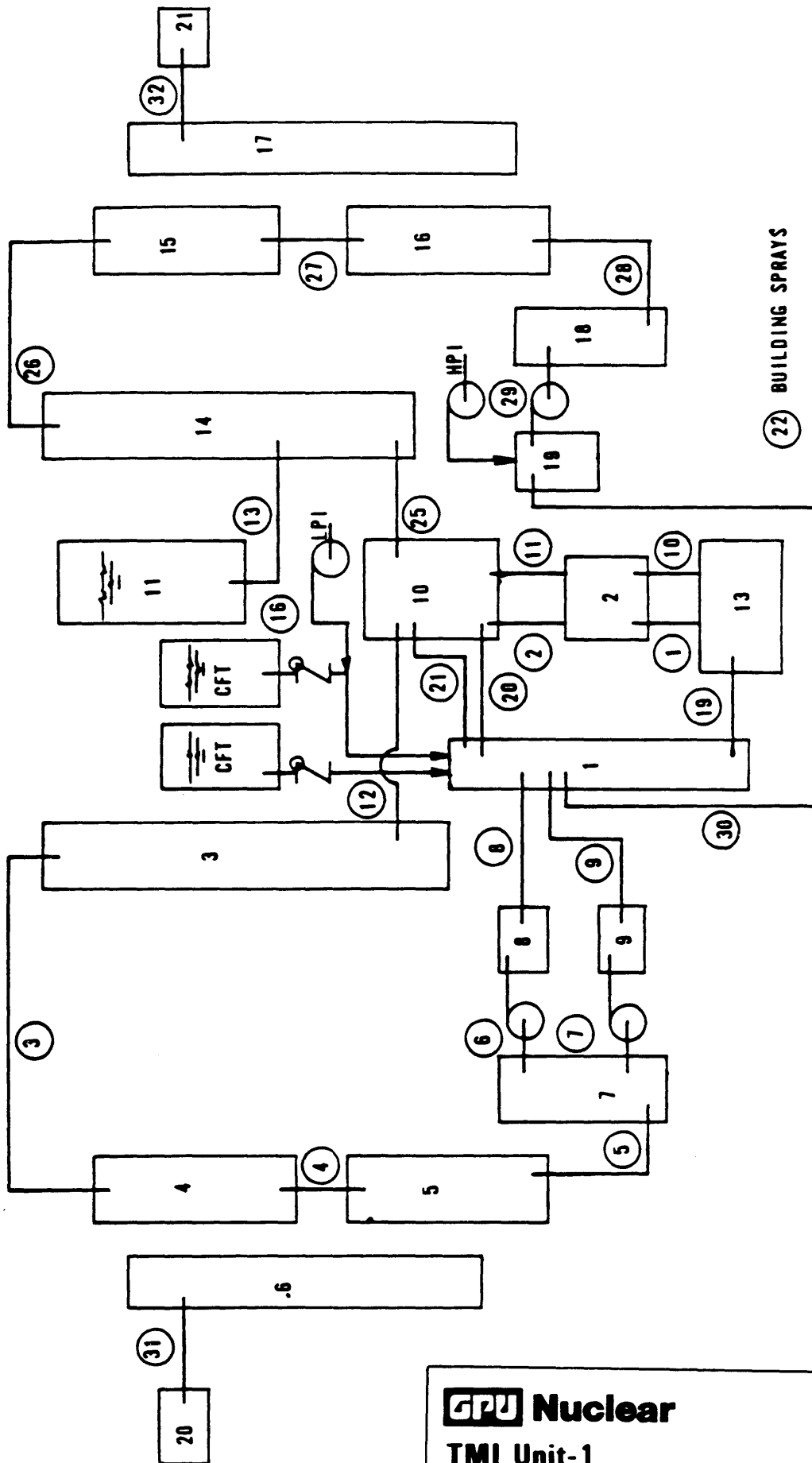
p. 6.FIG-11

<b>GPU Nuclear</b> <b>TMI Unit-1</b> Reactor Building Spray Pump (BS-P1A) Performance Test	Update - 1
	7/82
	Fig. 6.4-1

# TMI UFSAR

Figure 6.5-1

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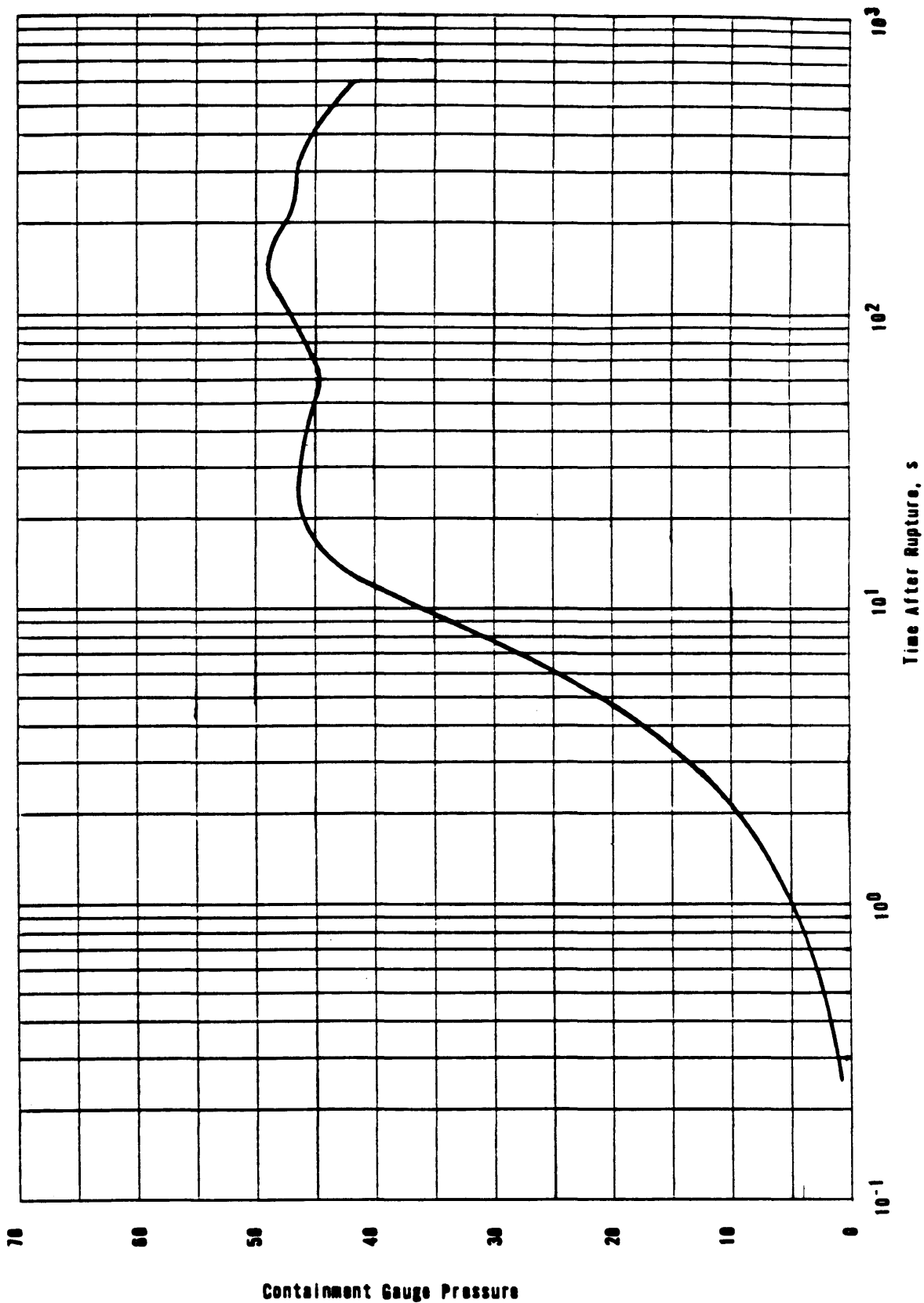


REACTOR BUILDING IS MODE 12

22 BUILDING SPRAYS

<b>GPU Nuclear</b> <b>TMI Unit-1</b> Multinode Representation of Nuclear Steam Supply System	Update - 1
	7/82
	Fig. 6.6-1

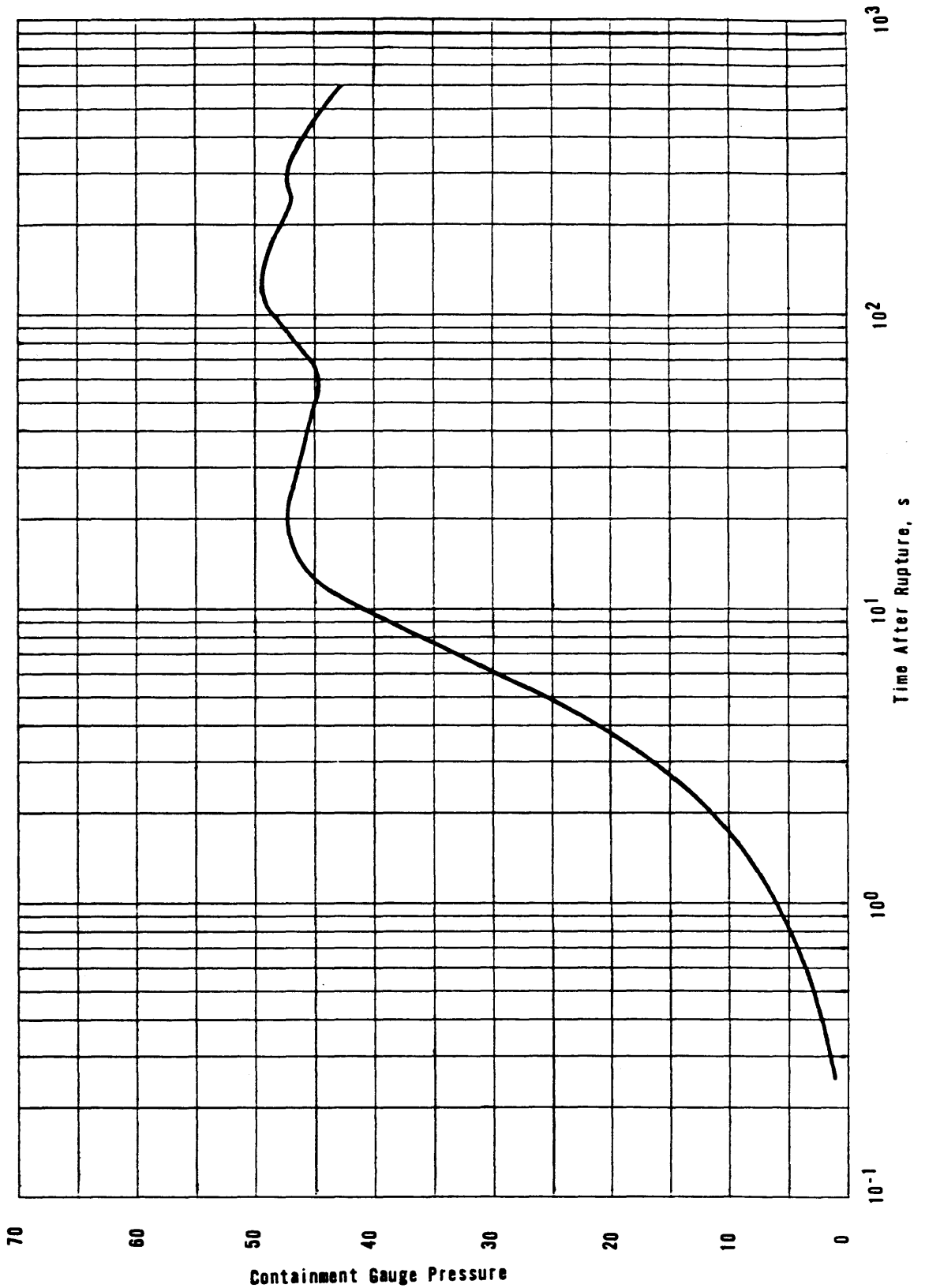
p. 6.FIG-13



Area = 8600 sq. in.

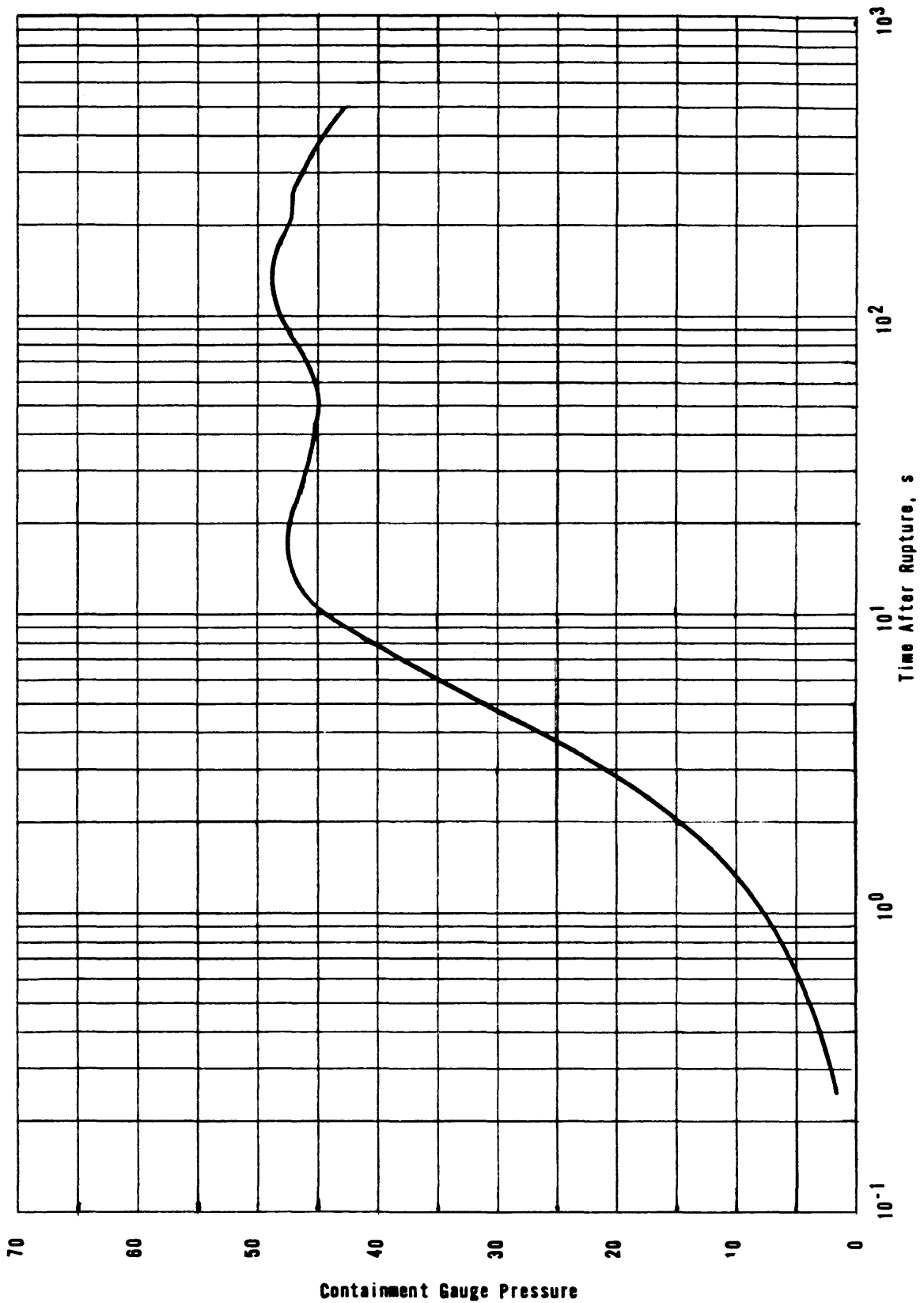
p. 6.FIG-14

<b>GPU Nuclear</b>	<b>Update - 1</b>
<b>TMI Unit-1</b>	<b>7/82</b>
Reactor Building Pressure Versus Time for 8.55 ft <sup>2</sup> Cold Leg Break (Pump Suction)	
Fig. 6.6-2	




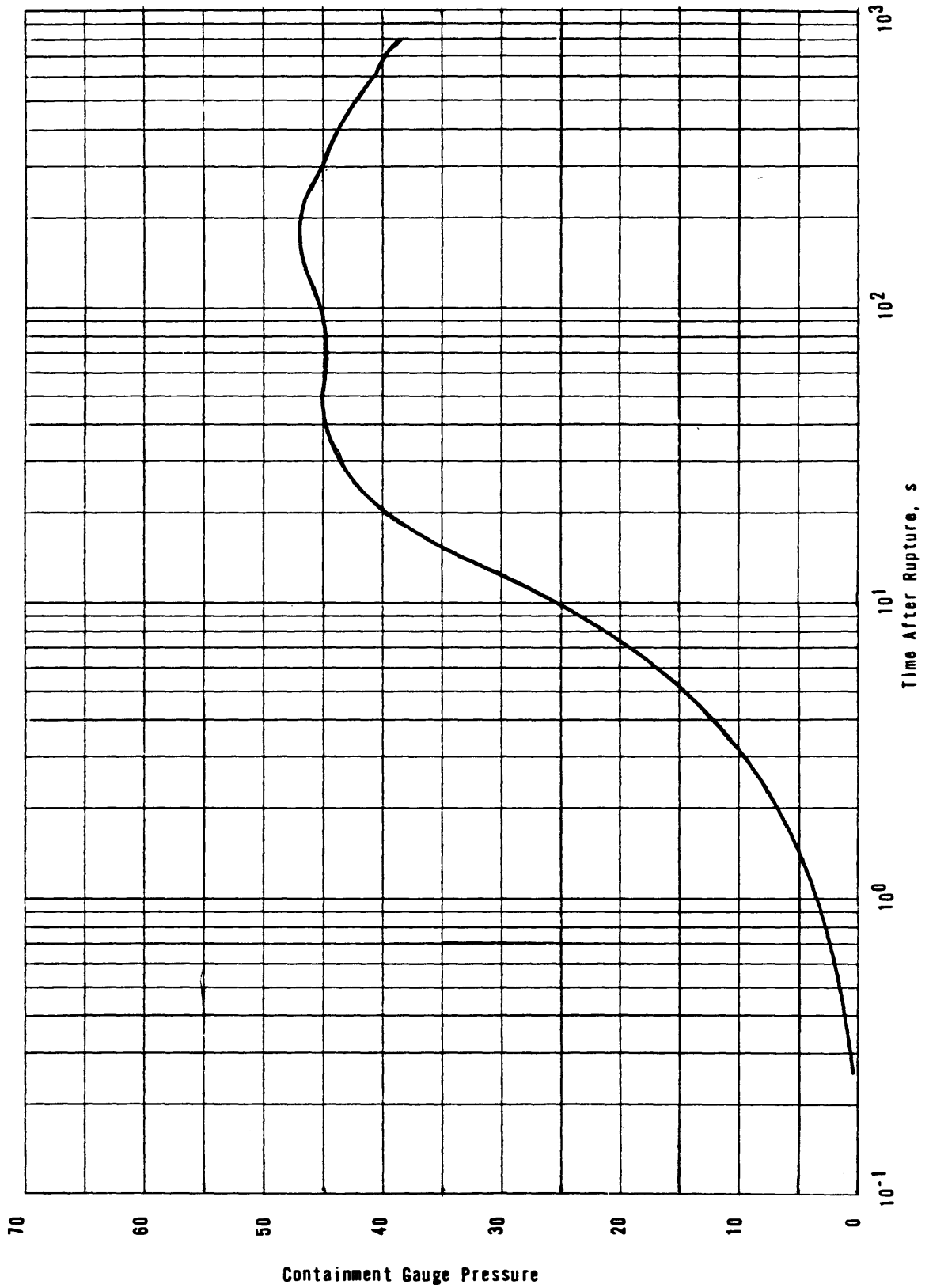
p. 6.FIG-15

<b>GPU Nuclear</b>	Update - 1
<b>TMI Unit-1</b>	7/82
Reactor Building Pressure Versus Time for 7.0 ft <sup>2</sup> Cold Leg Break (Pump Suction)	
Fig. 6.6-3	



p. 6.FIG-16

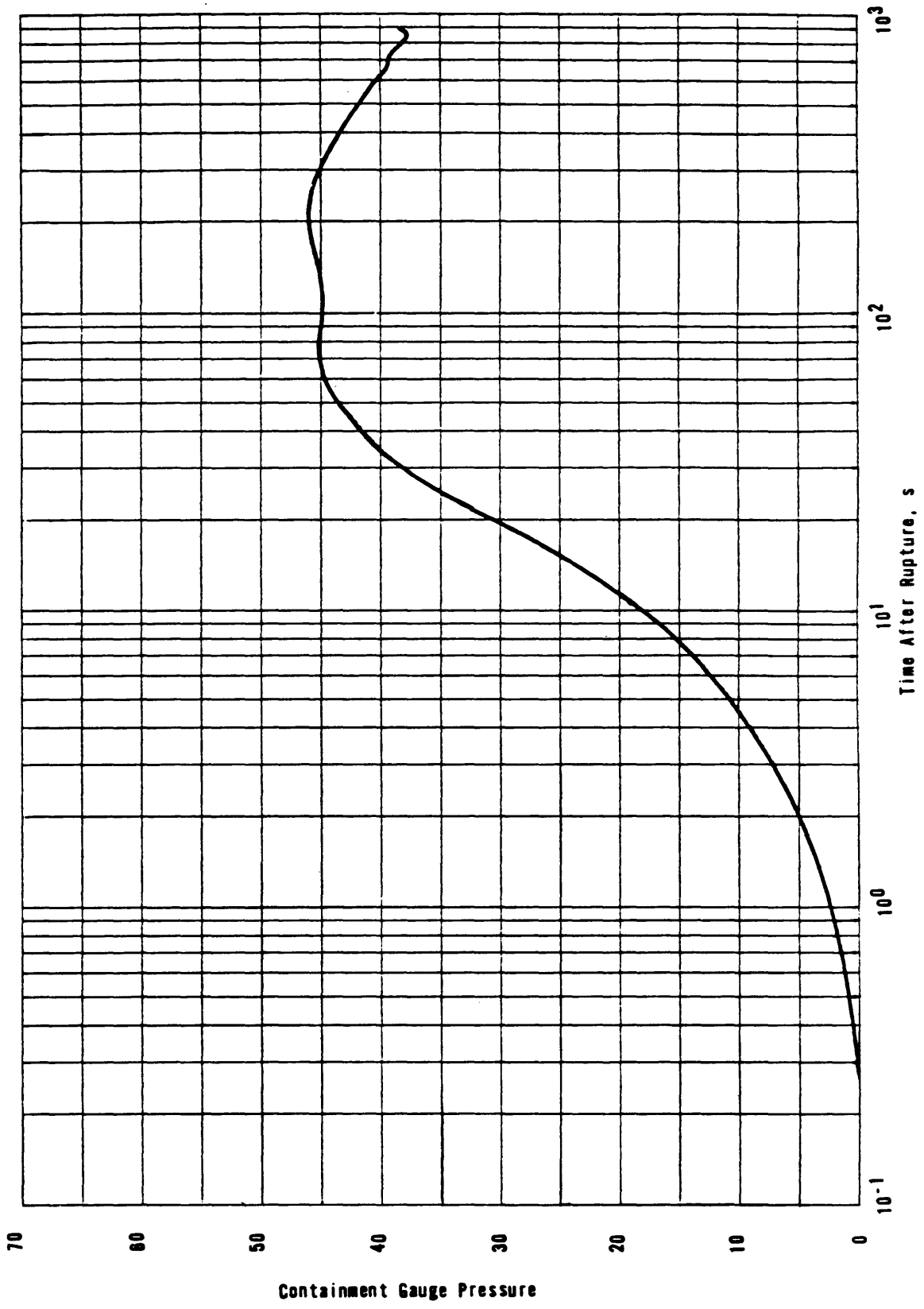
 <b>Nuclear</b> <b>TMI Unit-1</b>	Update - 1
	7/82
Reactor Building Pressure Versus Time for 5.13 ft <sup>2</sup> Cold Leg Break (Pump Suction)	
Fig. 6.6-4	



p. 6.FIG-17

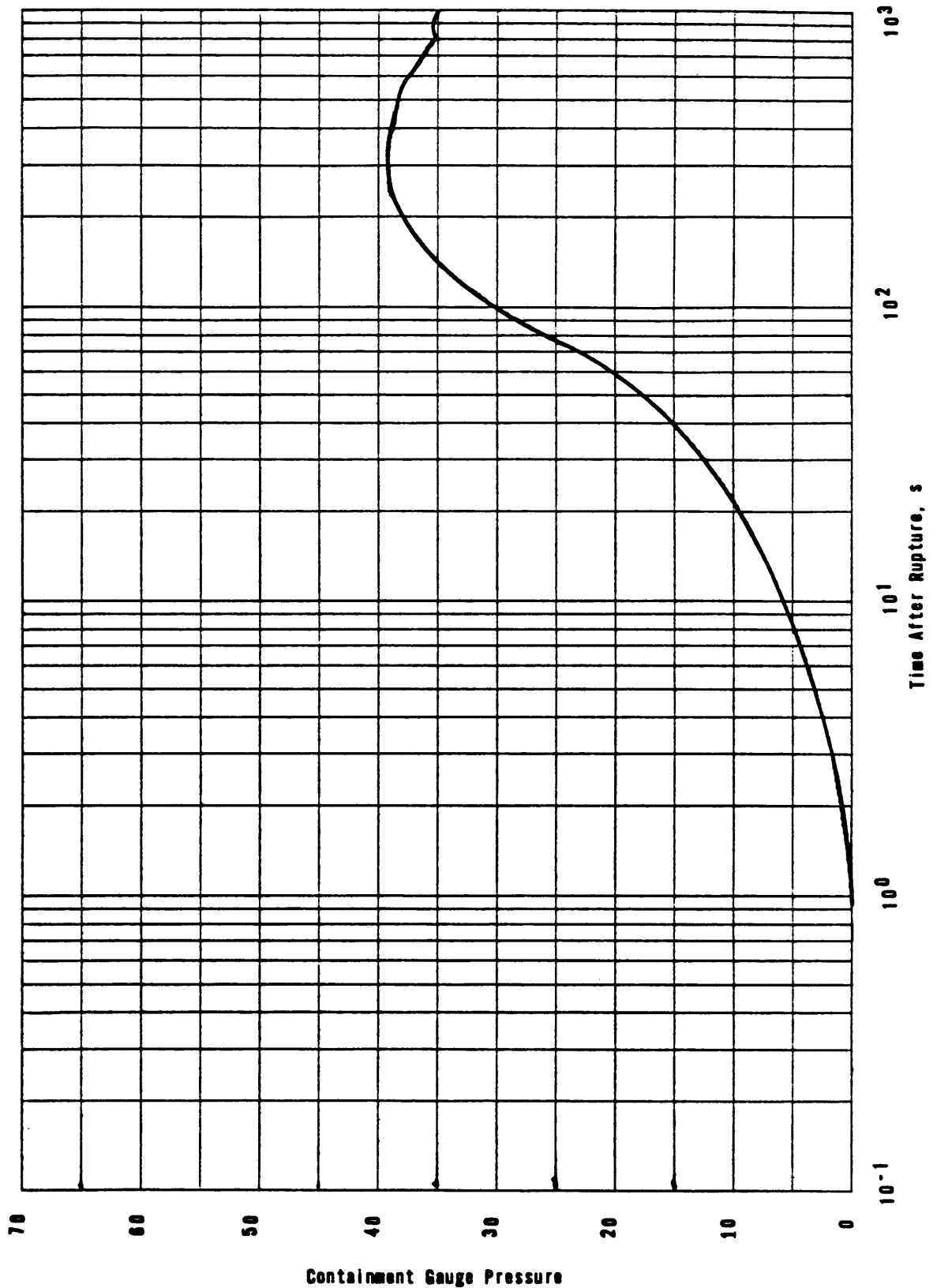
<b>GPU Nuclear</b>	<b>Update - 1</b>
<b>TMI Unit-1</b>	<b>7/82</b>
Reactor Building Pressure Versus Time for 3.0 ft <sup>2</sup> Cold Leg Break (Pump Suction)	
Fig. 6.6-5	





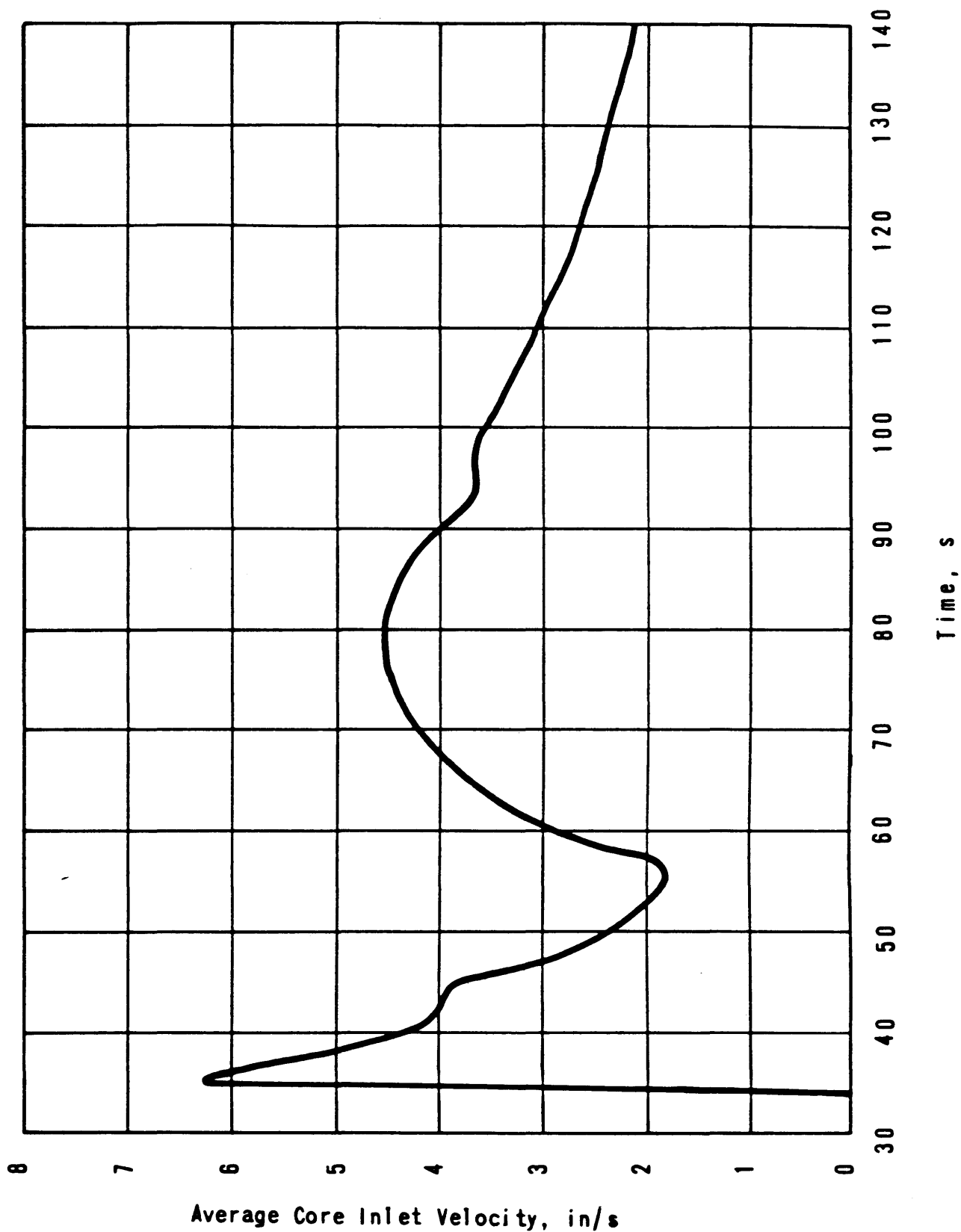
p. 6.FIG-18

<b>GPU Nuclear</b>	Update -1
<b>TMI Unit-1</b>	7/82
Reactor Building Pressure Versus Time for 2.0 ft <sup>2</sup> Cold Leg Break (Pump Suction)	
Fig. 6.6-6	



p. 6.FIG-19

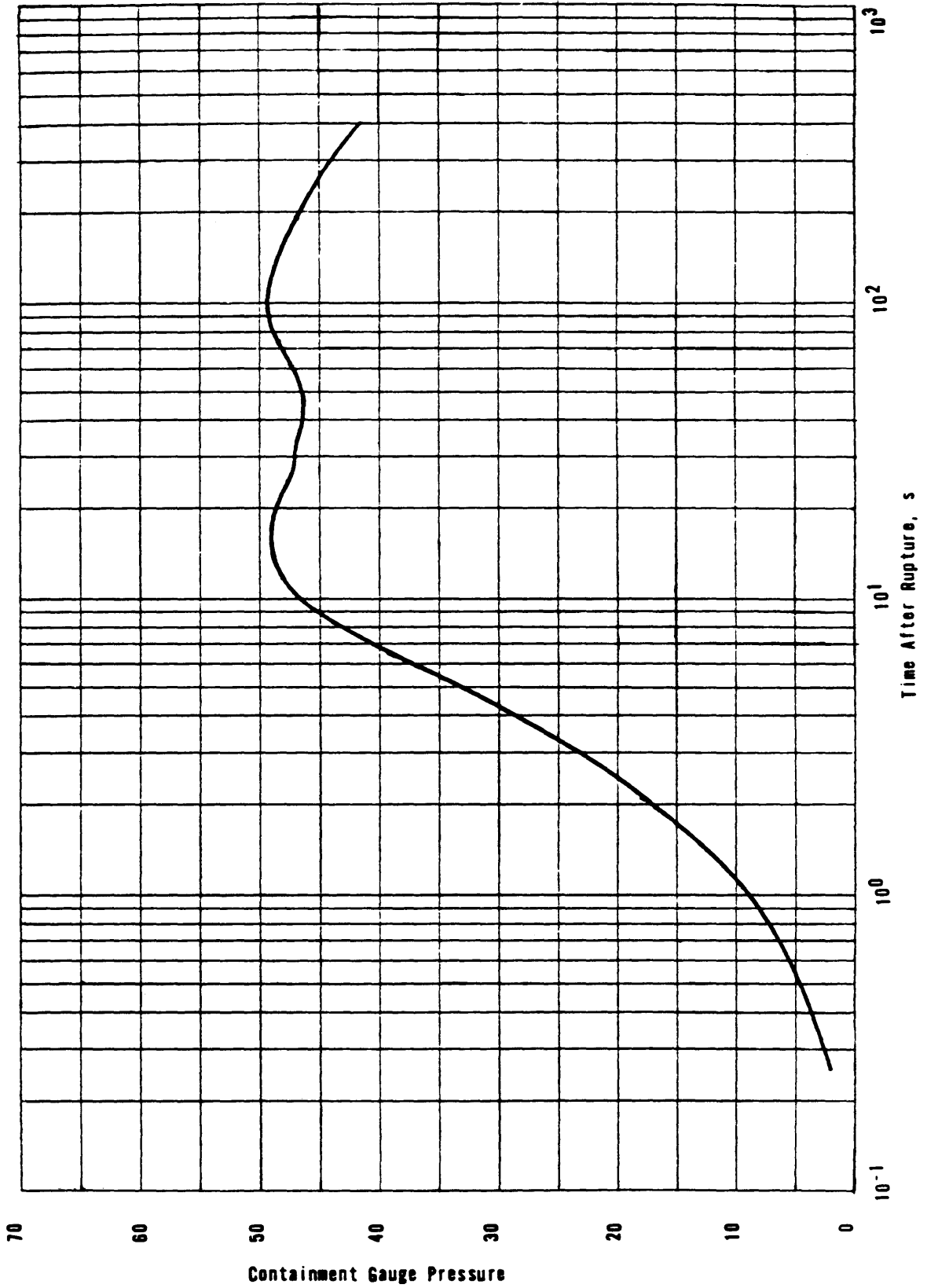
<b>GPU Nuclear</b> <b>TMI Unit-1</b>	Update -1
	7/82
Reactor Building Pressure Versus Time for 0.5 ft <sup>2</sup> Cold Leg Break (Pump Suction)	
Fig. 6.6-7	



Average Core Inlet Velocity, in/s

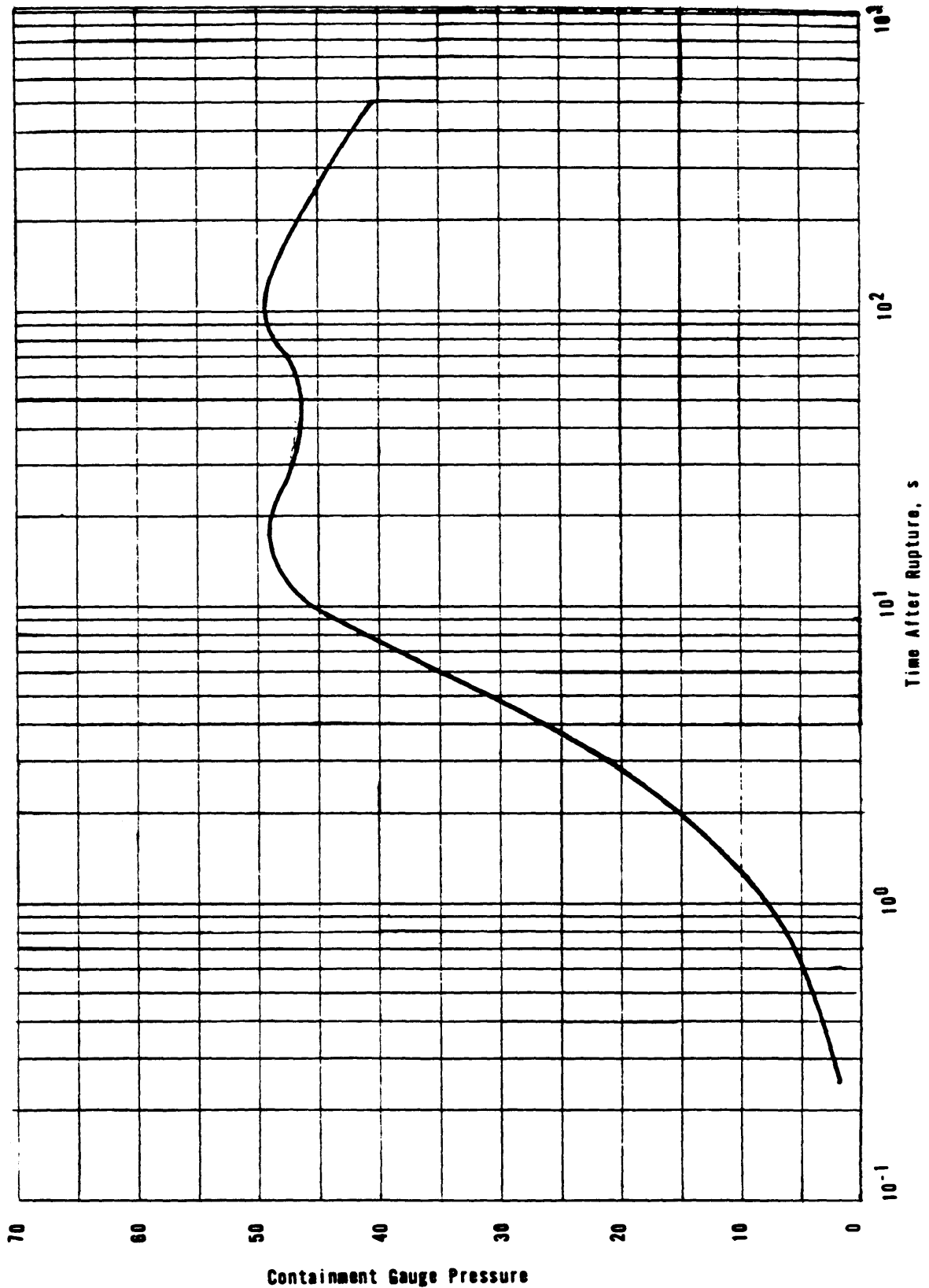
p. 6.FIG-20

<b>GPJ Nuclear</b> <b>TMI Unit-1</b> Average Core Inlet Velocity Versus Time for a 7.0 ft <sup>2</sup> Cold Leg Break (Pump Suction)	<b>Update -1</b>
	<b>7/82</b>
Fig. 6.6-8	



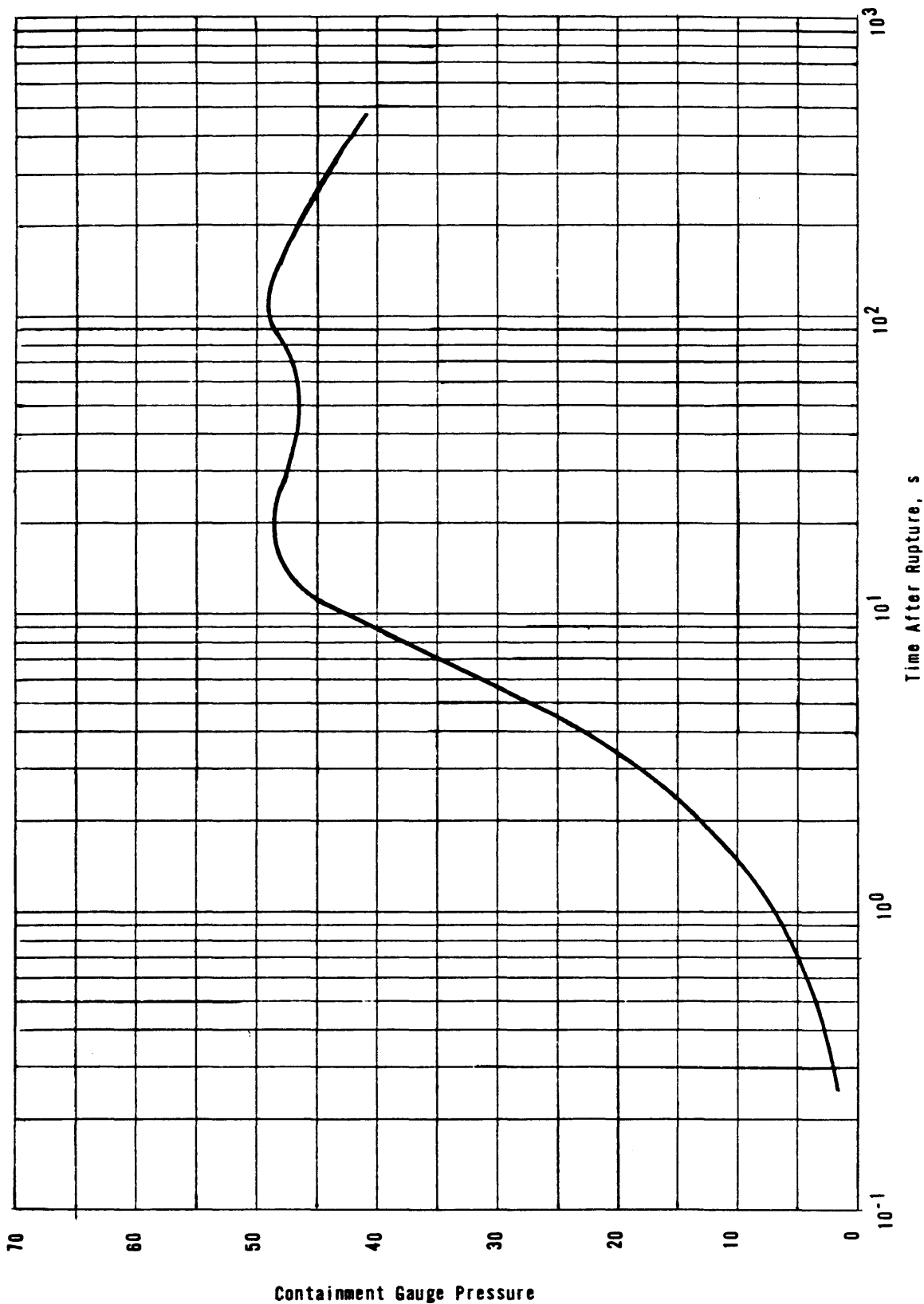
p. 6.FIG-21

<b>GPU Nuclear</b> <b>TMI Unit-1</b>	Update - 1
	7/82
Reactor Building Pressure Versus Time for 14.1 ft <sup>2</sup> Hot Leg Break	
Fig. 6.6-9	



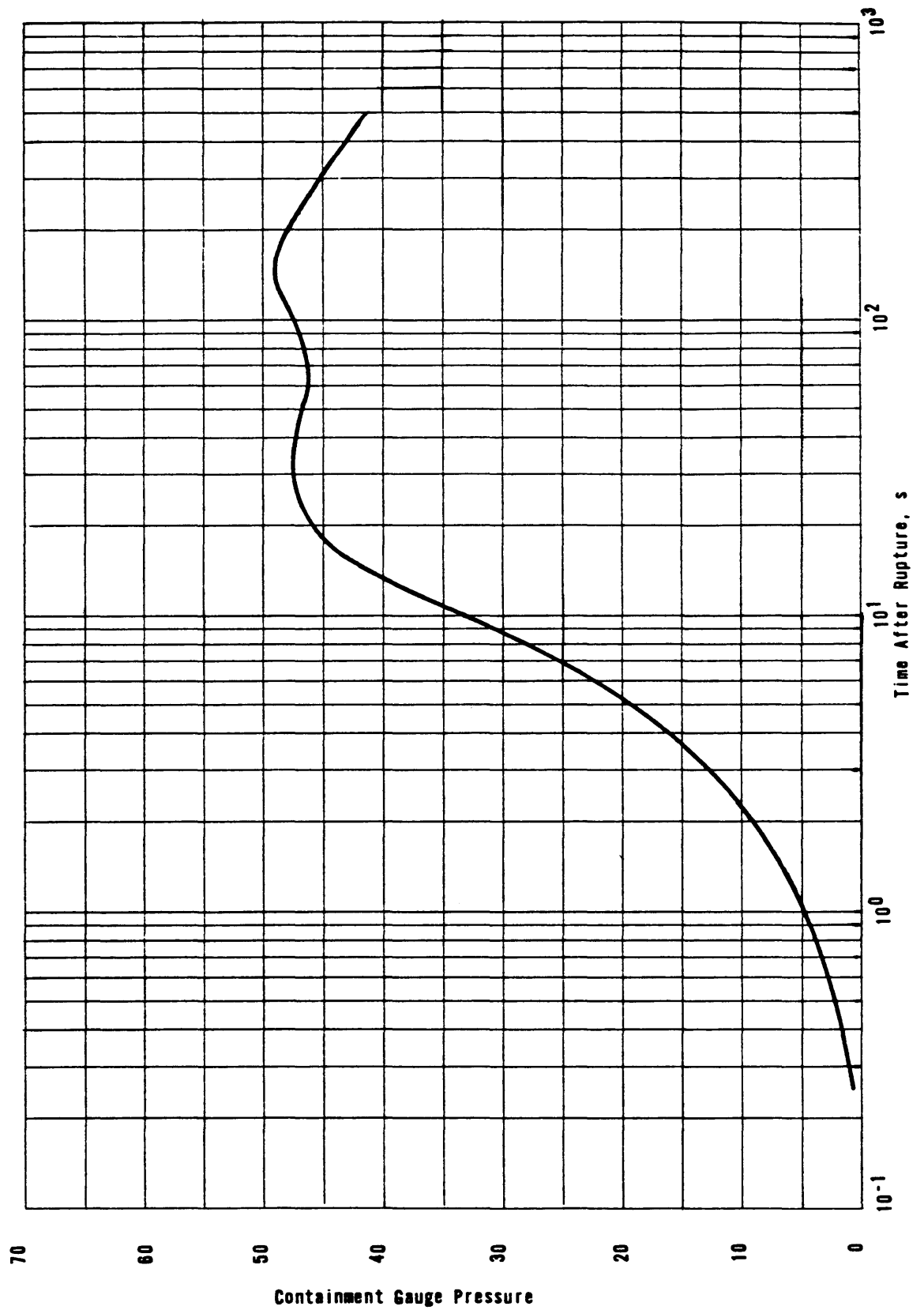
p. 6.FIG-22

<b>GPU Nuclear</b>	<b>Update - 1</b>
<b>TMI Unit-1</b>	<b>7/82</b>
Reactor Building Pressure Versus Time for 11.0 ft <sup>2</sup> Hot Leg Break	
Fig. 6.6-10	



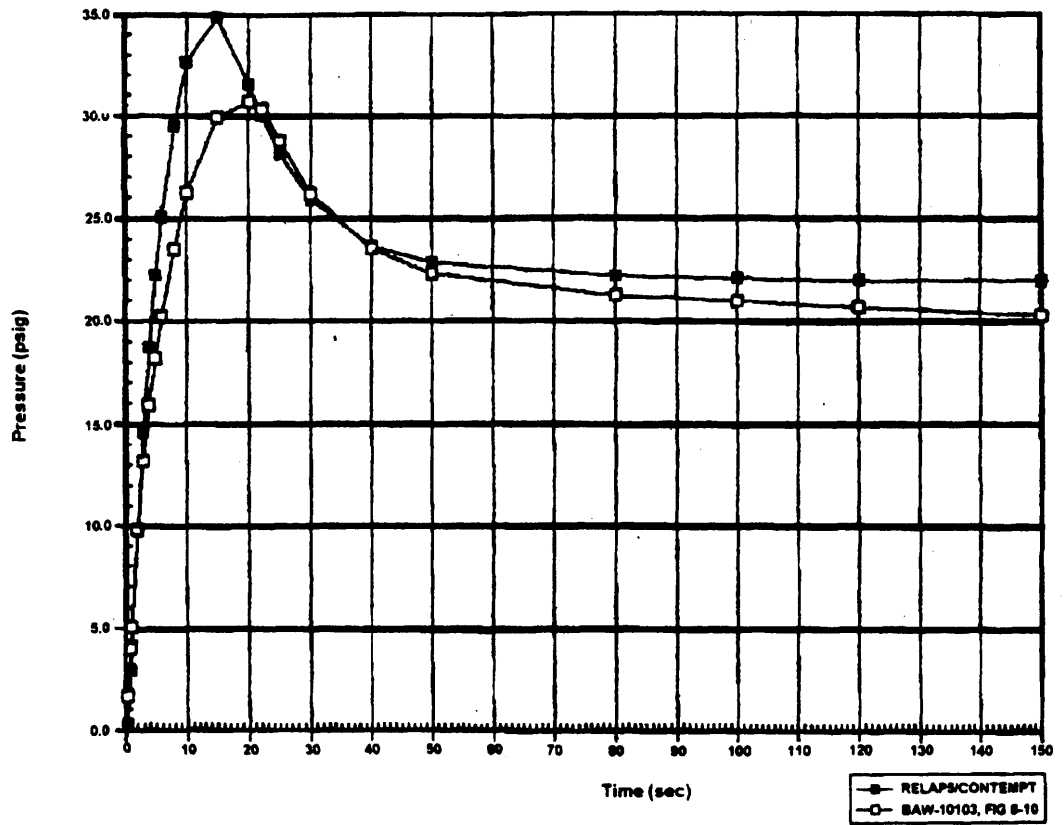
p. 6.FIG-23


<b>GPU Nuclear</b>	<b>Update - 1</b>
<b>TMI Unit-1</b>	<b>7/82</b>
Reactor Building Pressure Versus Time for 8.55 ft <sup>2</sup> Hot Leg Break	
Fig. 6.6-11	



p. 6.FIG-24

<b>GPU Nuclear</b> <b>TMI Unit-1</b> Reactor Building Pressure Versus Time for 5.0 ft <sup>2</sup> Hot Leg Break	Update - 1
	7/82
	Fig. 6.6-12





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TMI - UNIT I

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MINIMUM CONTAINMENT BACKPRESSURE

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FIG 6.6-13