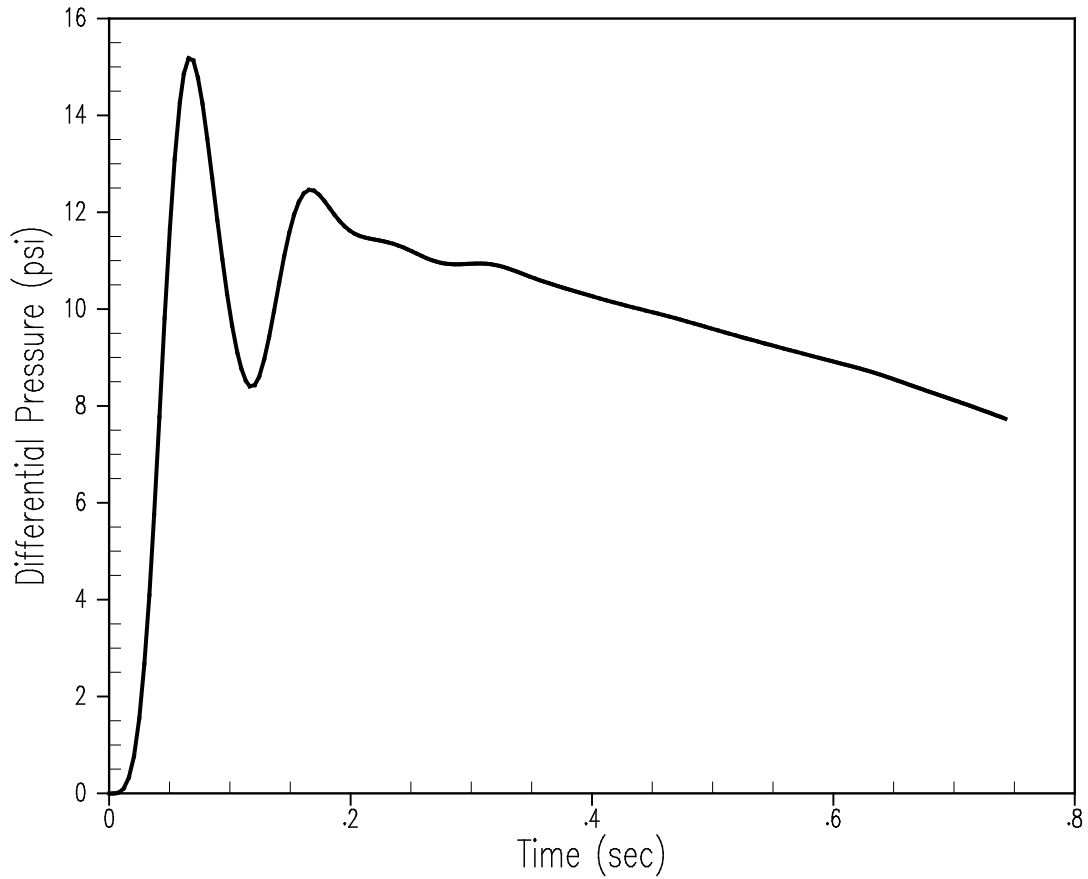


UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

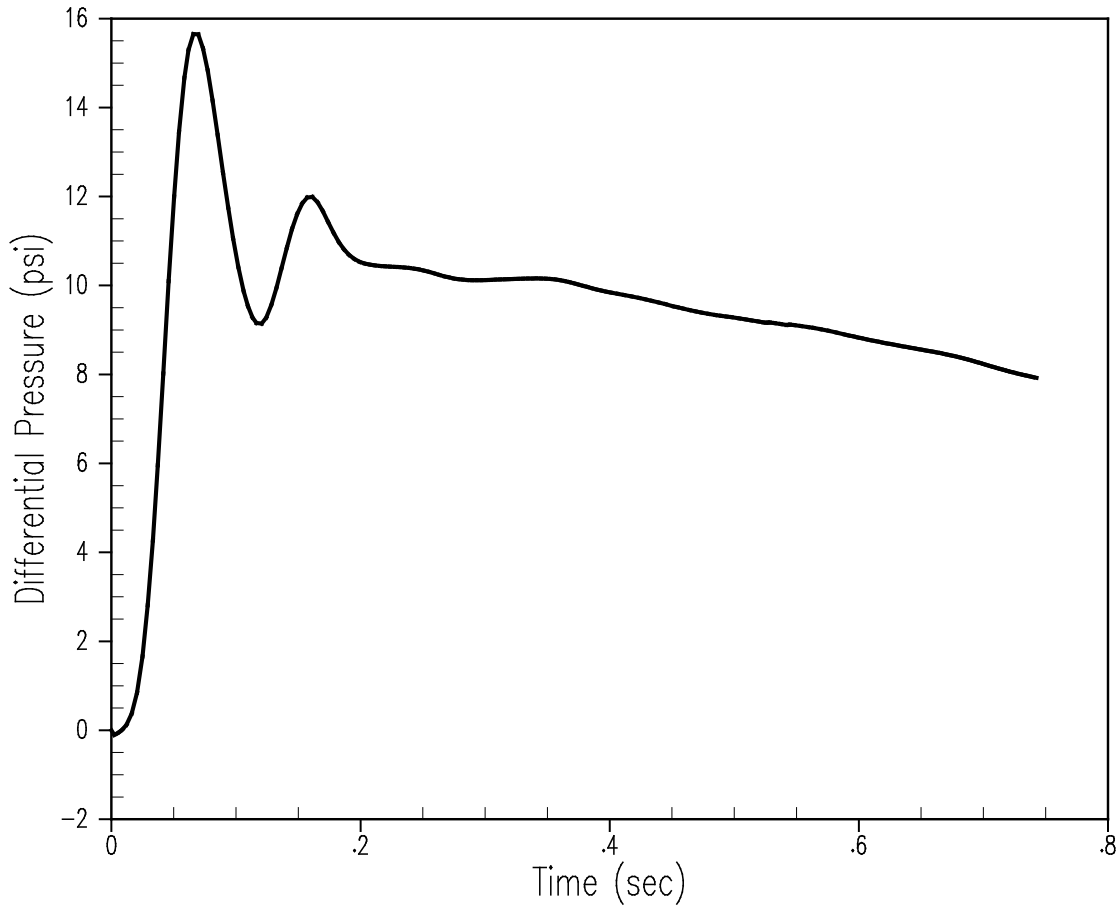
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 27 - 29**

UFSAR Figure: **14.3.4-76**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

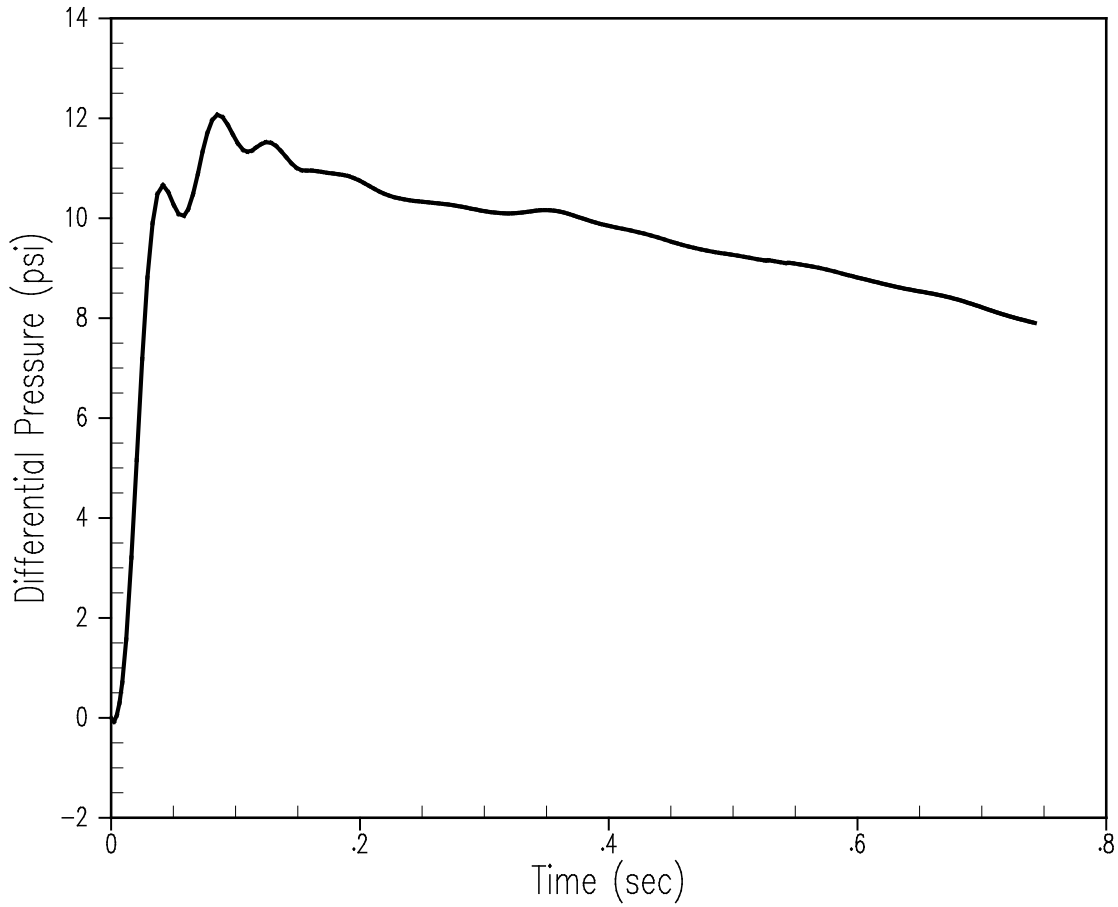
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements : 27 - 42**

UFSAR Figure: **14.3.4-77**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

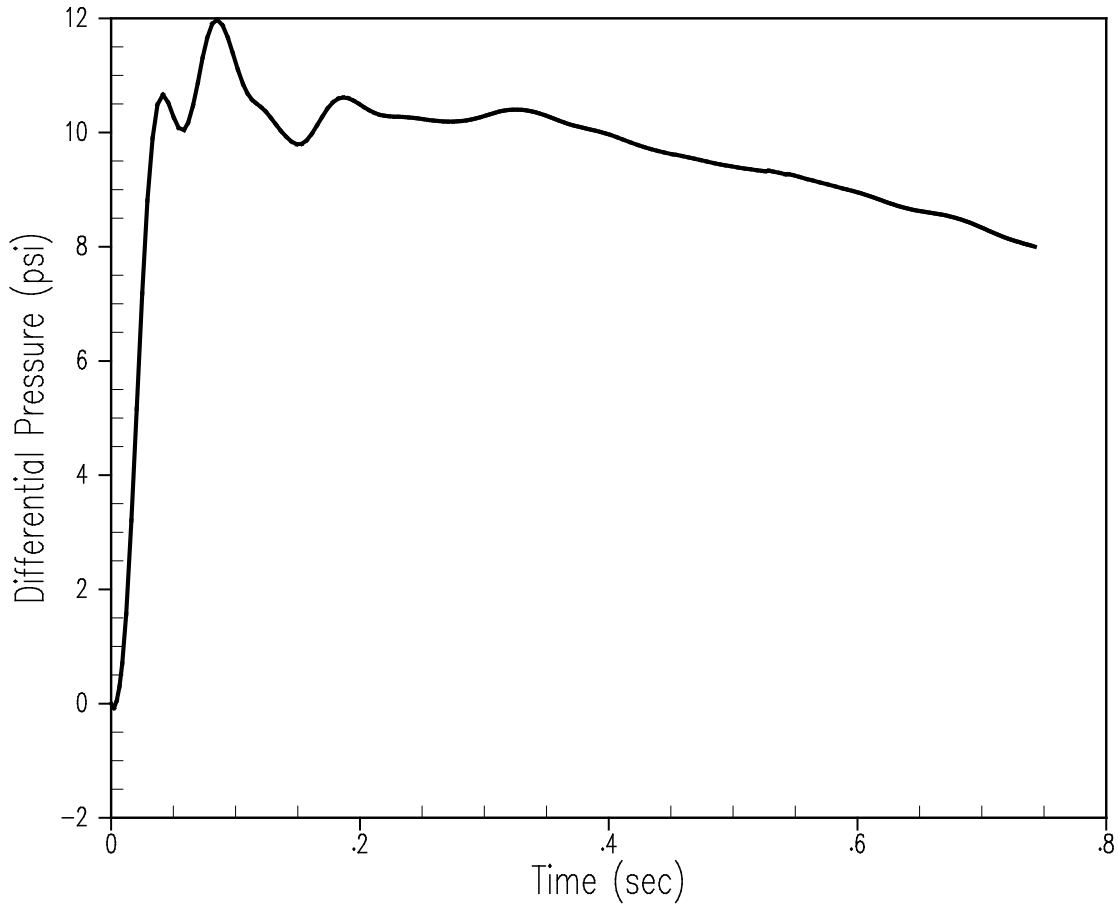
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 54 - 42**

UFSAR Figure: **14.3.4-78**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

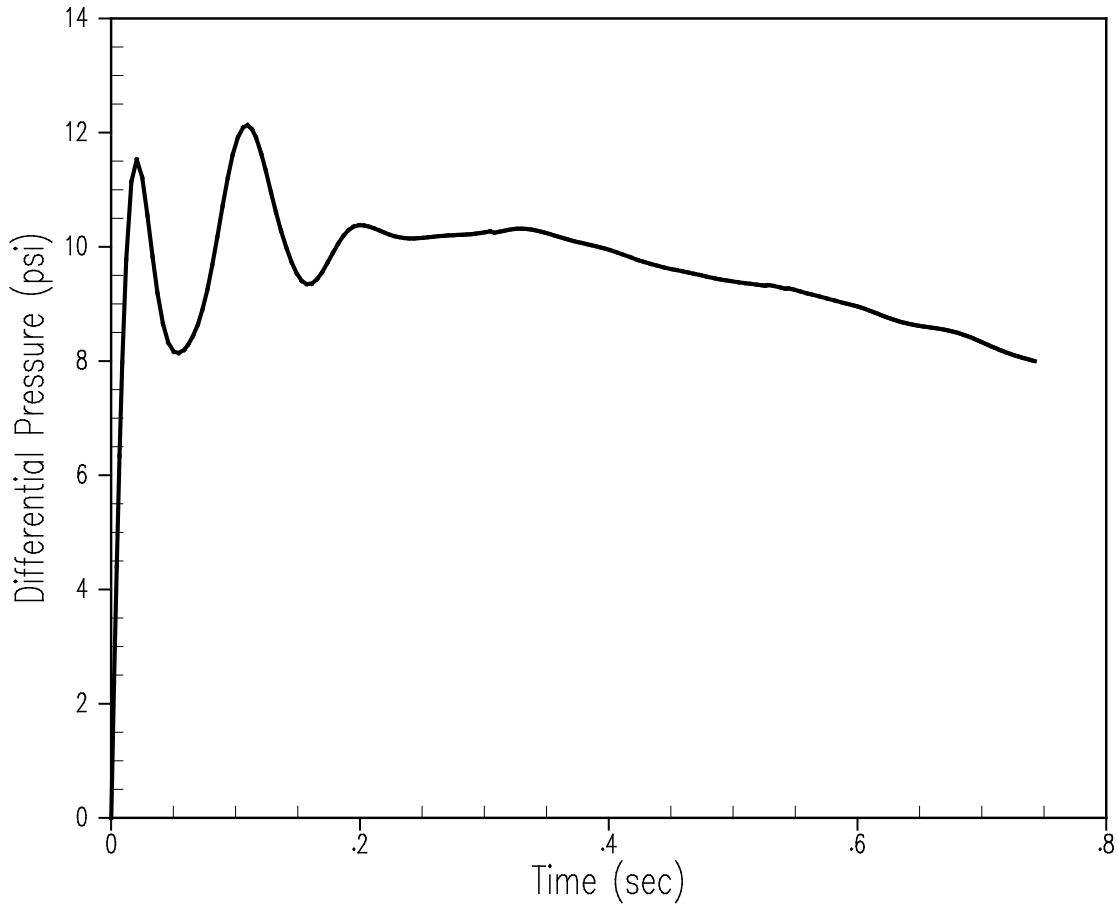
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 54 - 41**

UFSAR Figure: **14.3.4-79**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

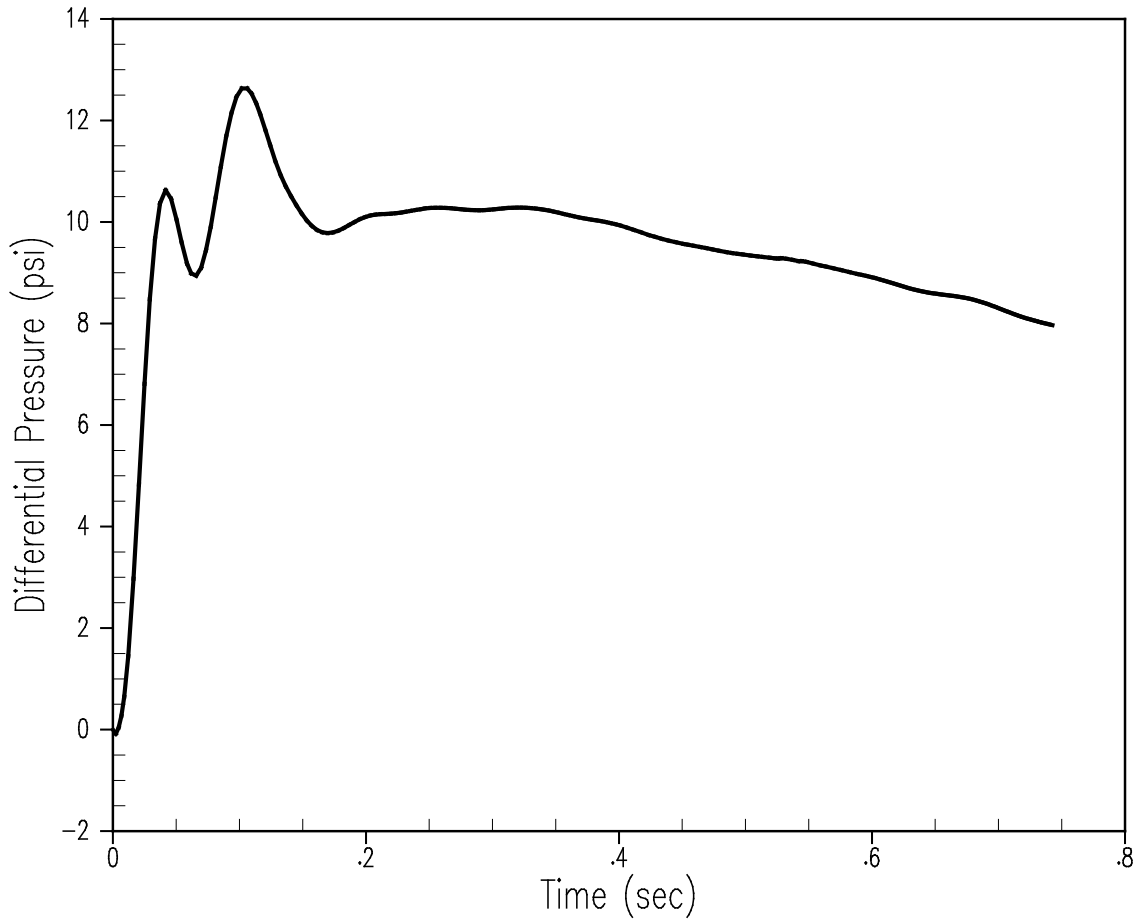
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 55 -41**

UFSAR Figure: **14.3.4-80**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

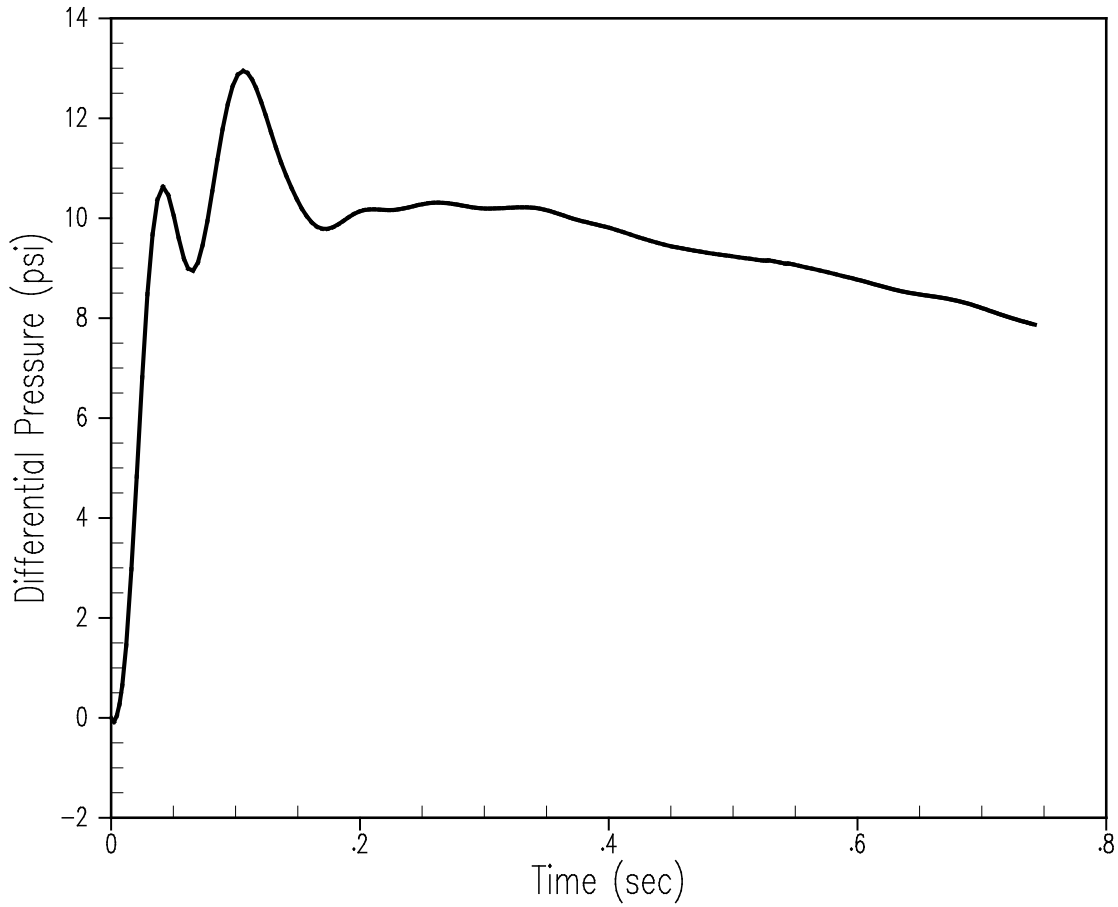
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 56 - 41**

UFSAR Figure: **14.3.4-81**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

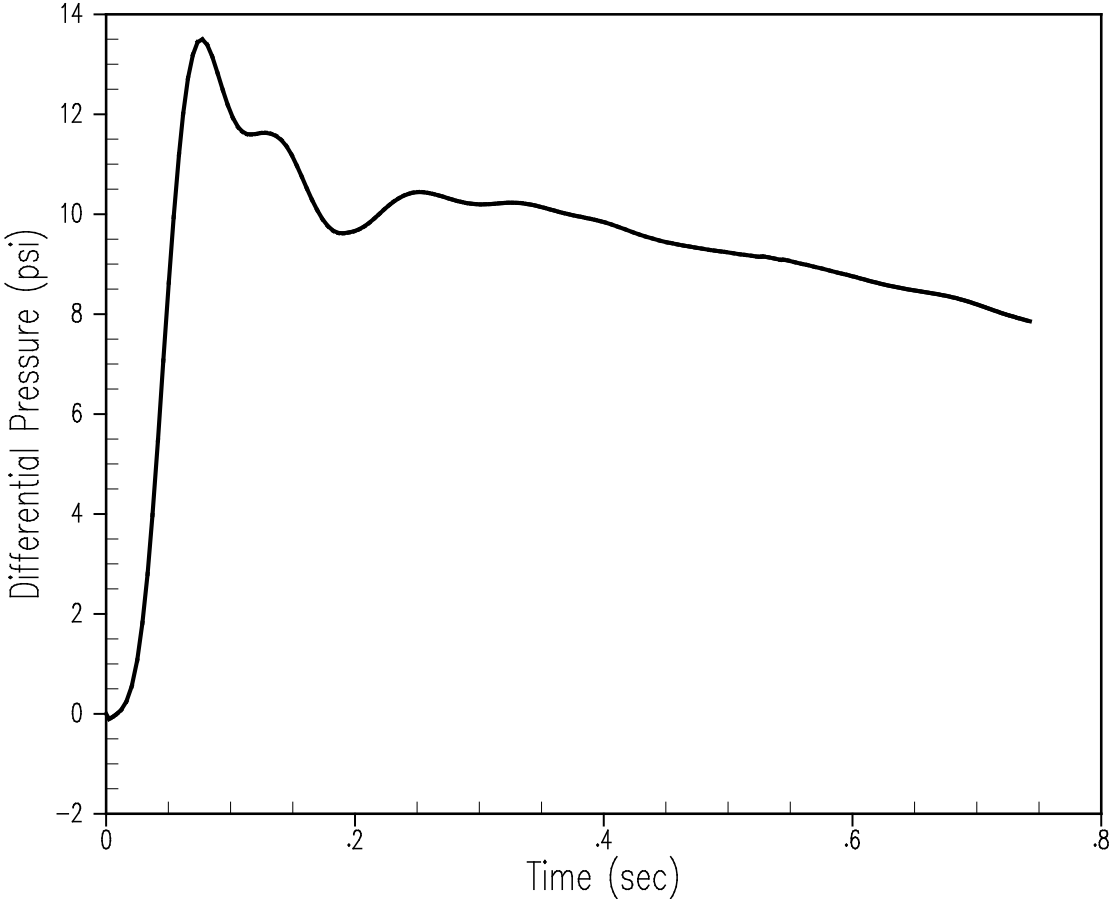
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 56 - 40**

UFSAR Figure: **14.3.4-82**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

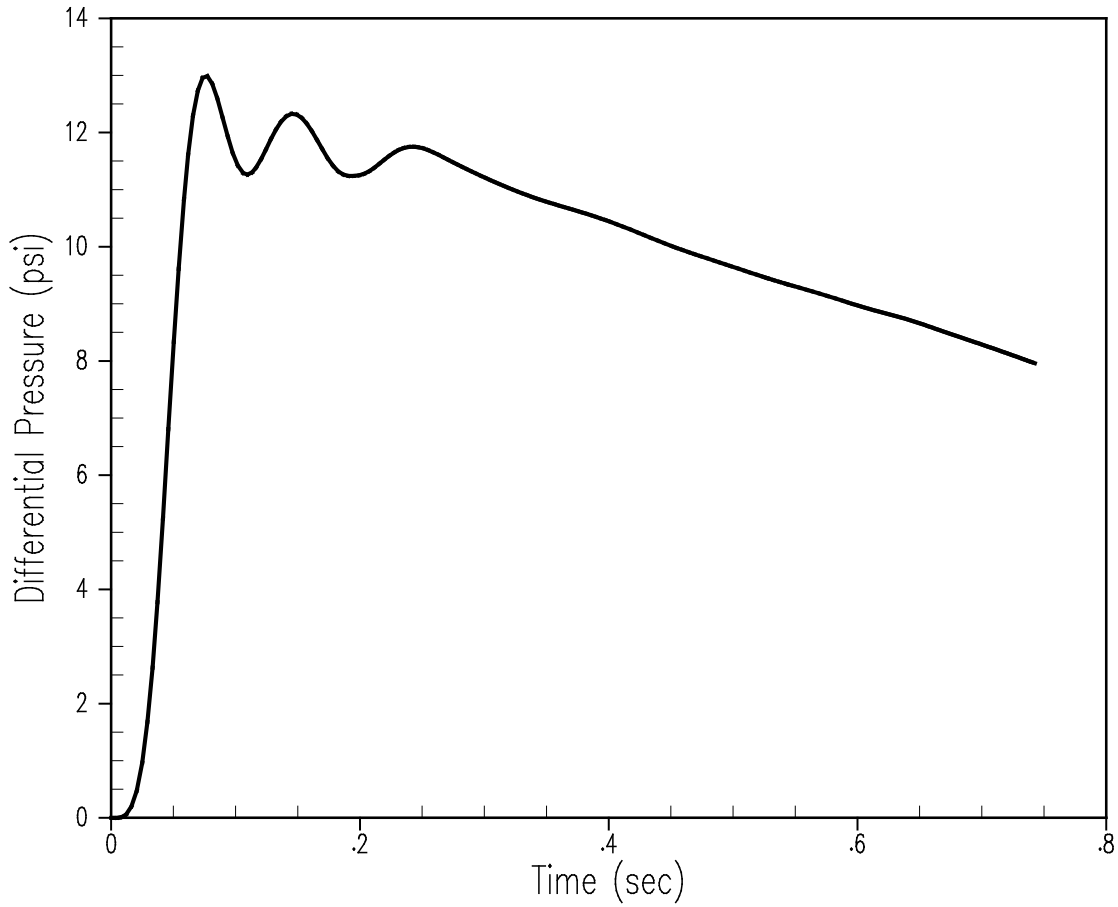
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 57 - 40**

UFSAR Figure: **14.3.4-83**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

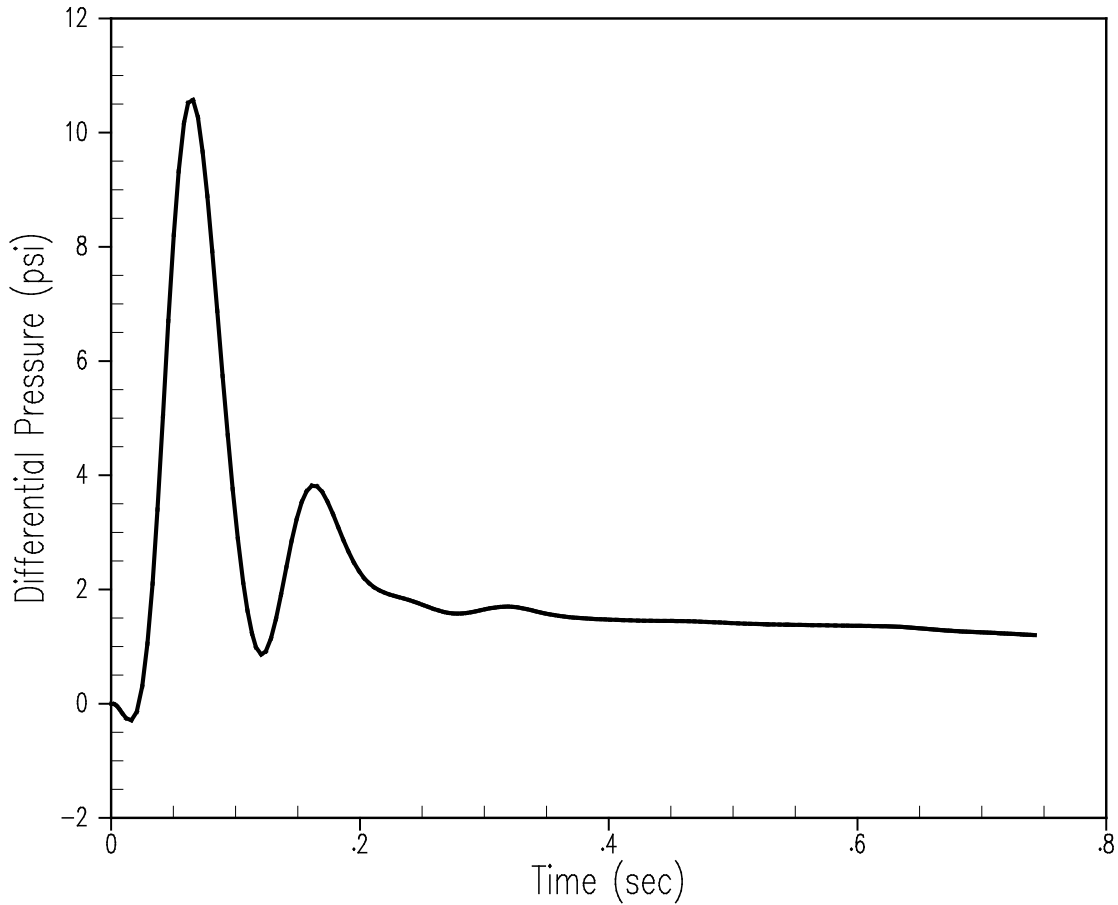
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 57 - 25**

UFSAR Figure: **14.3.4-84**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

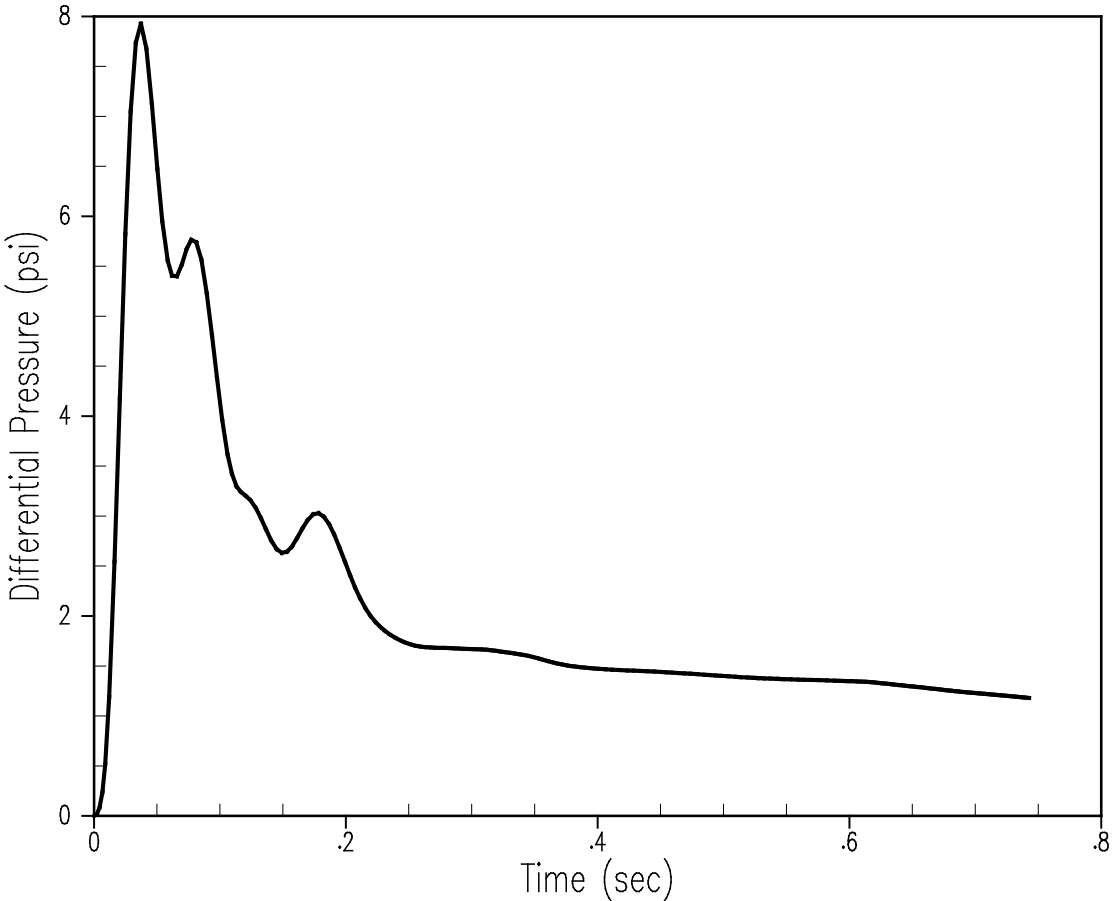
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 27 - 28**

UFSAR Figure: **14.3.4-85**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

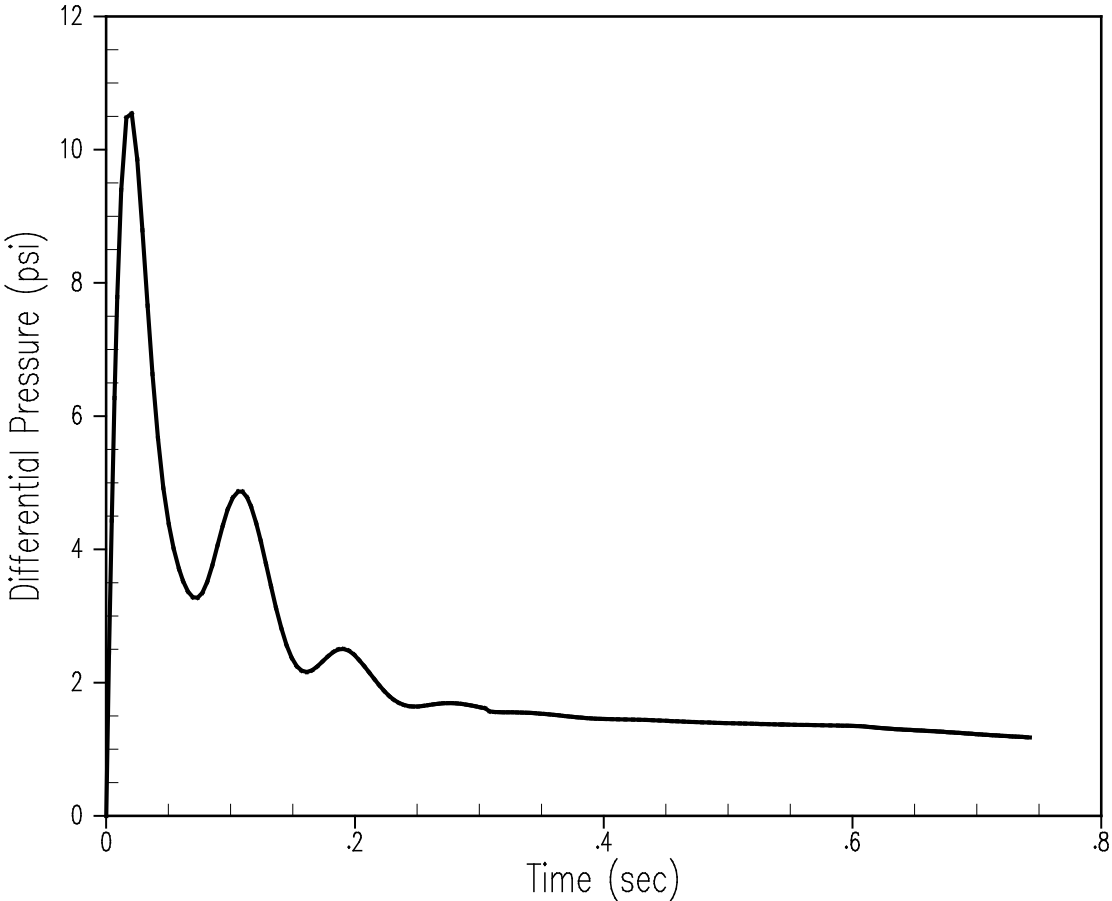
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 54 - 28**

UFSAR Figure: **14.3.4-86**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

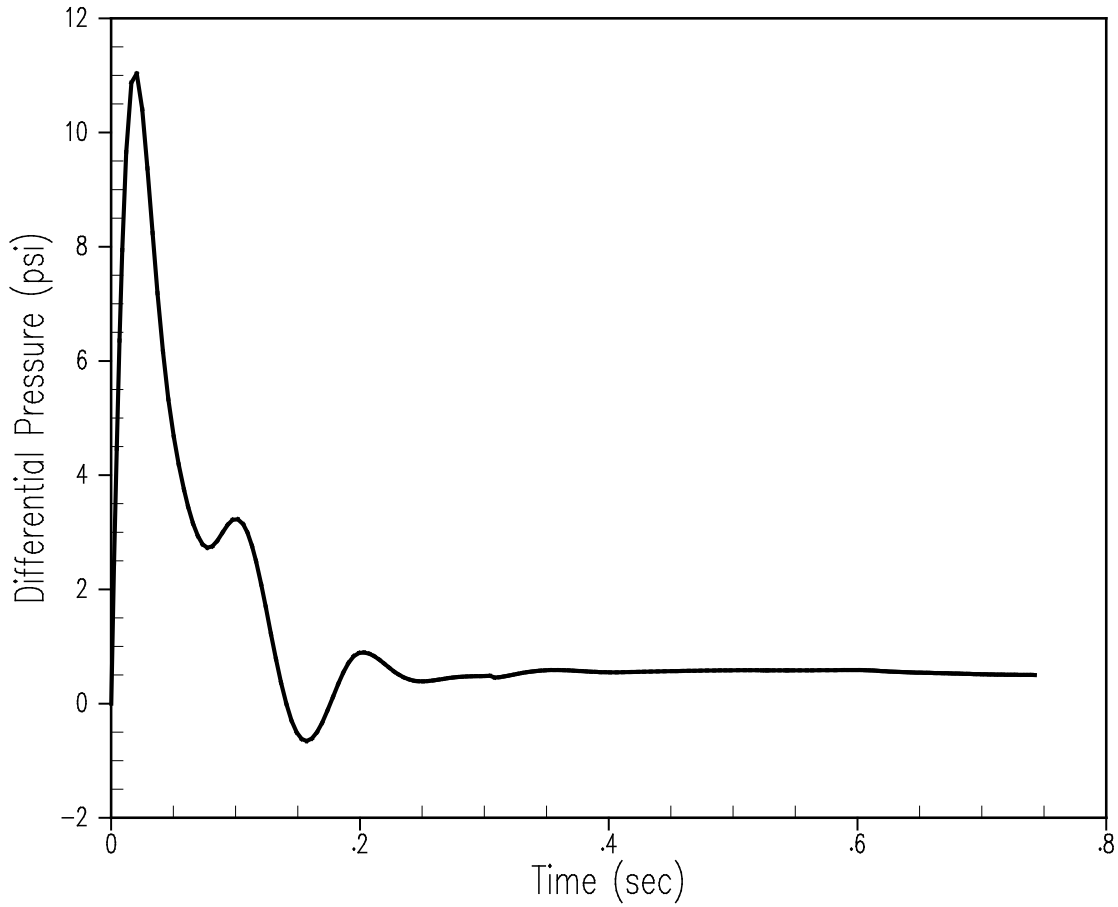
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 55 - 28**

UFSAR Figure: **14.3.4-87**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

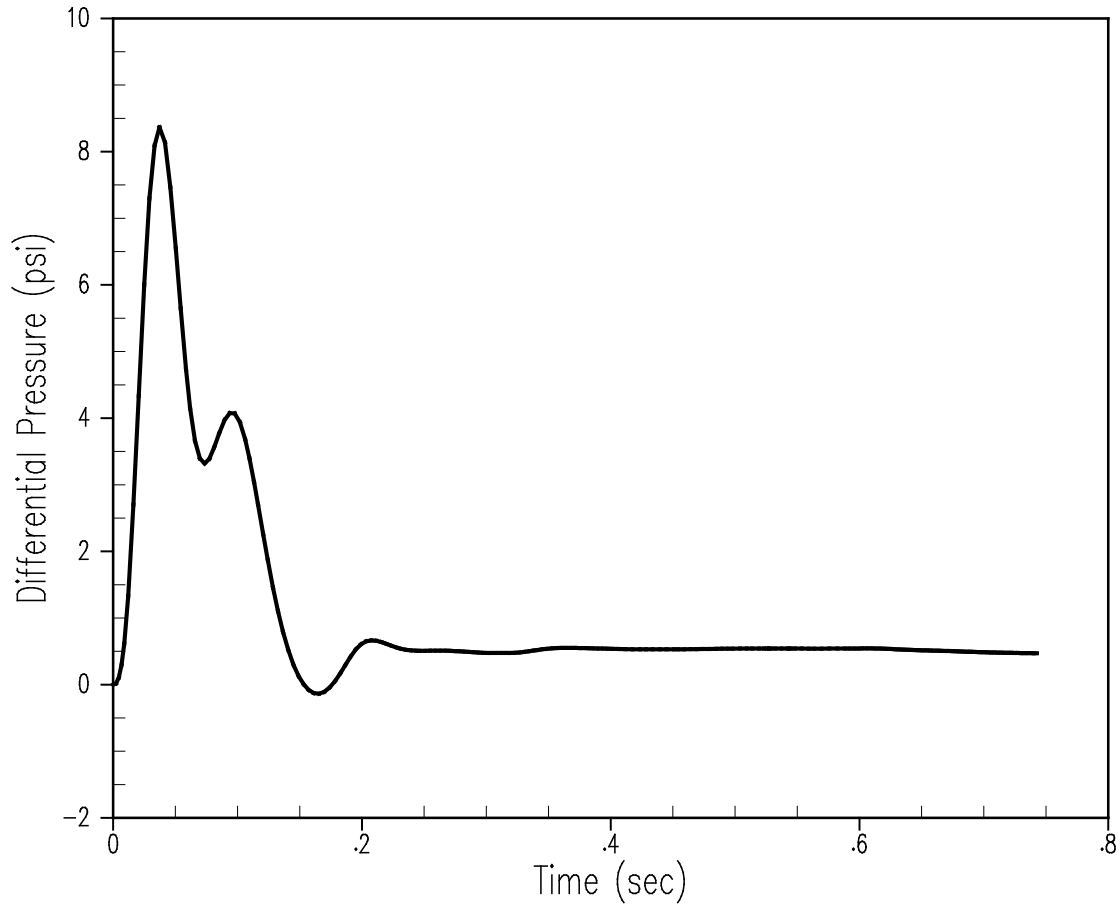
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 55 - 26**

UFSAR Figure: **14.3.4-88**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

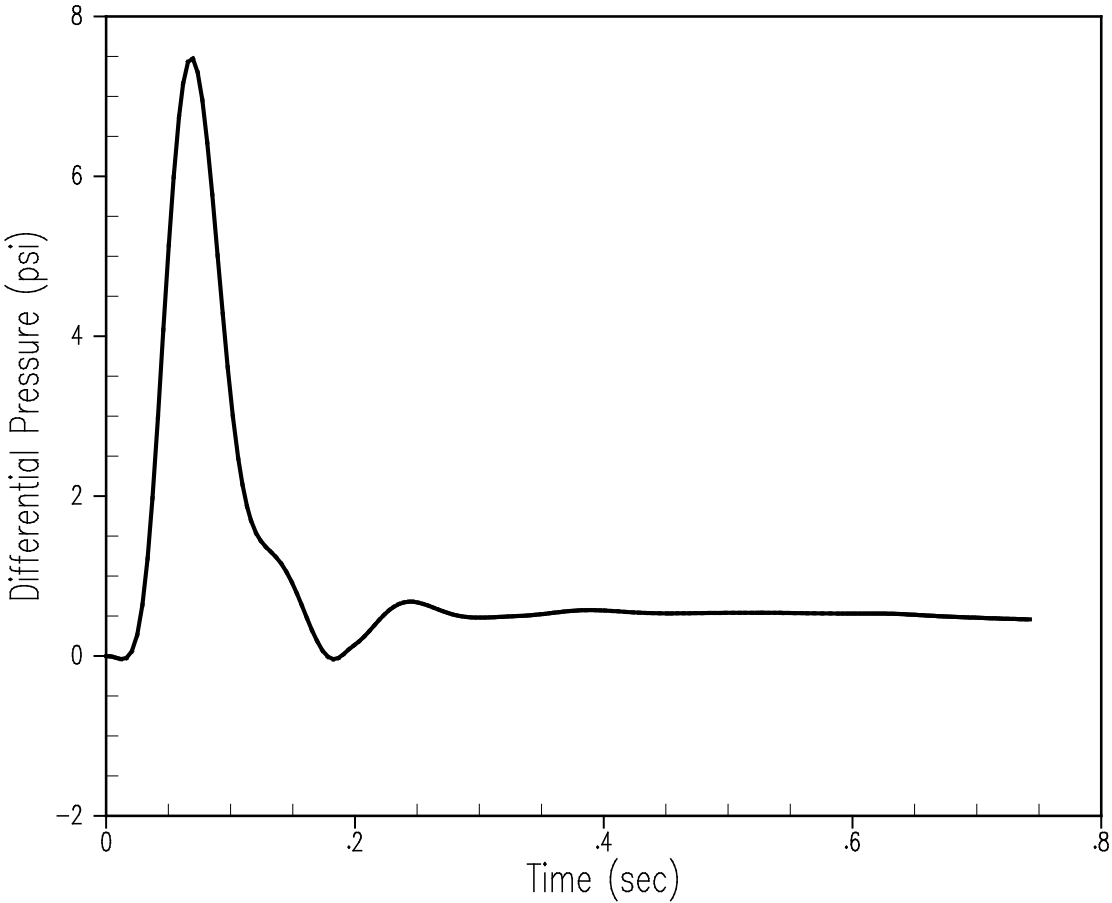
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 56 - 26**

UFSAR Figure: **14.3.4-89**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

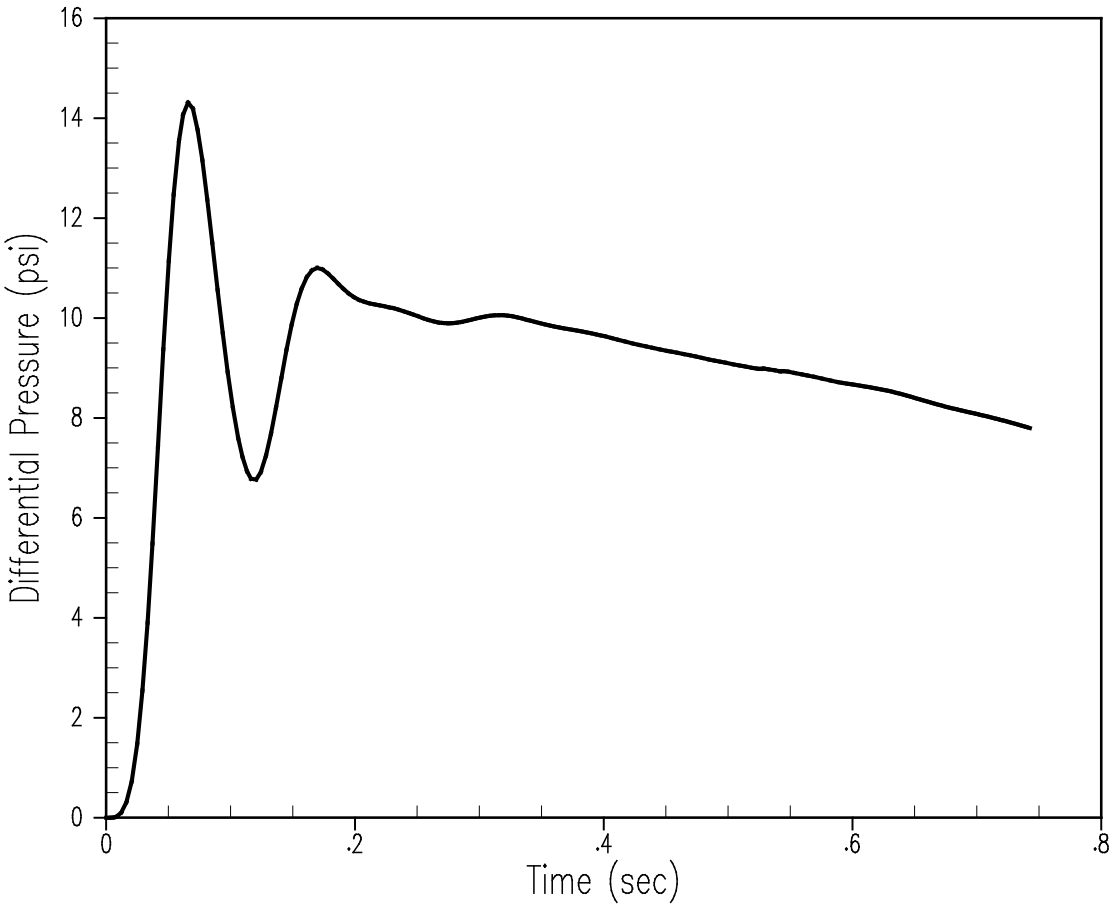
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 57 - 26**

UFSAR Figure: **14.3.4-90**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

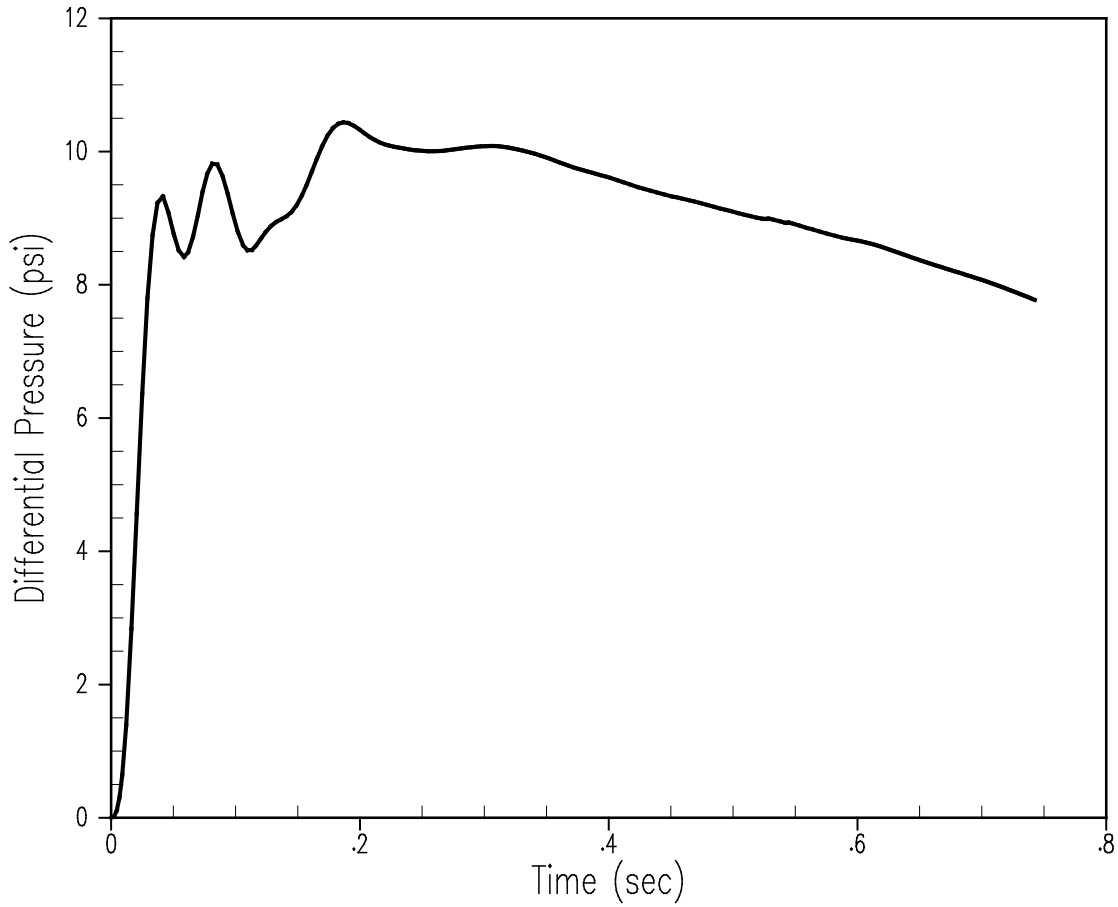
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 27 – 3**

UFSAR Figure: **14.3.4-91**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

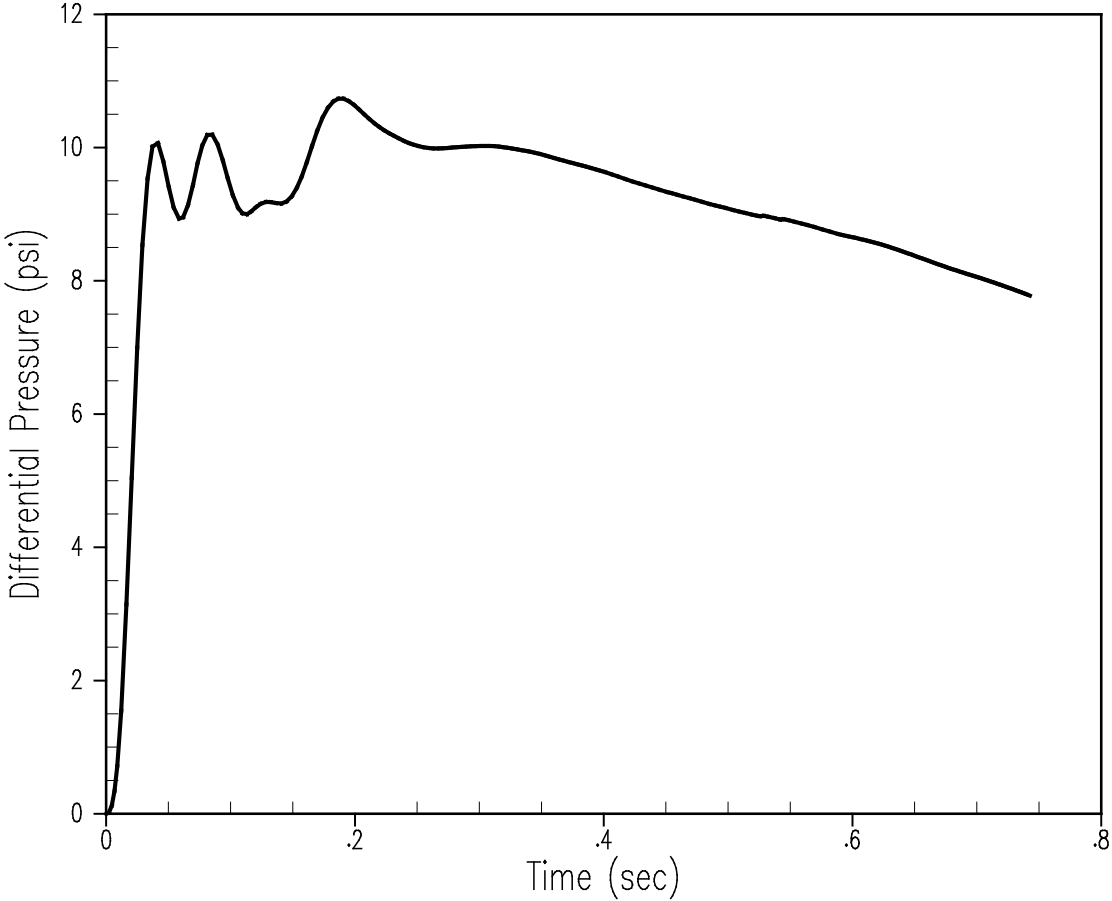
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 54 - 2**

UFSAR Figure: **14.3.4-92**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

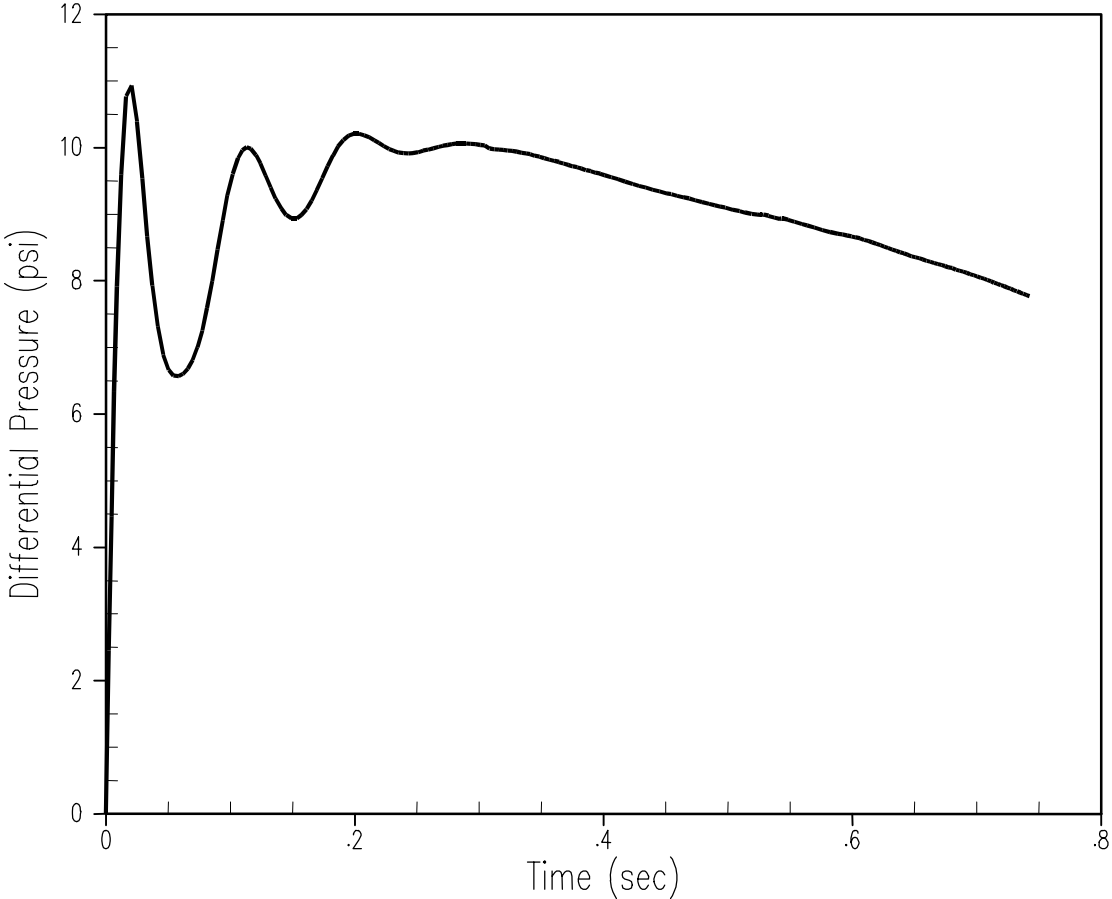
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 54 - 3**

UFSAR Figure: **14.3.4-93**

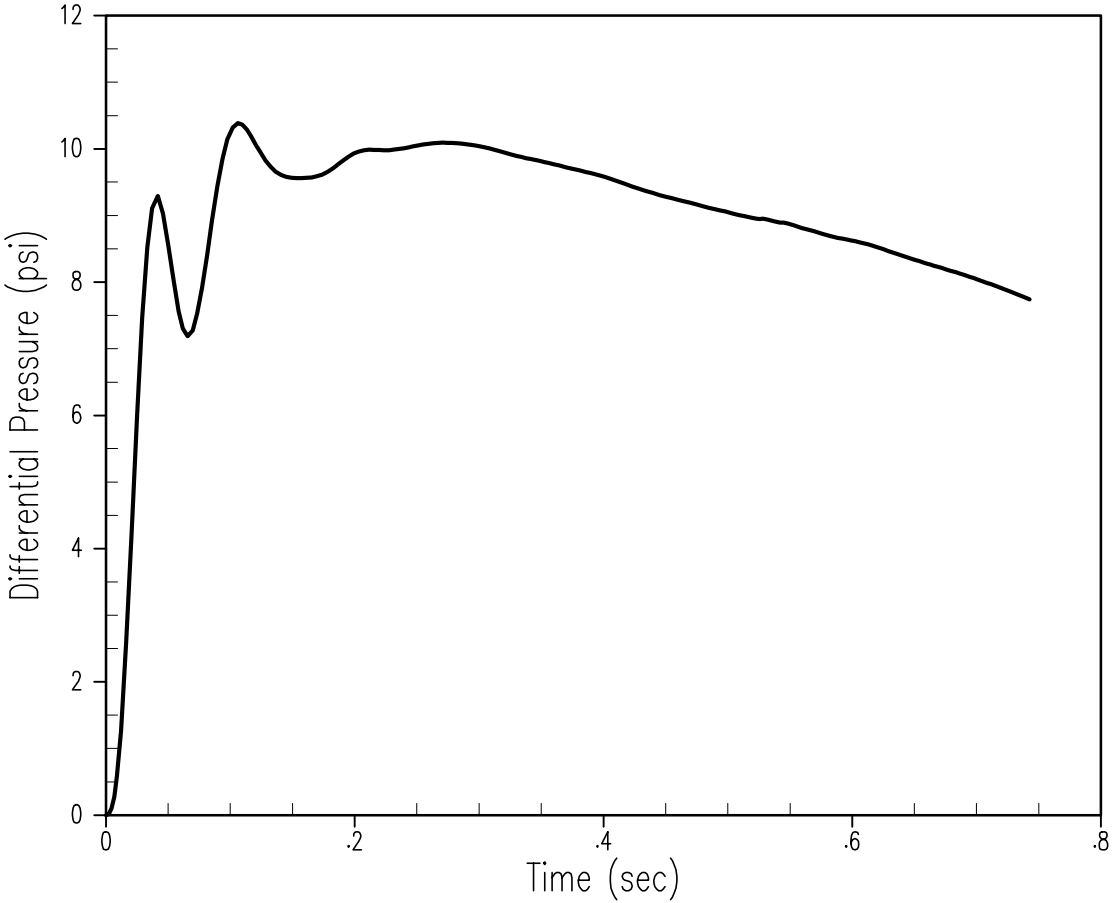
Sheet 1 of 1

UFSAR Revision 30.0



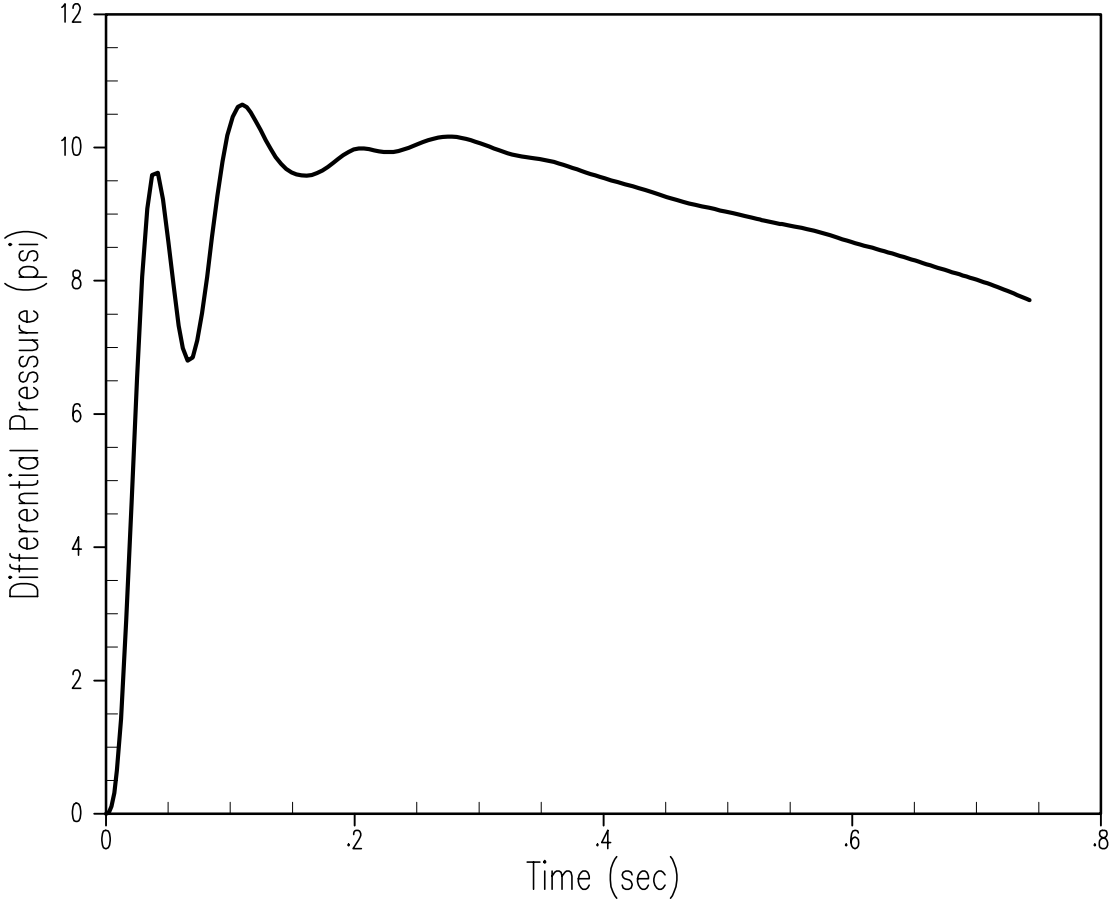
Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Cook Unit 1 & 2 Differential Pressure Between Elements: 55 - 2	
	UFSAR Figure: 14.3.4-94	Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Cook Unit 1 & 2 Differential Pressure Between Elements: 56 - 2	
	UFSAR Figure: 14.3.4-95	Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

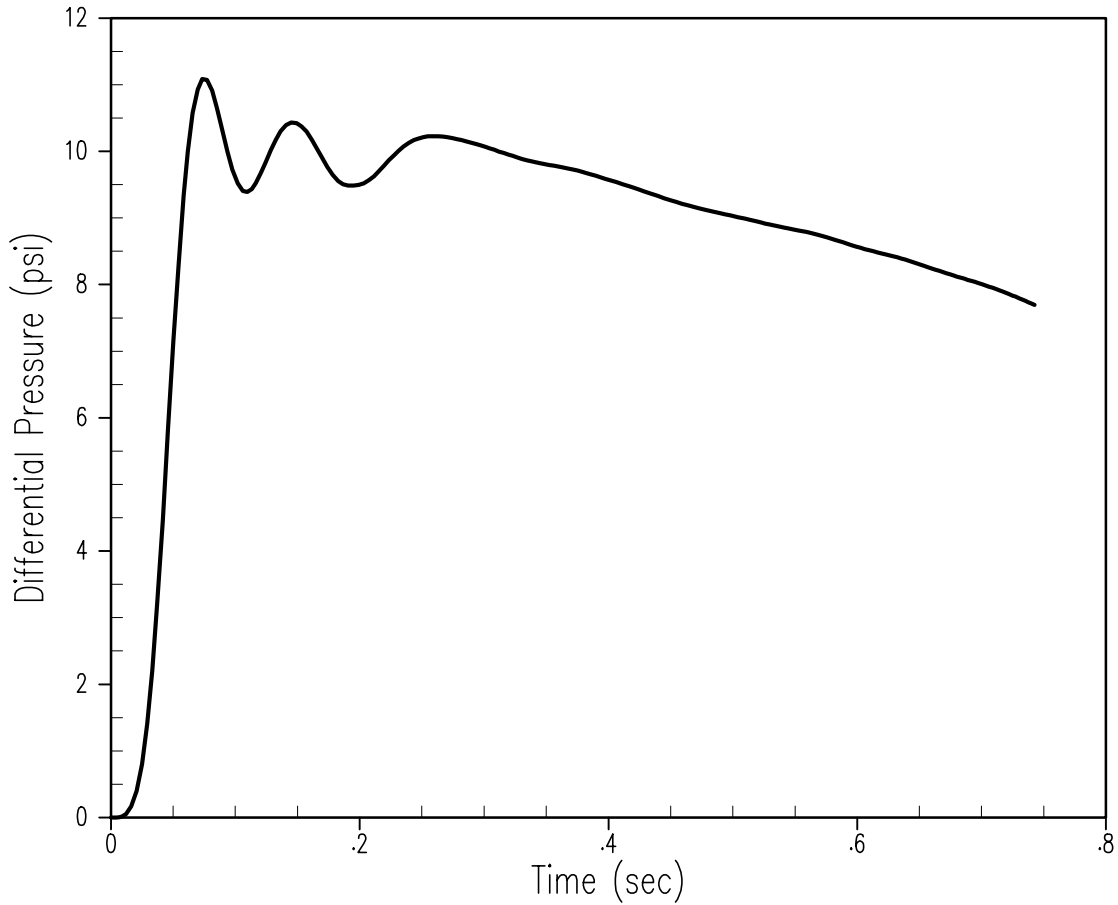
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 56 - 1**

UFSAR Figure: **14.3.4-96**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

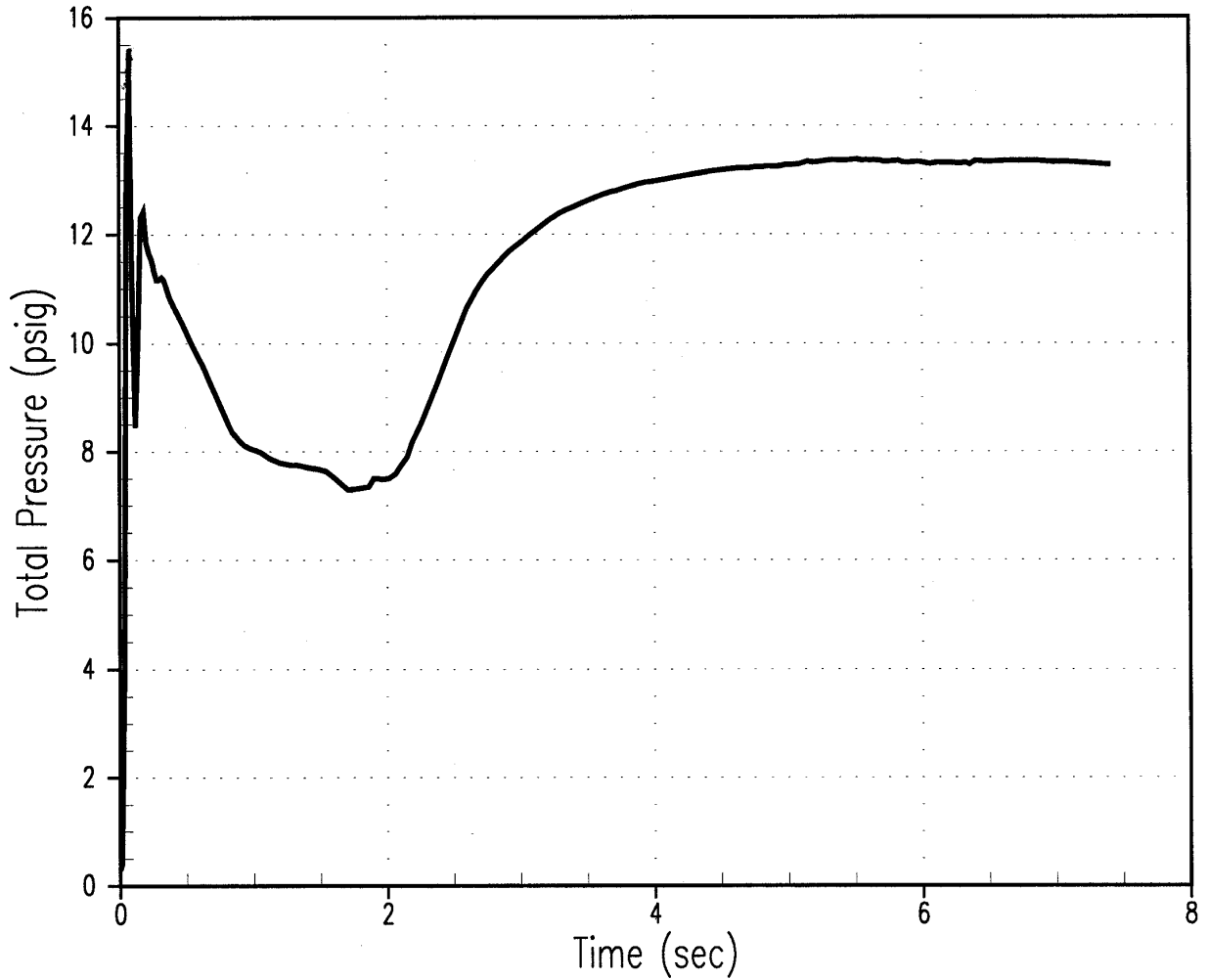
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Between Elements: 57 - 1**

UFSAR Figure: **14.3.4-97**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

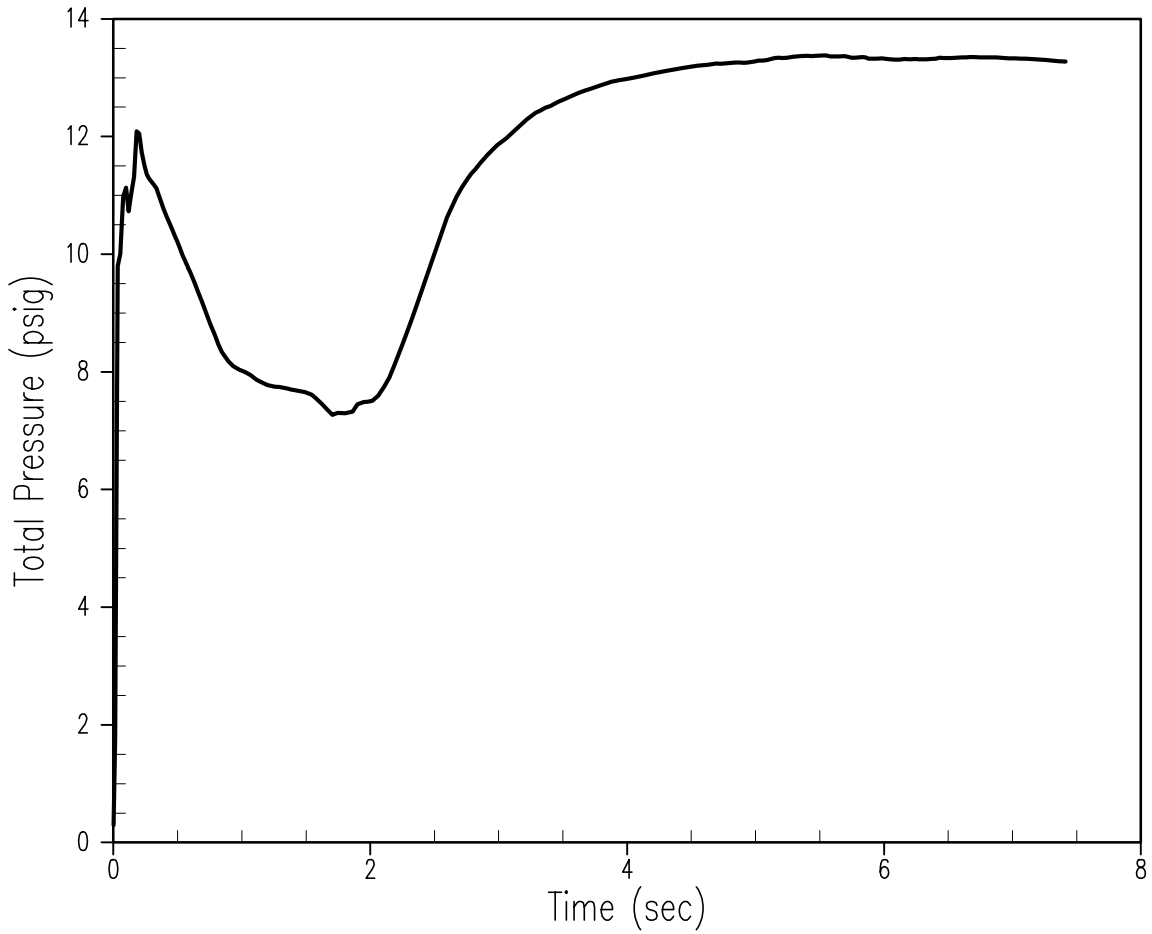
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Fan / Accumulator Room Element 27**

UFSAR Figure: **14.3.4-98**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

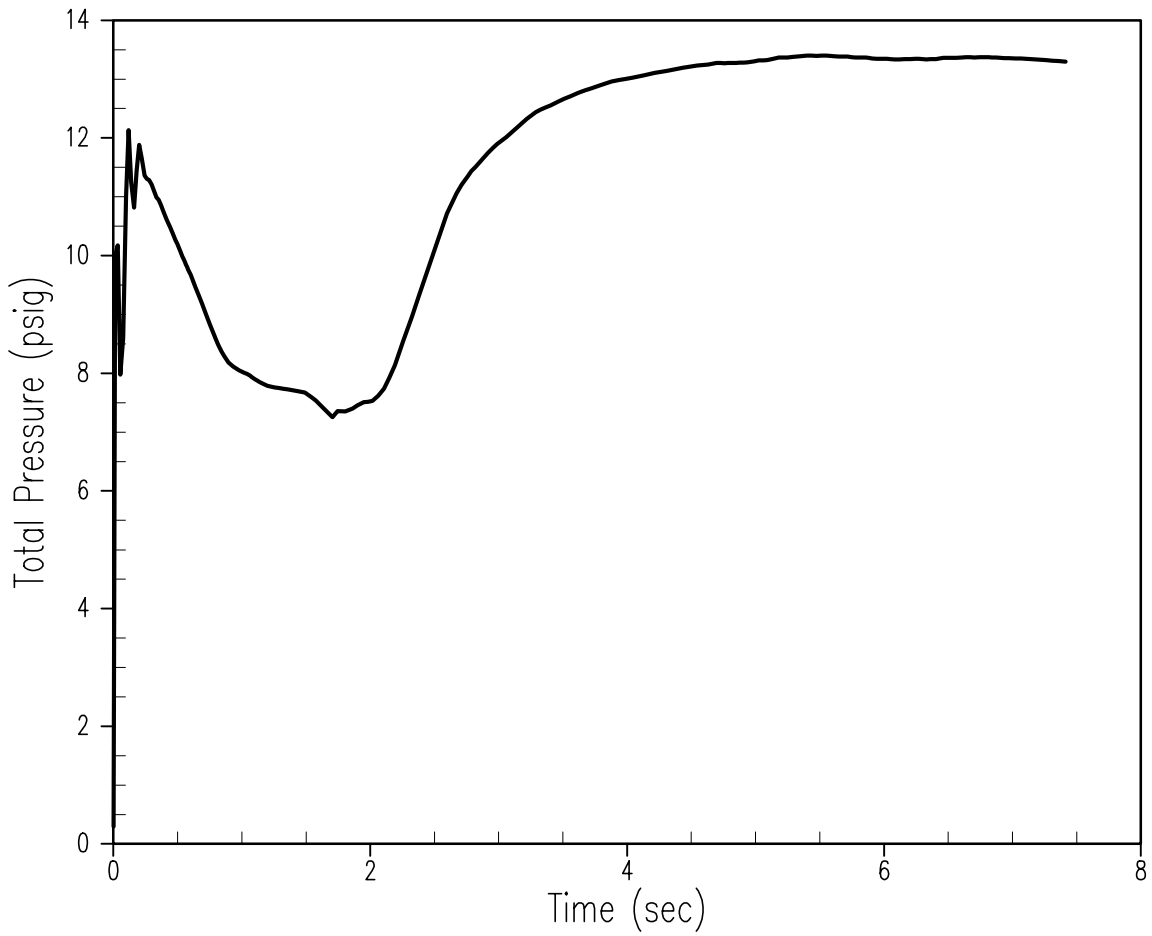
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Fan / Accumulator Room Element 54**

UFSAR Figure: **14.3.4-99**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

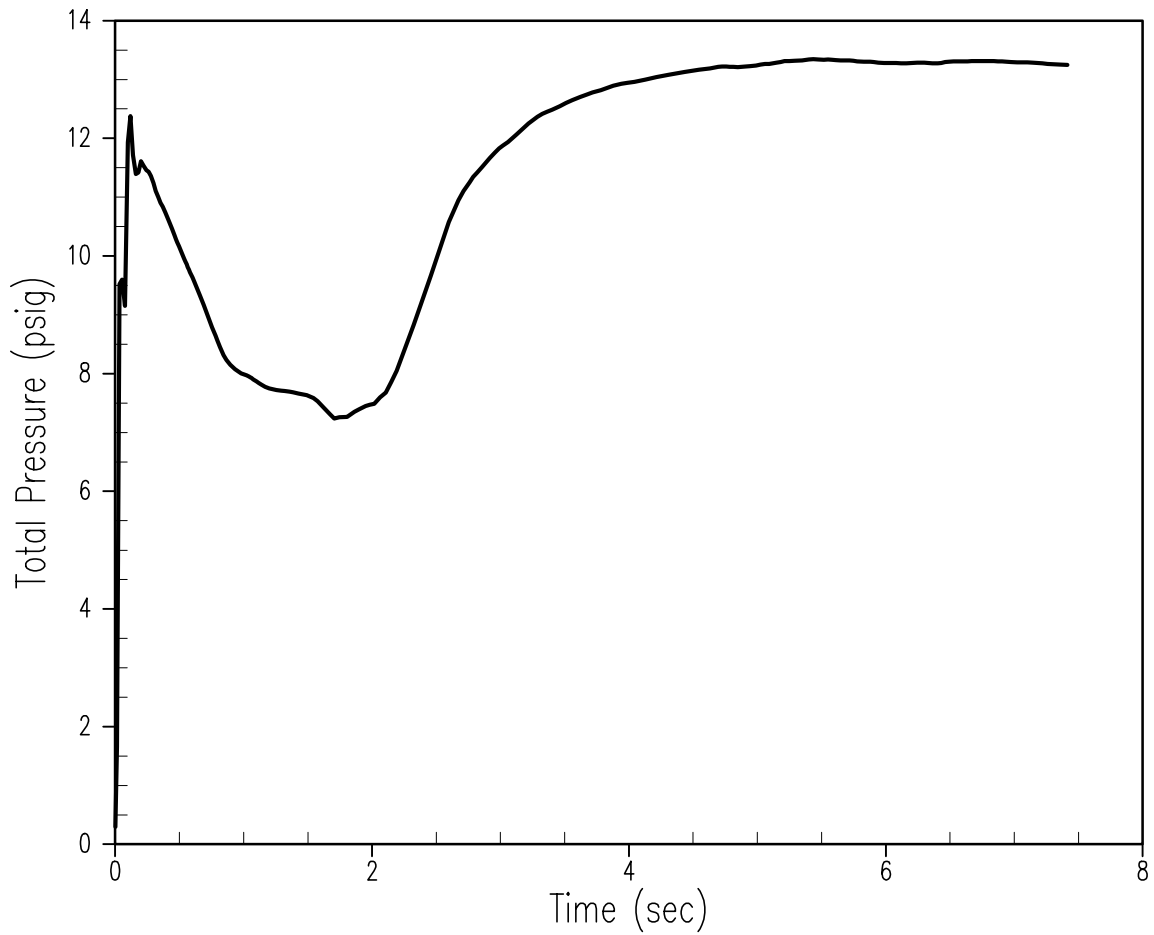
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Fan / Accumulator Room Element 55**

UFSAR Figure: **14.3.4-100**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

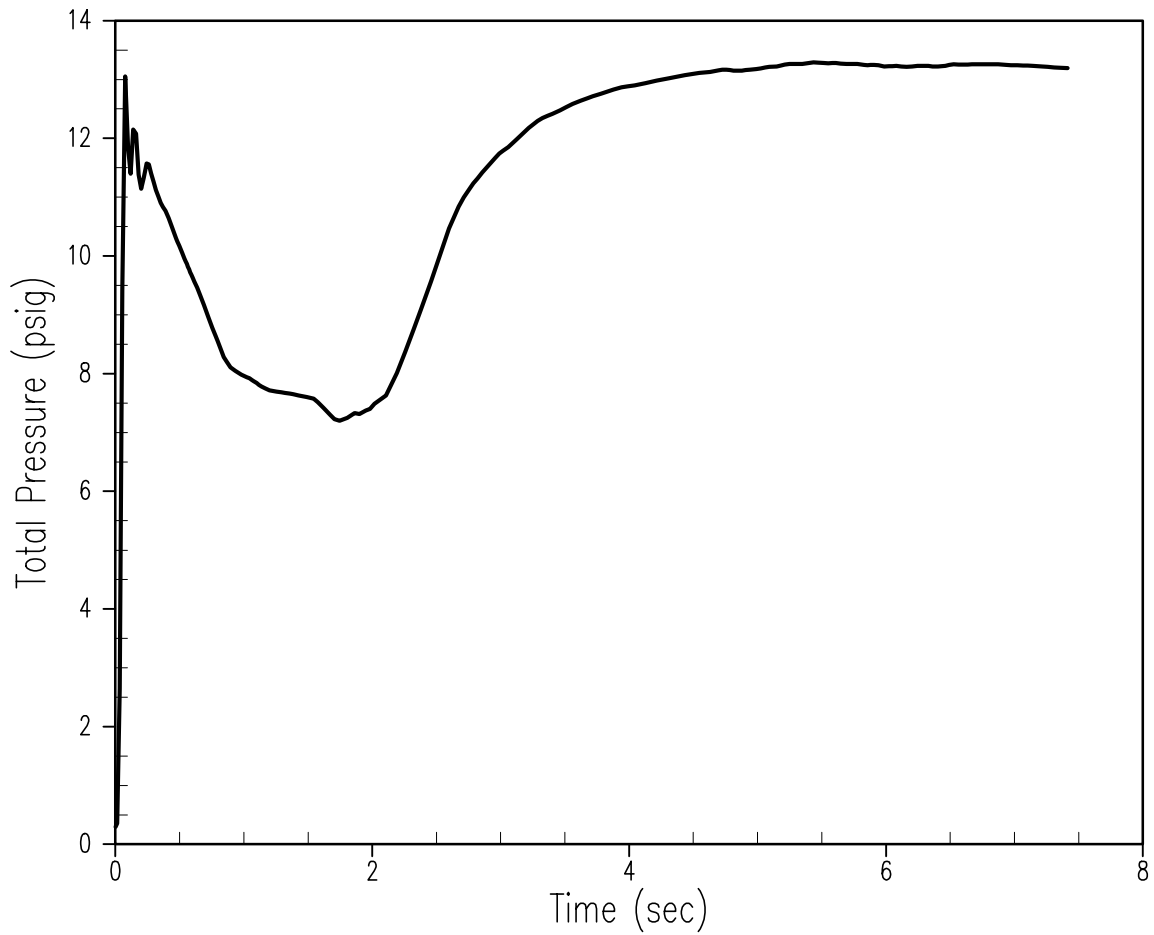
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Fan / Accumulator Room Element 56**

UFSAR Figure: **14.3.4-101**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

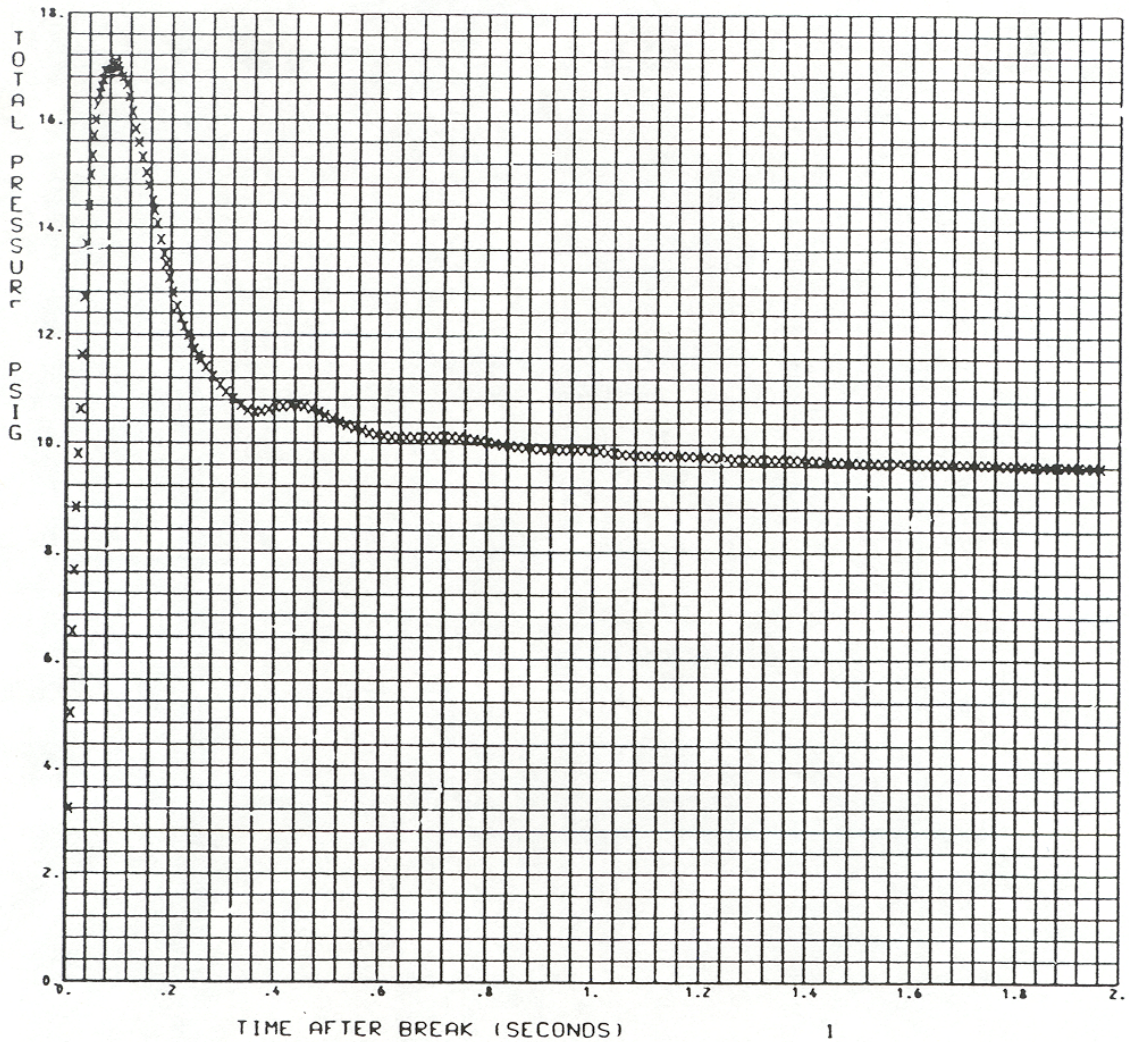
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Fan / Accumulator Room Element 57**

UFSAR Figure: **14.3.4-102**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

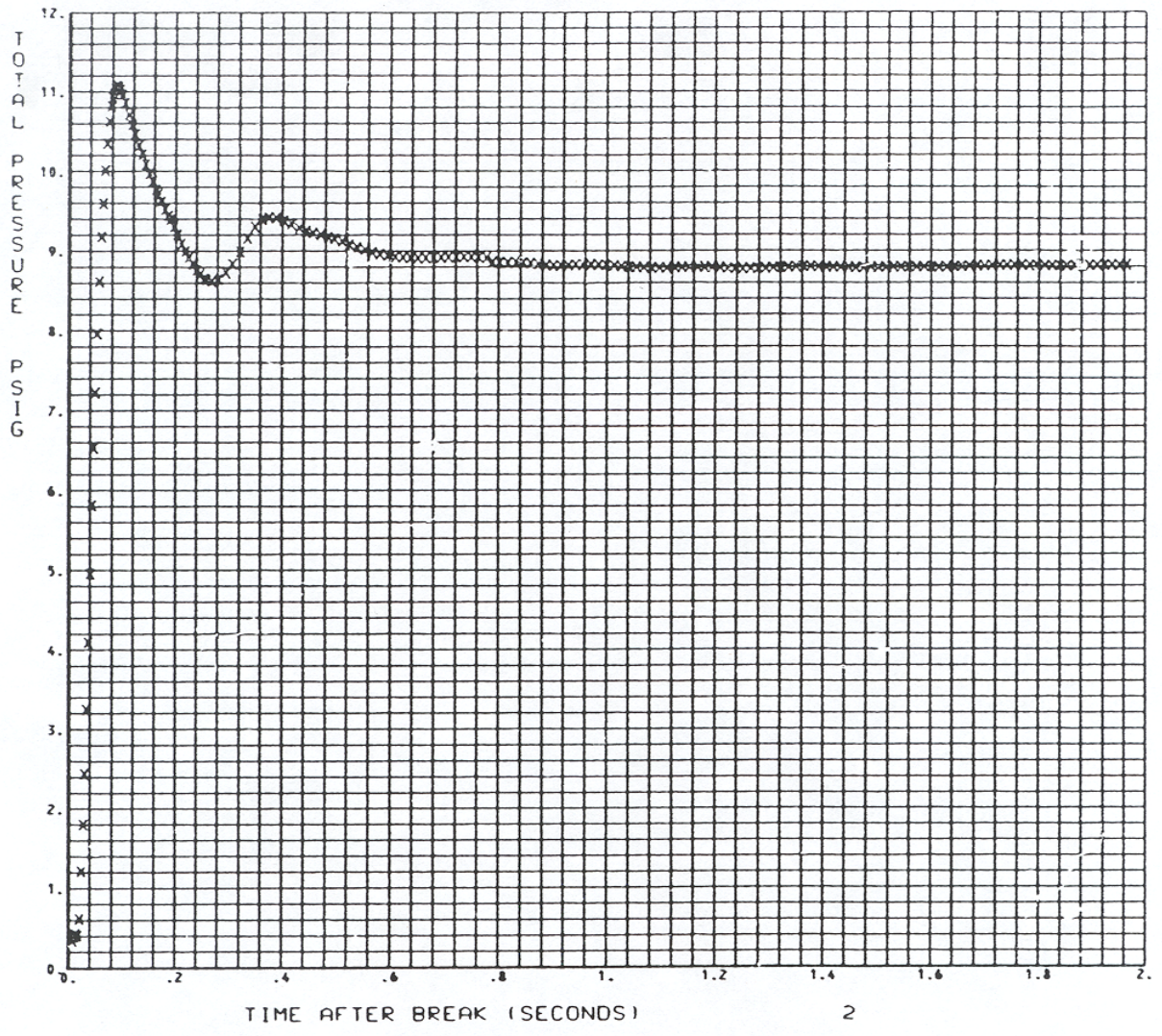
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Plot of the Peak Compartment Pressure as a
Function of Time in Element 1 for a DEHL Break
in Element 1**

UFSAR Figure: **14.3.4-103**

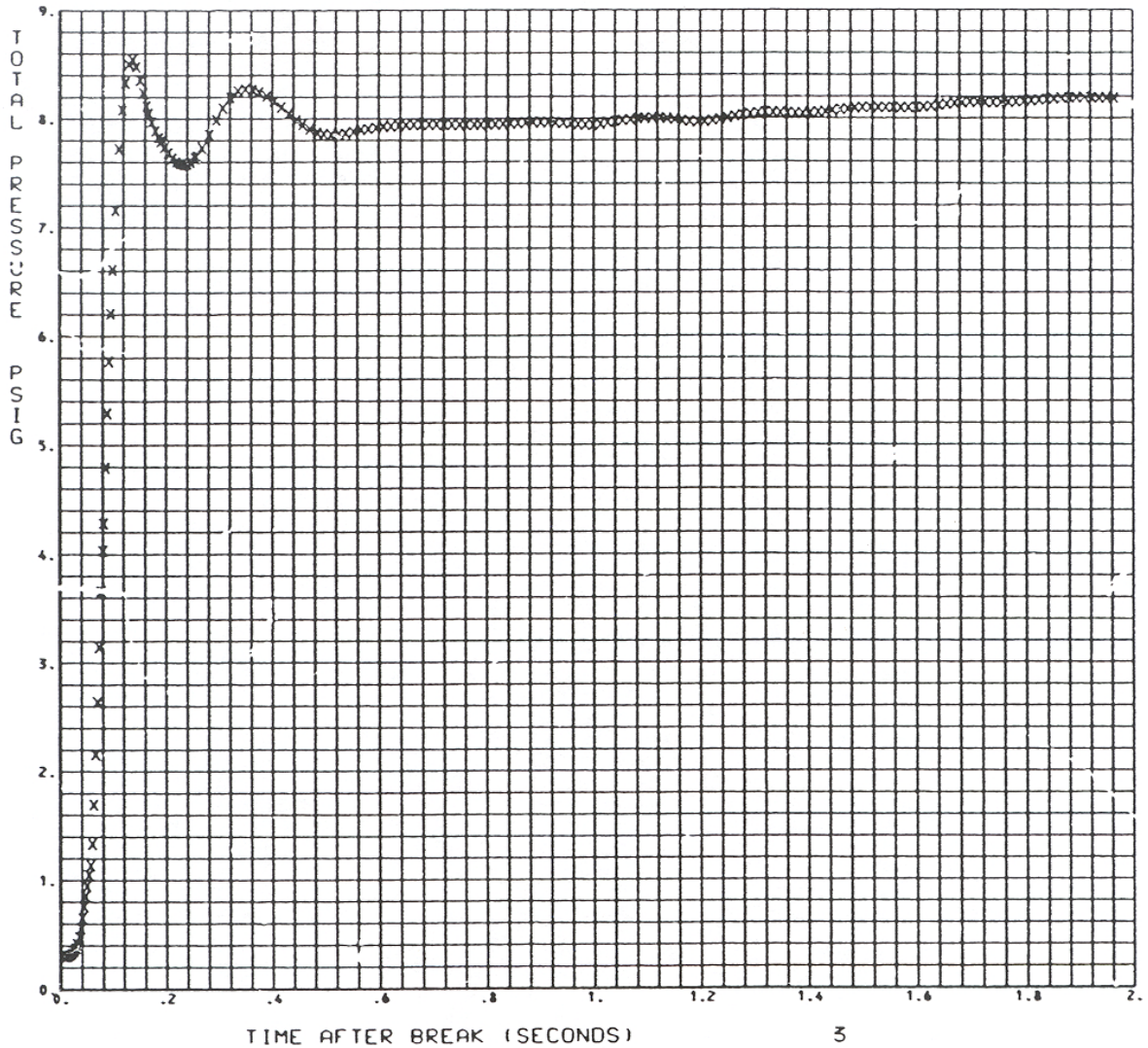
Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1	Change Description: UCR-850
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Plot of the Peak Compartment Pressure as a Function of Time in Element 2 for a DEHL Break in Element 1
	UFSAR Figure: 14.3.4-104
	Sheet 1 of 1

UFSAR Revision 30.0



3

Revision: **17.1**

Change Description: **UCR-850**

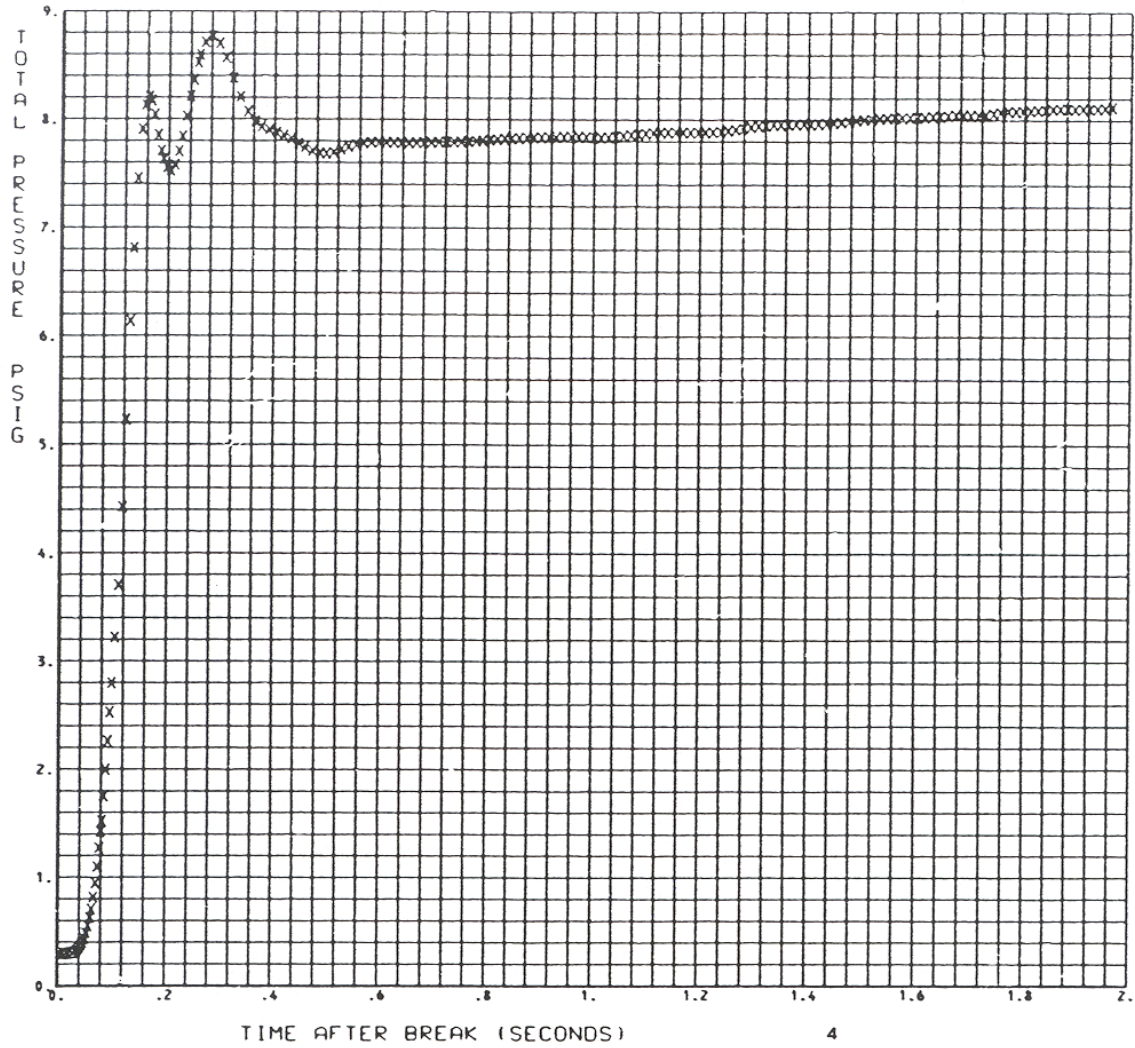
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Plot of the Peak Compartment Pressure as a
Function of Time in Element 3 for a DEHL Break
in Element 1**

UFSAR Figure: **14.3.4-105**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

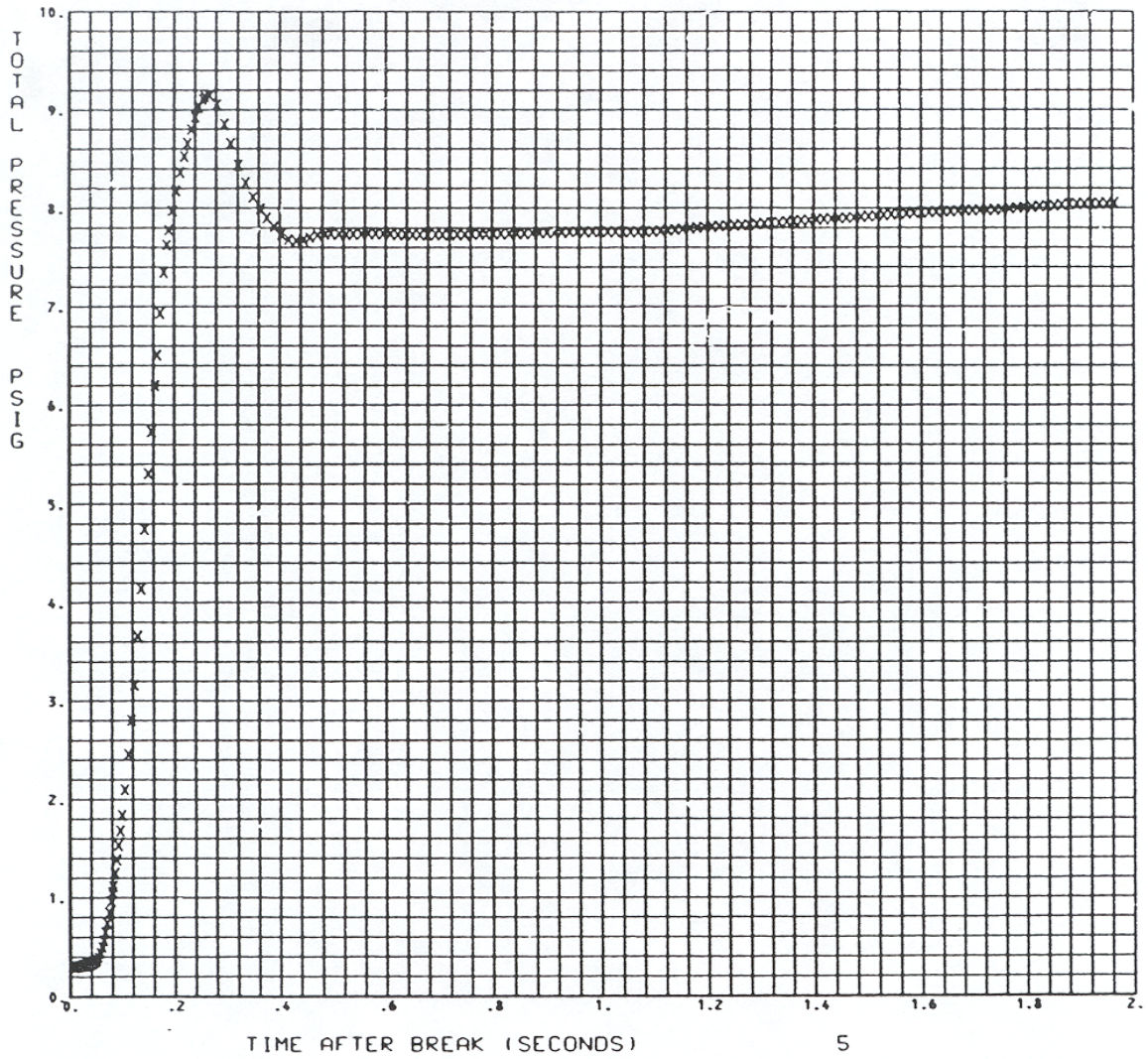
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Plot of the Peak Compartment Pressure as a
Function of Time in Element 4 for a DEHL Break
in Element 1**

UFSAR Figure: **14.3.4-106**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

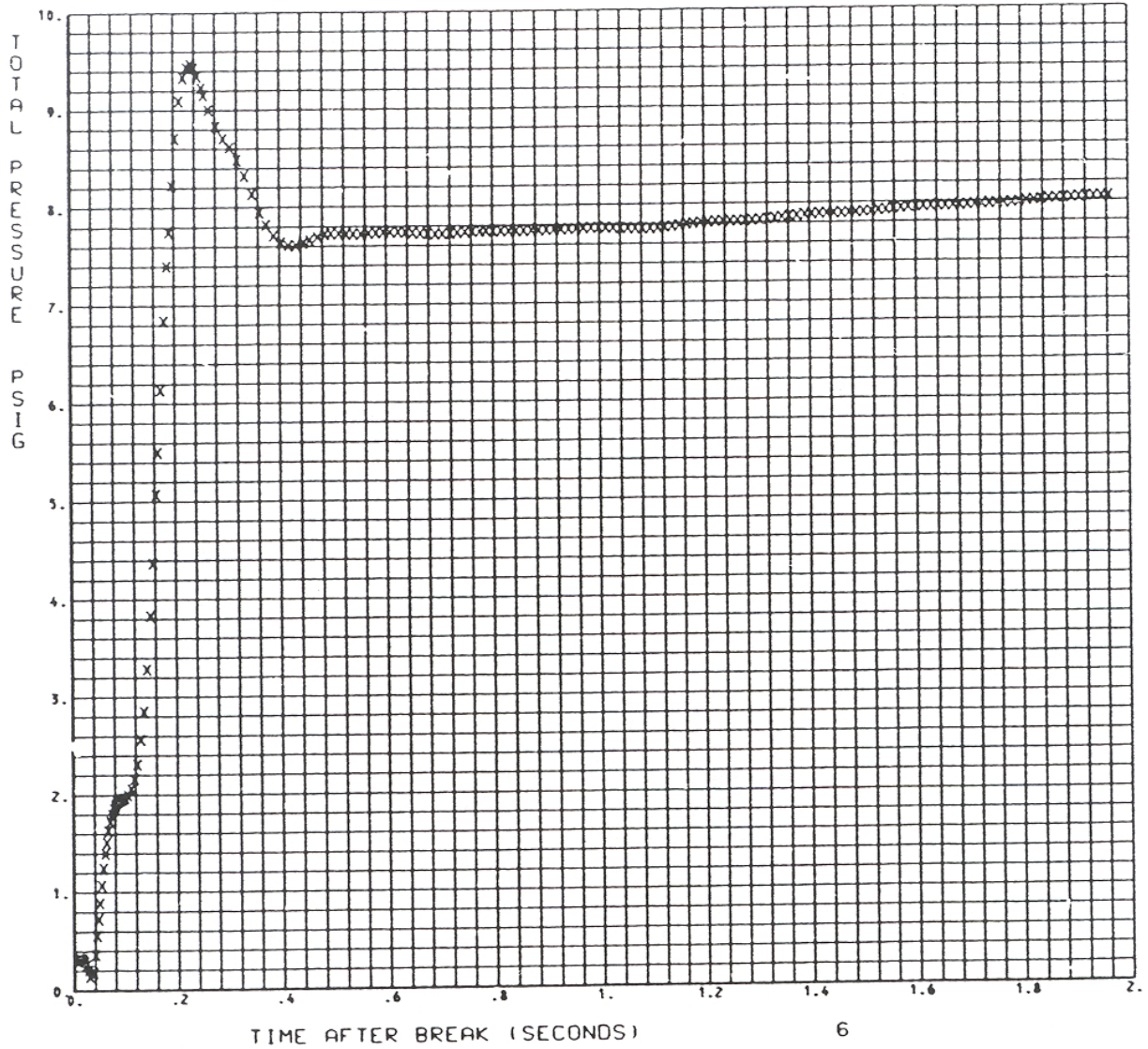
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Plot of the Peak Compartment Pressure as a
Function of Time in Element 5 for a DEHL Break
in Element 1**

UFSAR Figure: **14.3.4-107**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

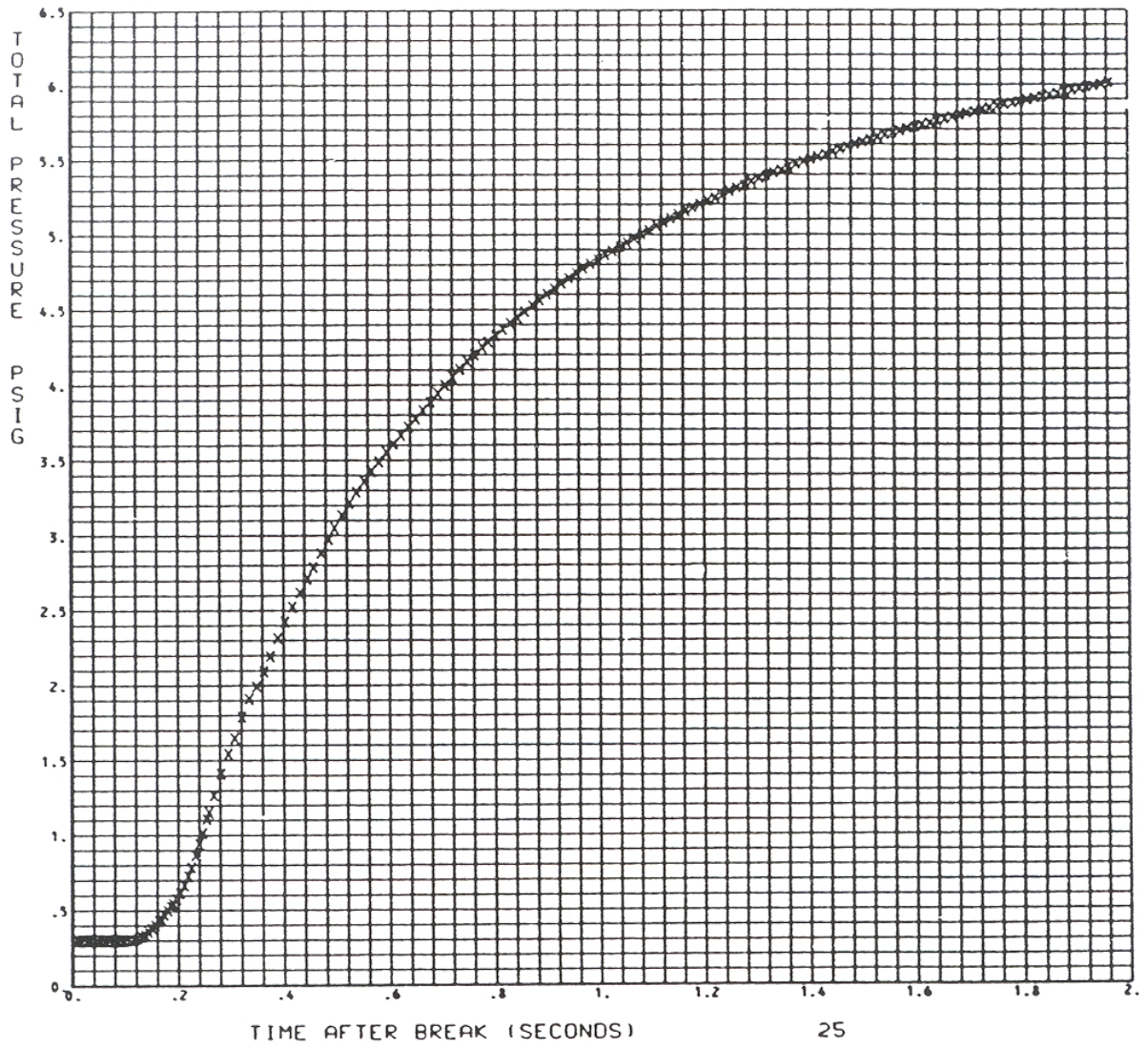
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Plot of the Peak Compartment Pressure as a
Function of Time in Element 6 for a DEHL Break
in Element 1**

UFSAR Figure: **14.3.4-108**

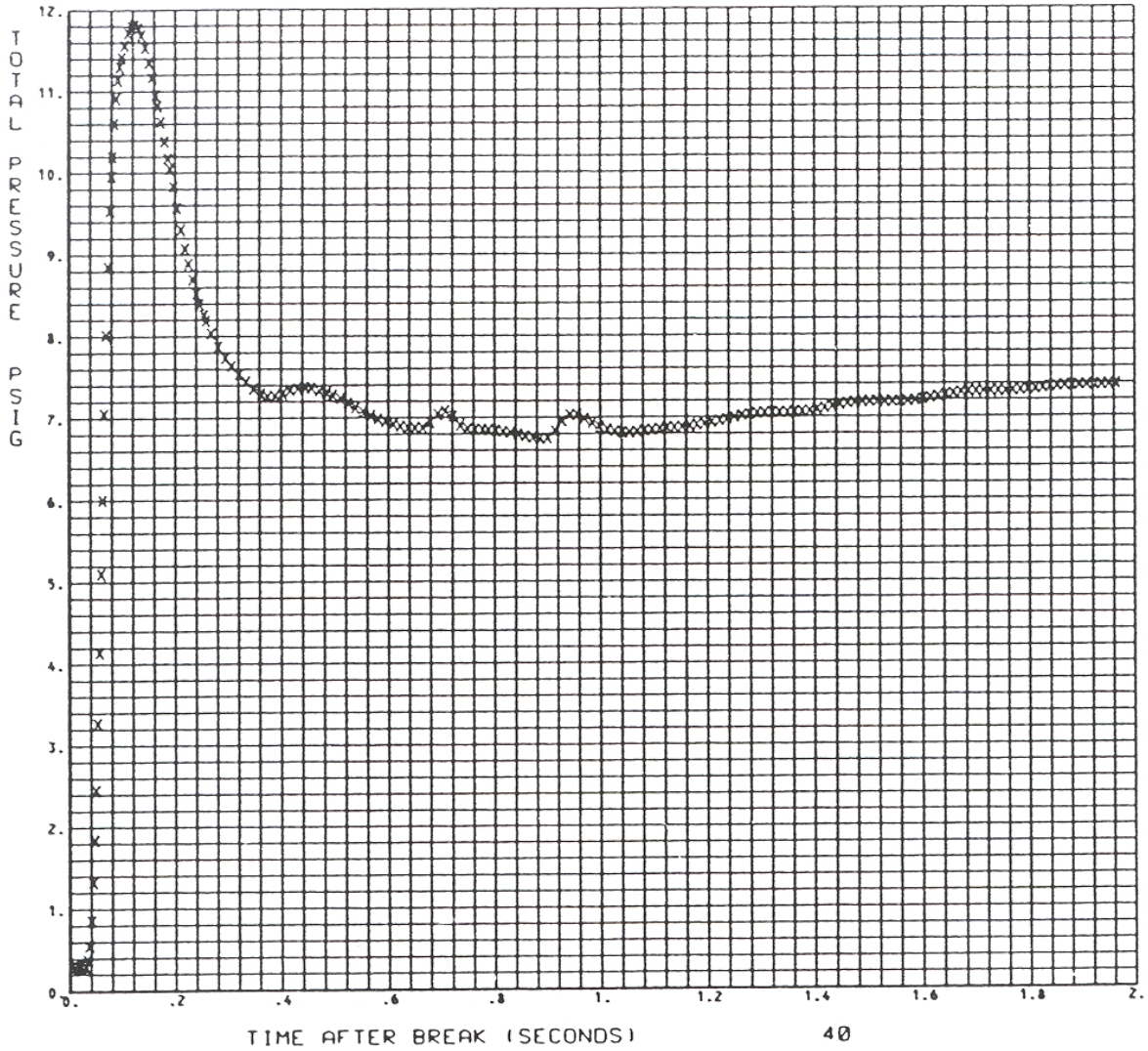
Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1	Change Description: UCR-850
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Plot of the Peak Compartment Pressure as a Function of Time in Element 25 for a DEHL Break in Element 1
	UFSAR Figure: 14.3.4-109 Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

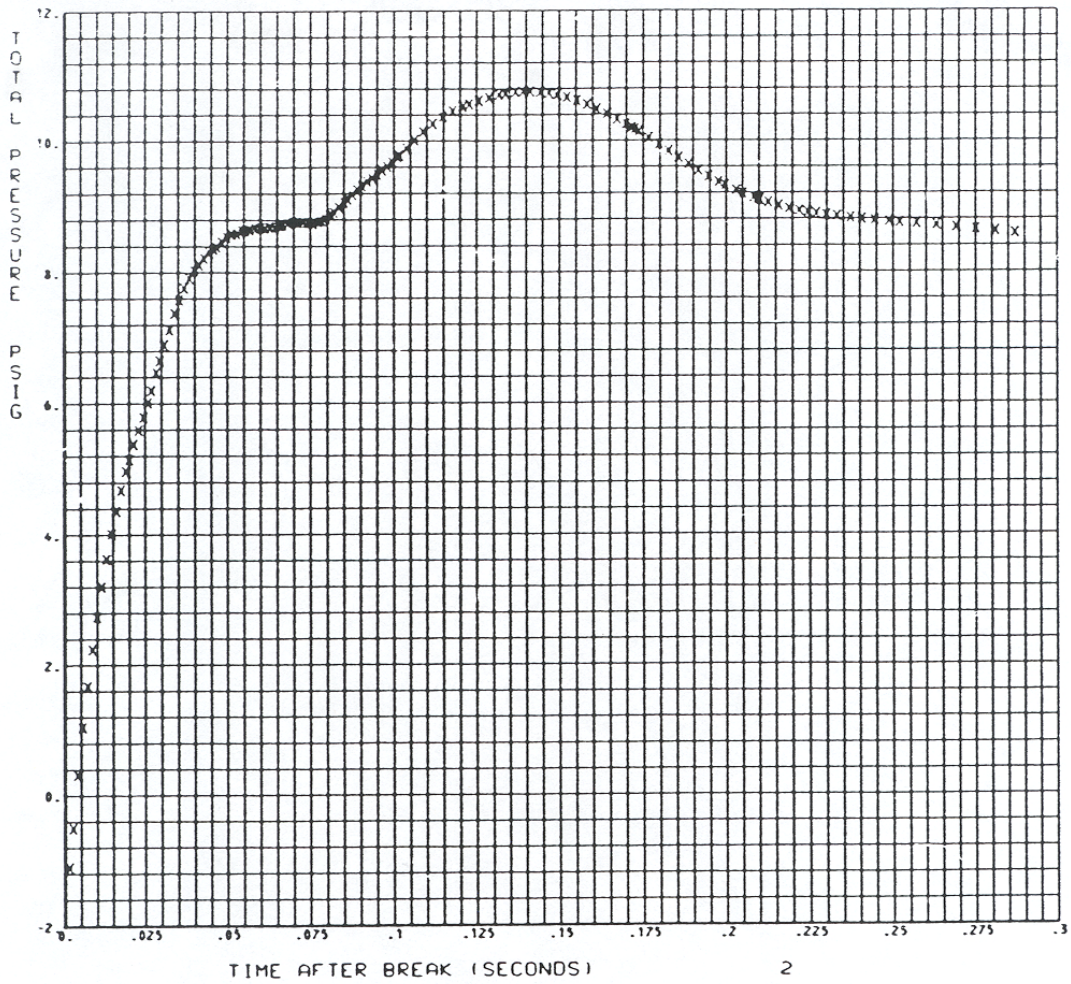
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Plot of the Peak Compartment Pressure as a
Function of Time in Element 40 for a DEHL
Break in Element 1**

UFSAR Figure: **14.3.4-110**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

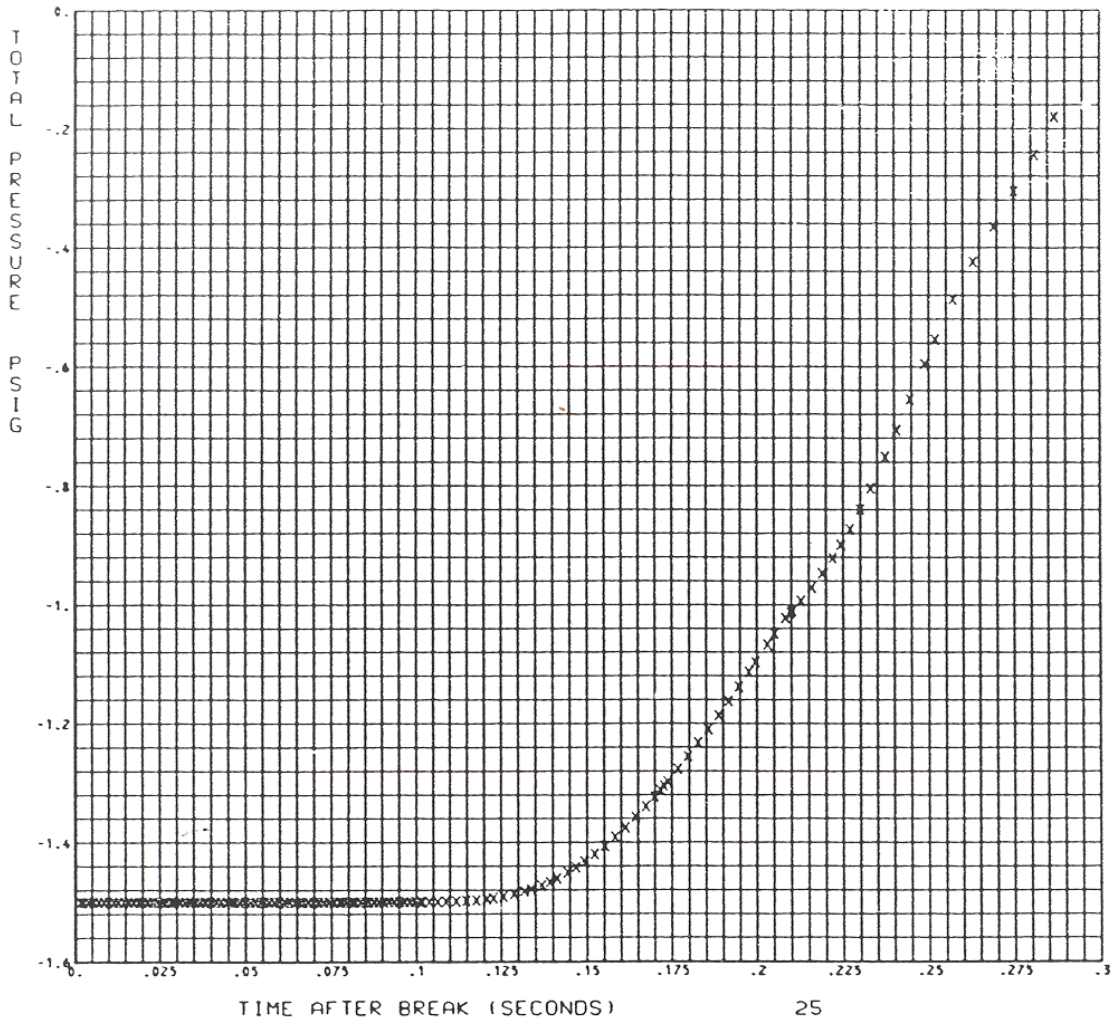
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Plot of the Peak Compartment Pressure as a
Function of Time Element 2 for DEHL Break in
Element 2**

UFSAR Figure: **14.3.4-111**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

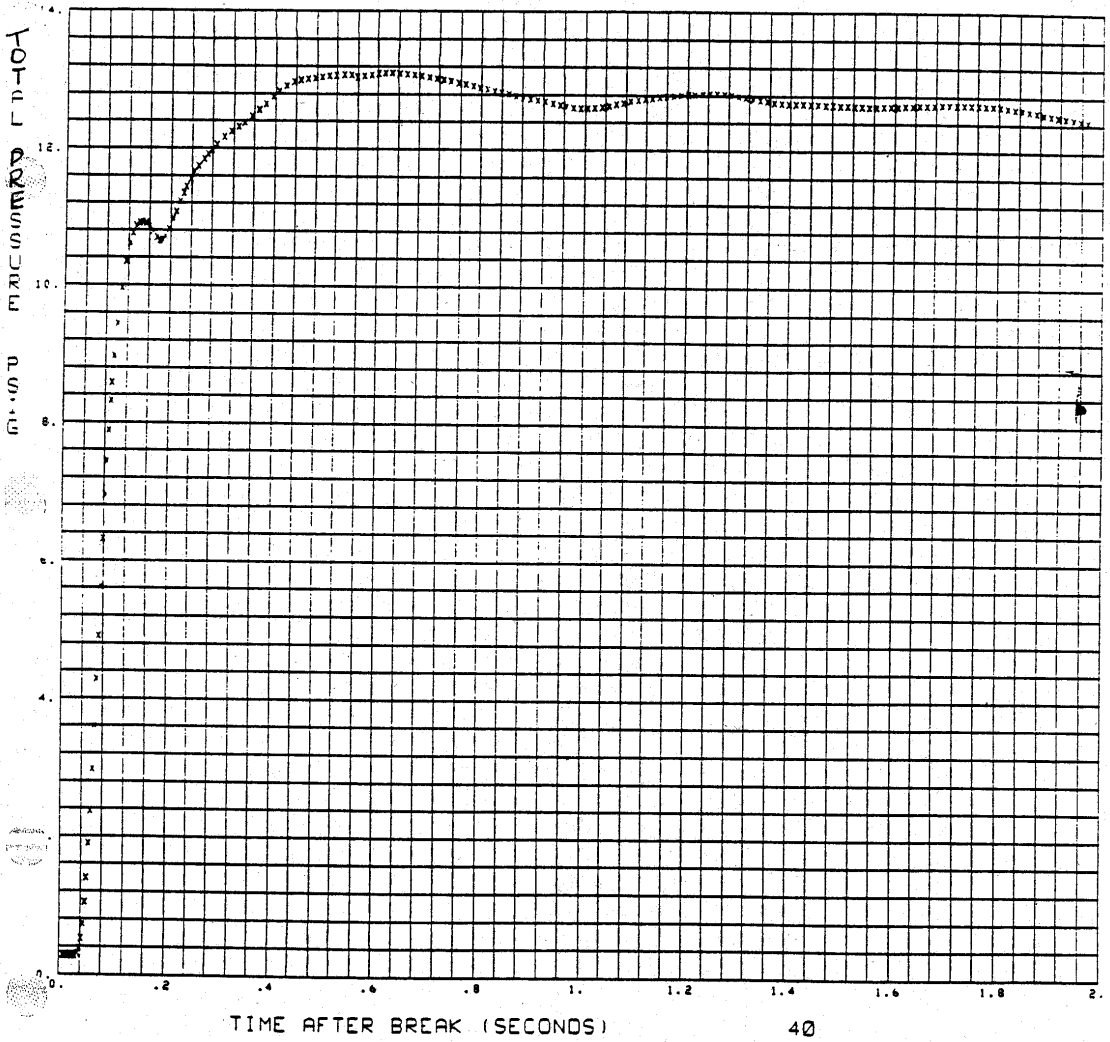
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Plot of the Peak Compartment Pressure as a
Function of Time in Element 25 for a DEHL
Break in Element 2**

UFSAR Figure: **14.3.4-112**

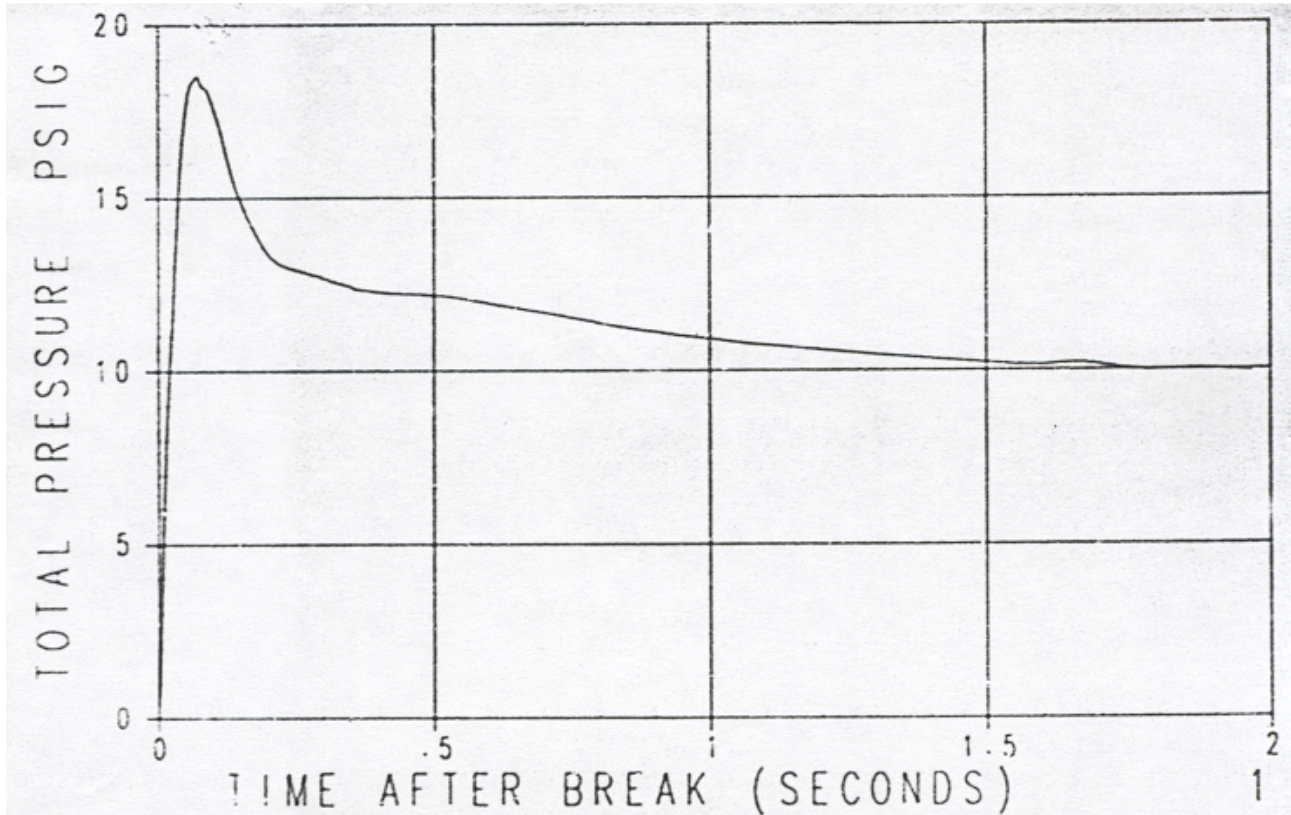
Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Plot of the Peak Compartment Pressure as a Function of Time in Element 40 for a DECL Break in Element 1	
	UFSAR Figure: 14.3.4-113	Sheet 1 of 1

UFSAR Revision 30.0



(When using this figure, the differential pressure time history should be increased by an adder of 1.936.)

Revision: **17.1**

Change Description: **UCR-850**

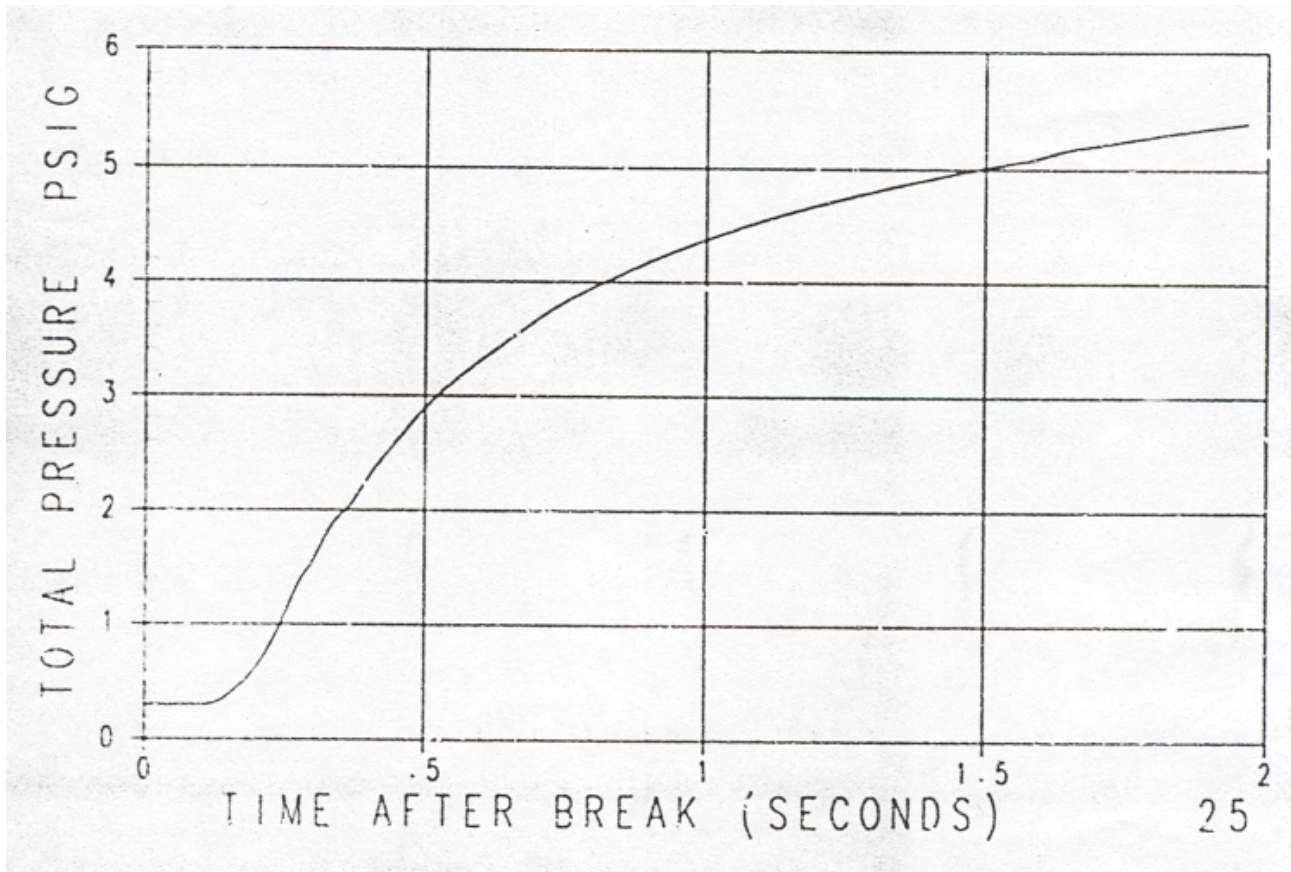
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History in the Lower
Compartment**

UFSAR Figure: **14.3.4-114**

Sheet 1 of 1

UFSAR Revision 30.0



(When using this figure, the differential pressure time history should be increased by an adder of 1.936.)

Revision: **17.1**

Change Description: **UCR-850**

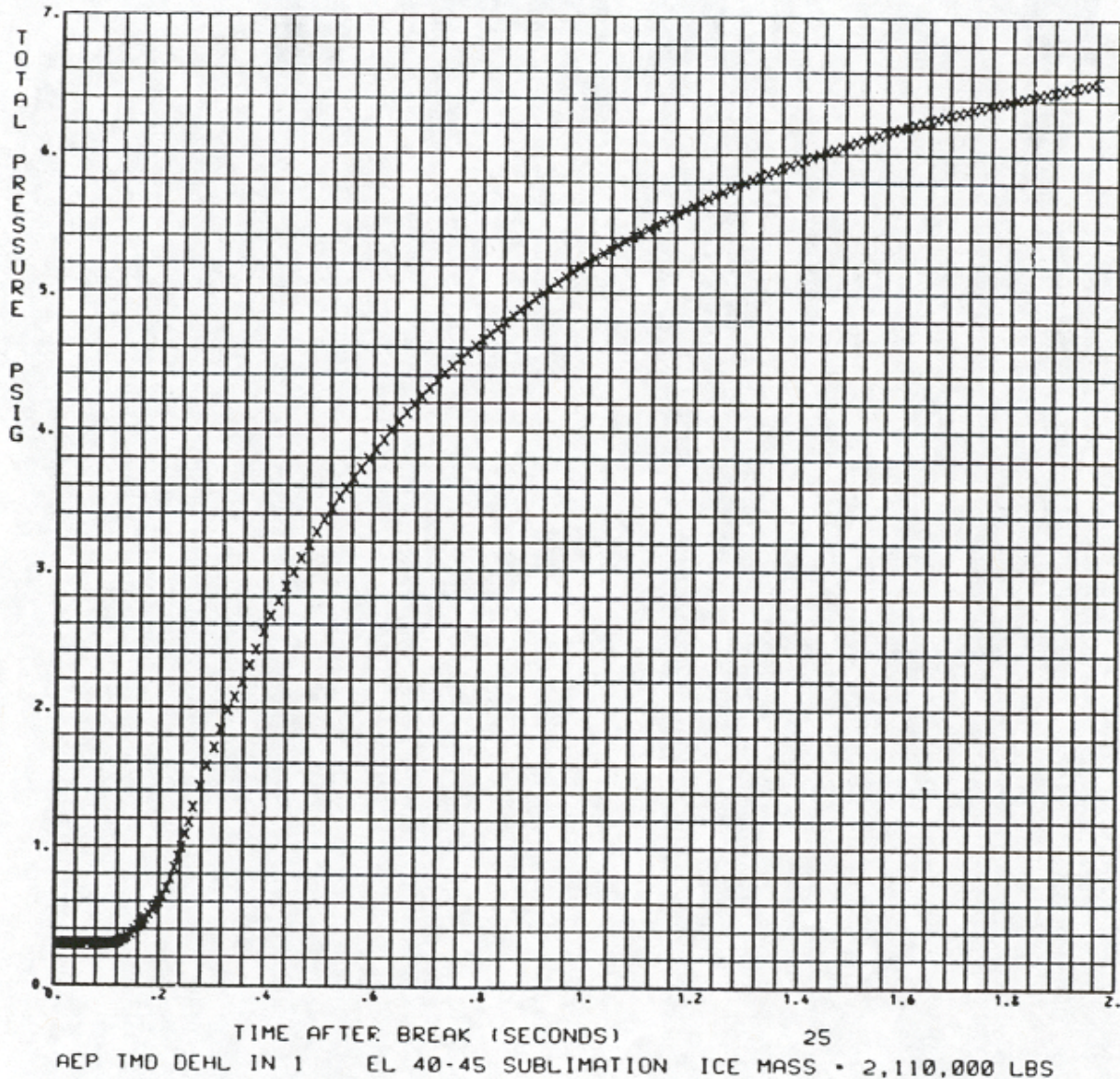
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History in the Upper
Compartment**

UFSAR Figure: **14.3.4-115**

Sheet 1 of 1

UFSAR Revision 30.0



(When using this figure, the differential pressure time history should be first increased by a factor 1.013 psi and then an adder of 0.9426 psi included.)

Revision: **17.1**

Change Description: **UCR-850**

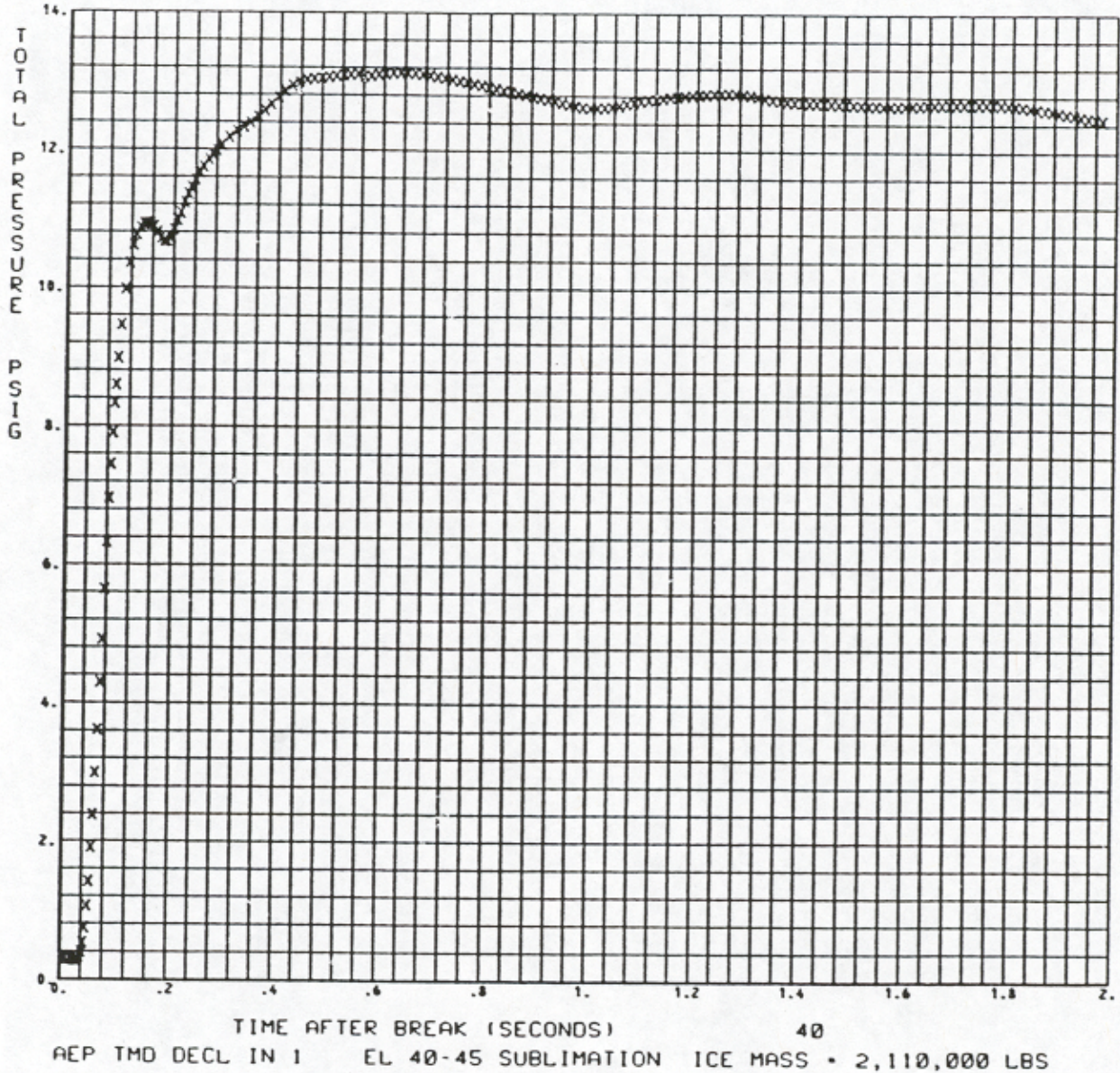
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History in the Upper
Compartment**

UFSAR Figure: **14.3.4-119**

Sheet 1 of 1

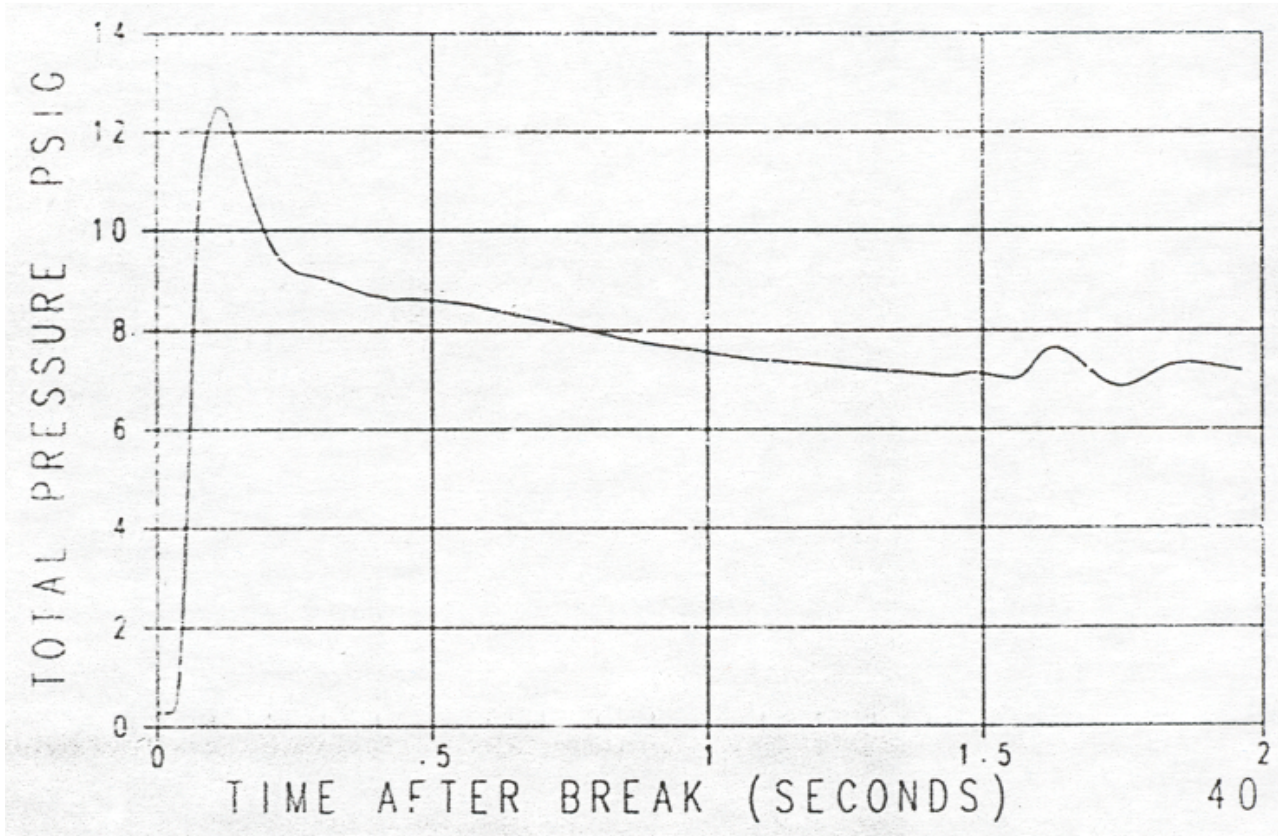
UFSAR Revision 30.0



(When using this figure for the differential pressure time history, it should be first increased by a factor 1.06 psi and then an adder of 0.866 psi included.)

Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Cook Unit 1 & 2 Pressure Time History in the Lower Plenum of the Ice Condenser	
	UFSAR Figure: 14.3.4-120	Sheet 1 of 1

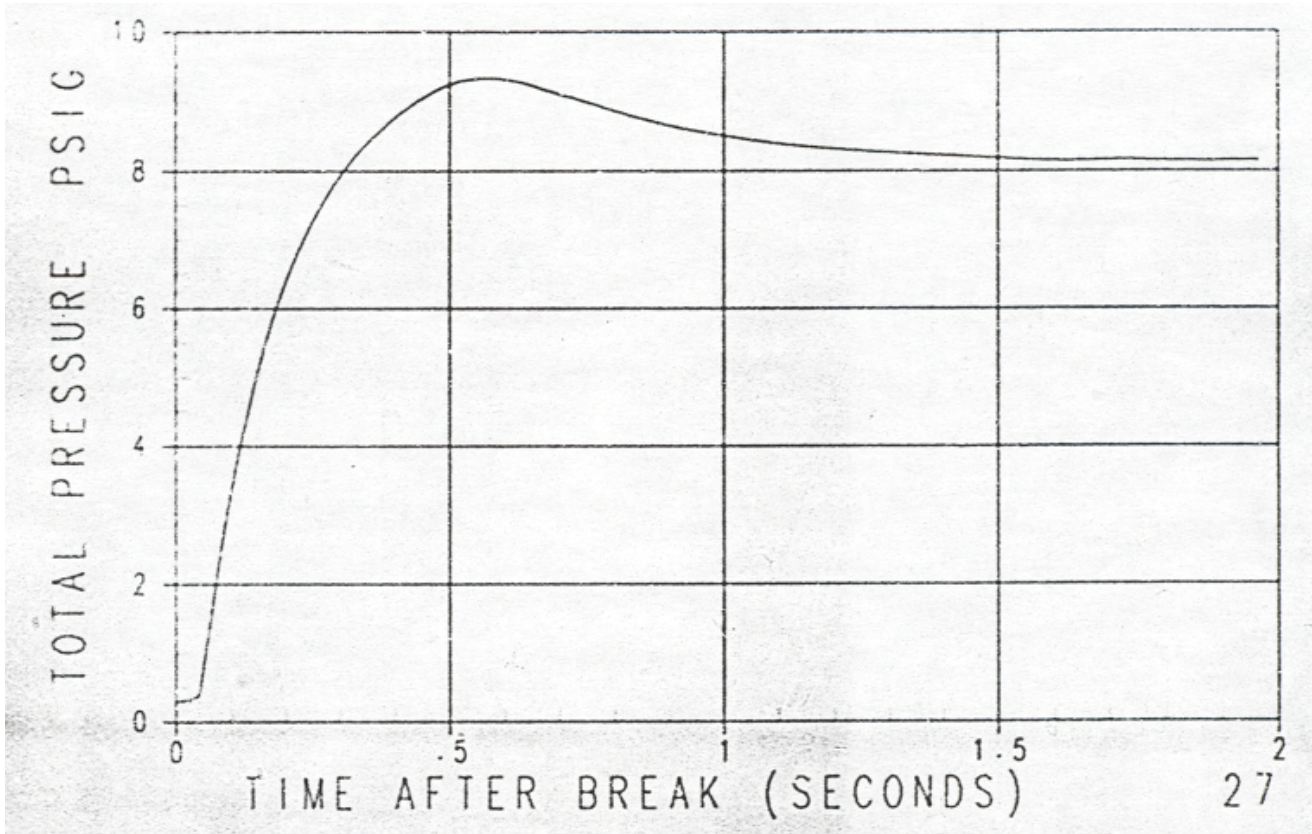
UFSAR Revision 30.0



(When using this figure, the differential pressure time history should be increased by a factor 1.15 psi .)

Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Cook Unit 1 & 2 Pressure Time History in the Lower Plenum of the Ice Condenser	
	UFSAR Figure: 14.3.4-121	Sheet 1 of 1

UFSAR Revision 30.0



(When using this figure, the differential pressure time history should be increased by a factor 1.15 psi .)

Revision: **17.1**

Change Description: **UCR-850**

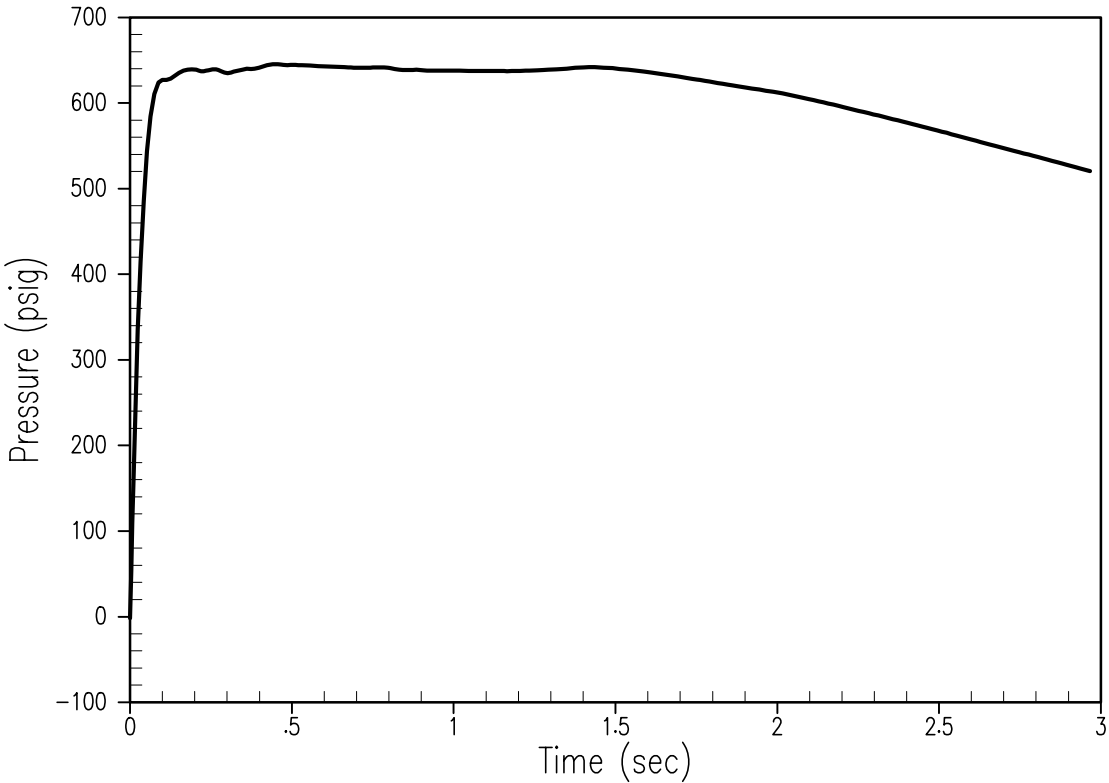
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History in the Fan / Accumulator Room**

UFSAR Figure: **14.3.4-122**

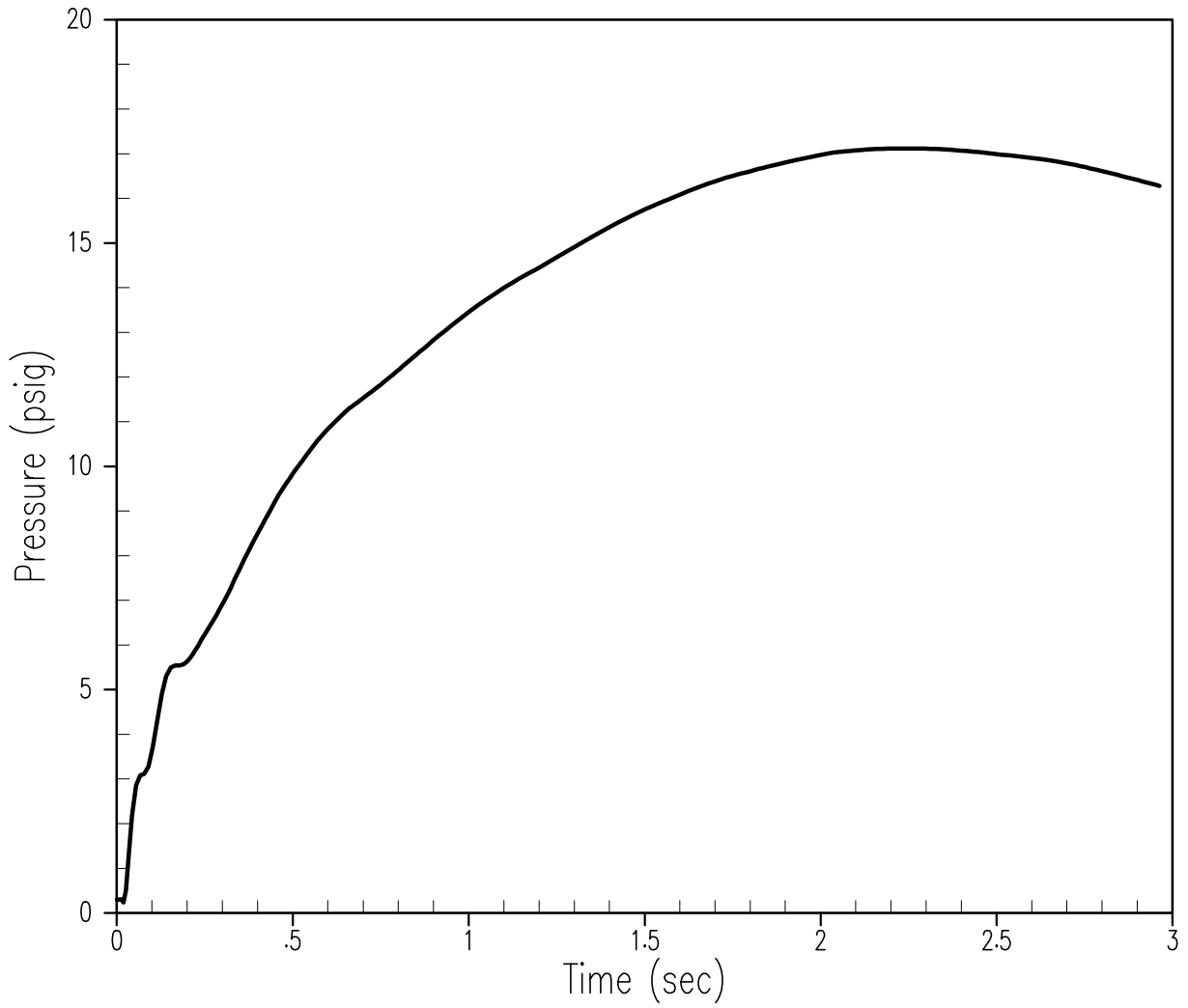
Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1		Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN		Title: Cook Unit 1 & 2 Pressure Time History Reactor Cavity Subcompartment	
		UFSAR Figure: 14.3.4-123	Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

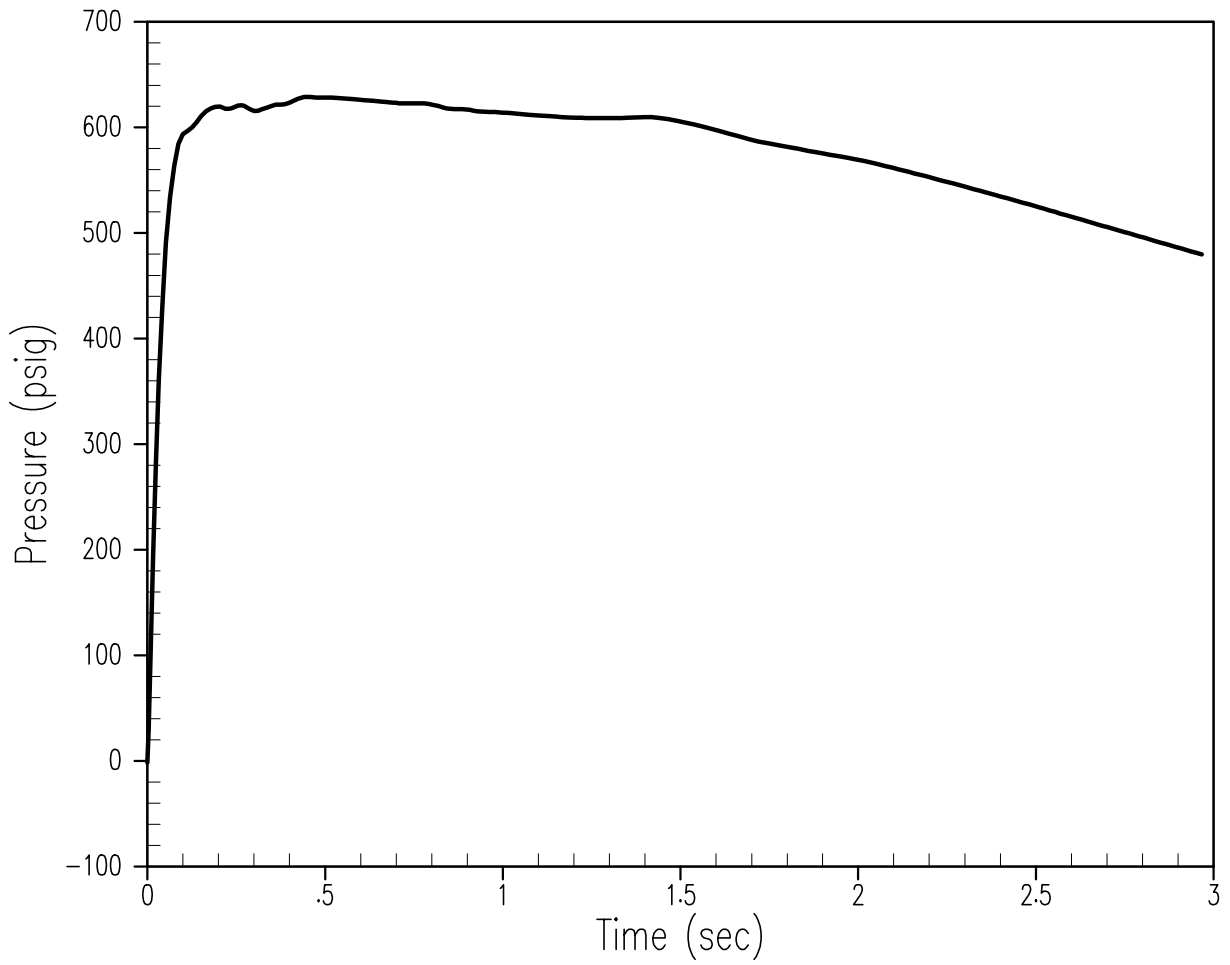
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Reactor Cavity Subcompartment**

UFSAR Figure: **14.3.4-124**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

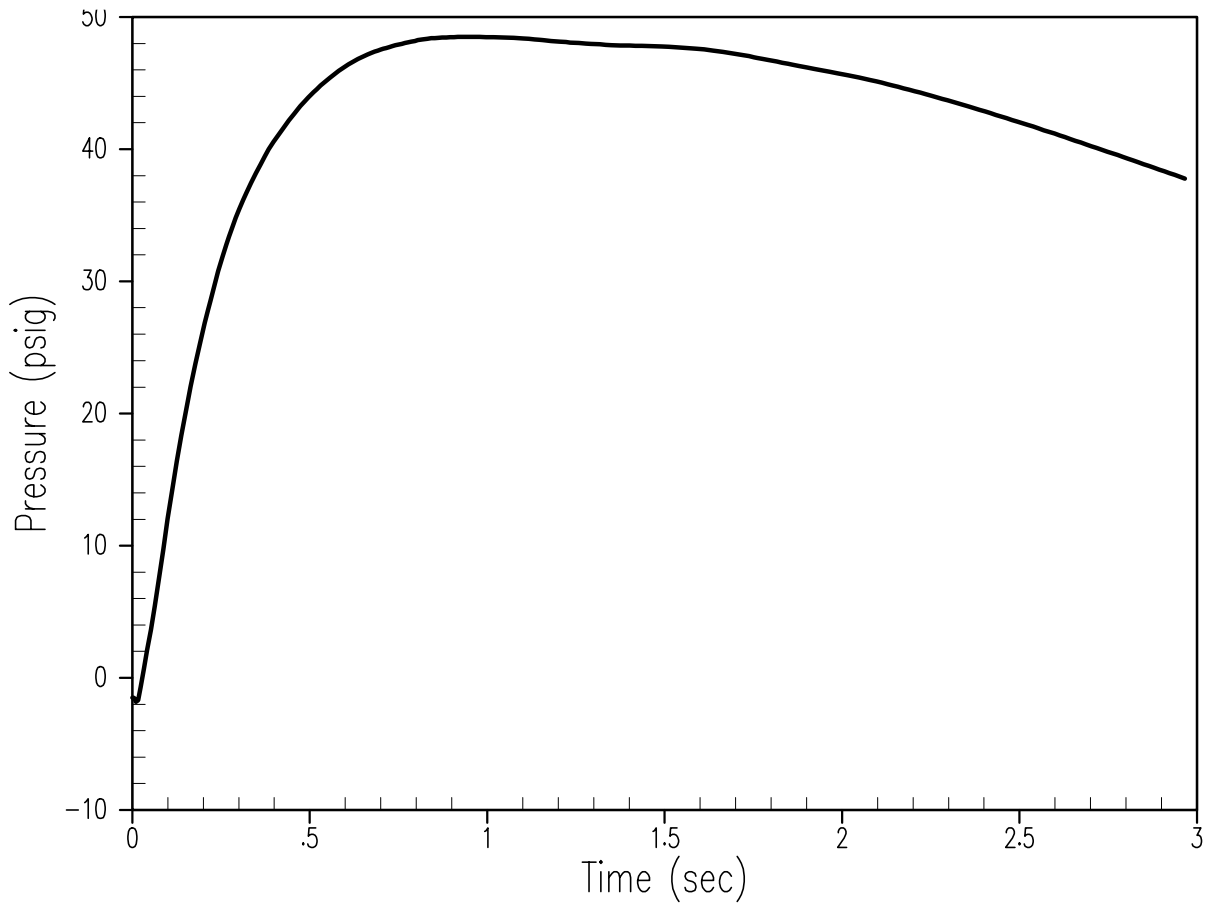
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Reactor Cavity Subcompartment**

UFSAR Figure: **14.3.4-125**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

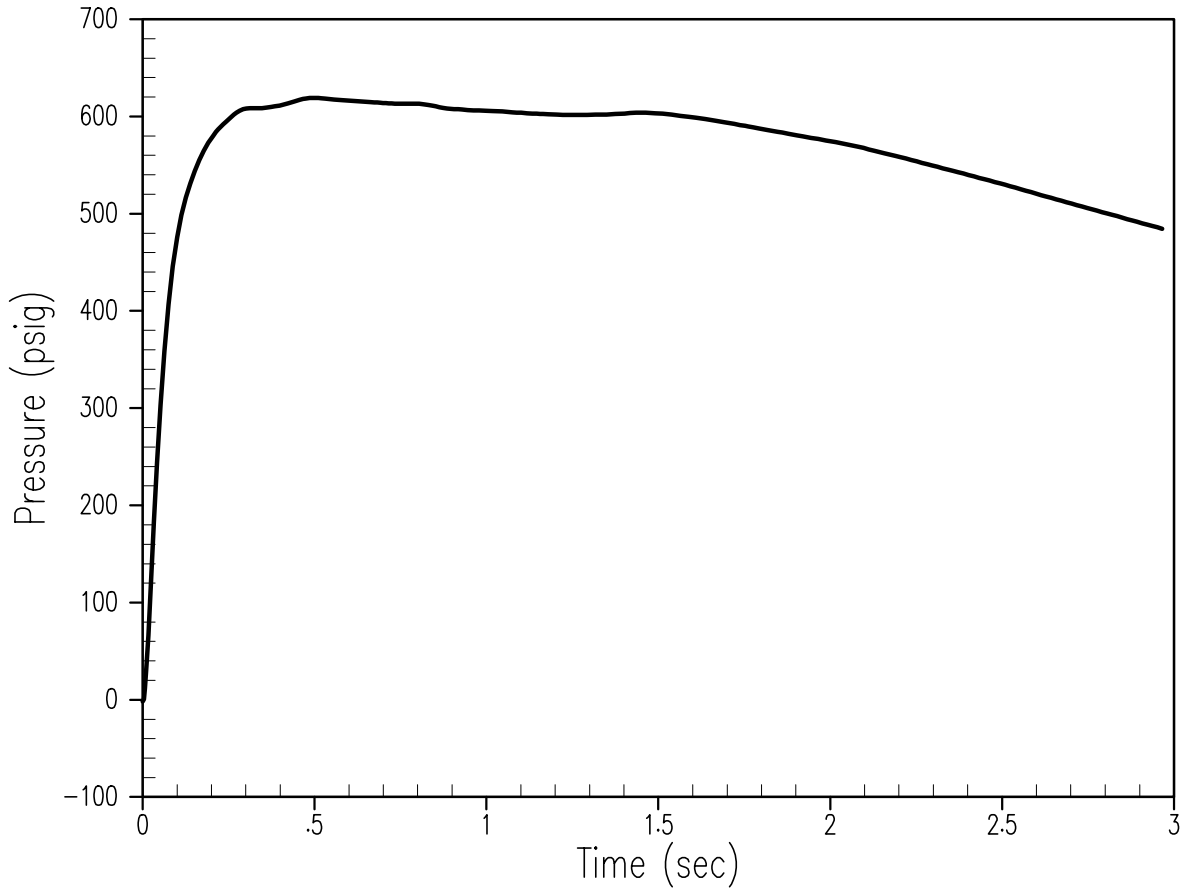
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Reactor Cavity Subcompartment**

UFSAR Figure: **14.3.4-126**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

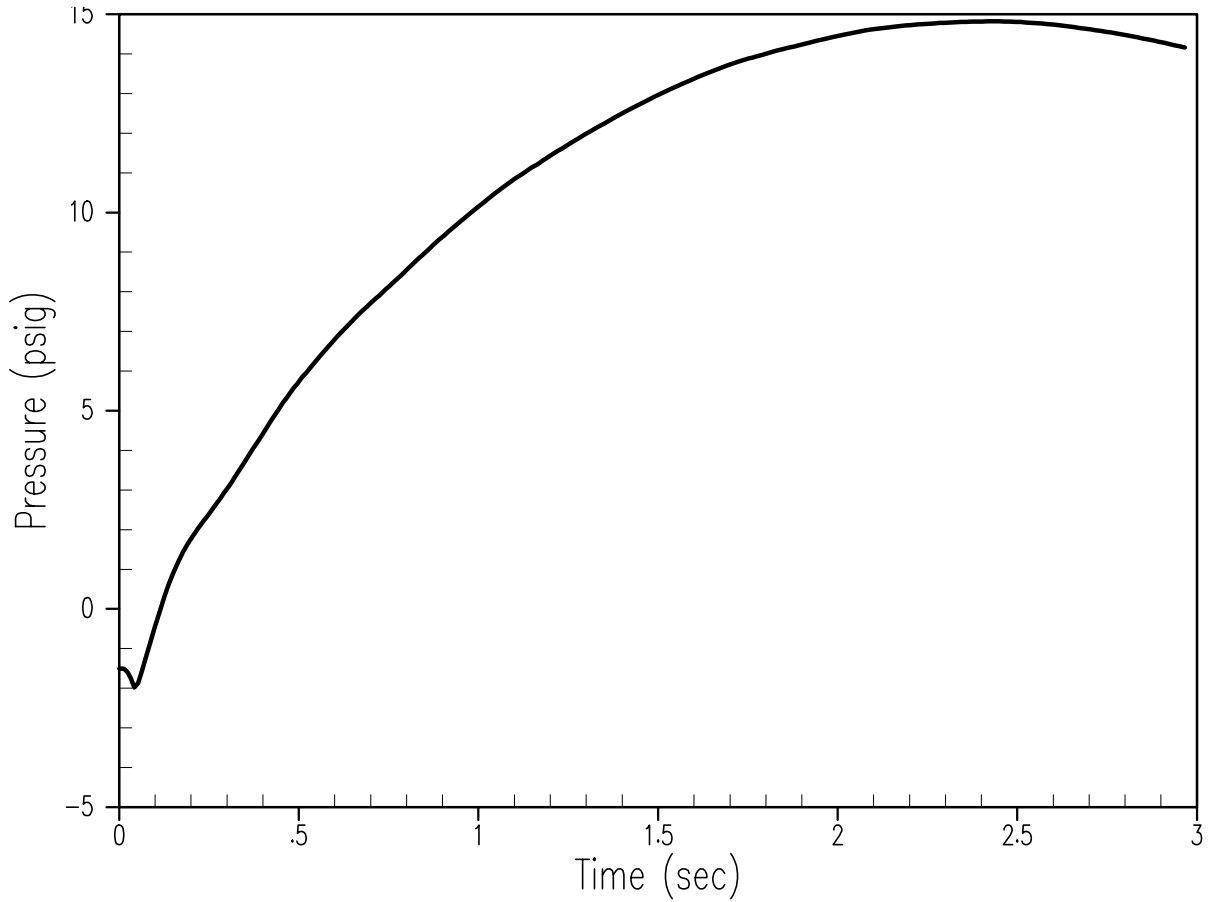
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Reactor Cavity Subcompartment**

UFSAR Figure: **14.3.4-127**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

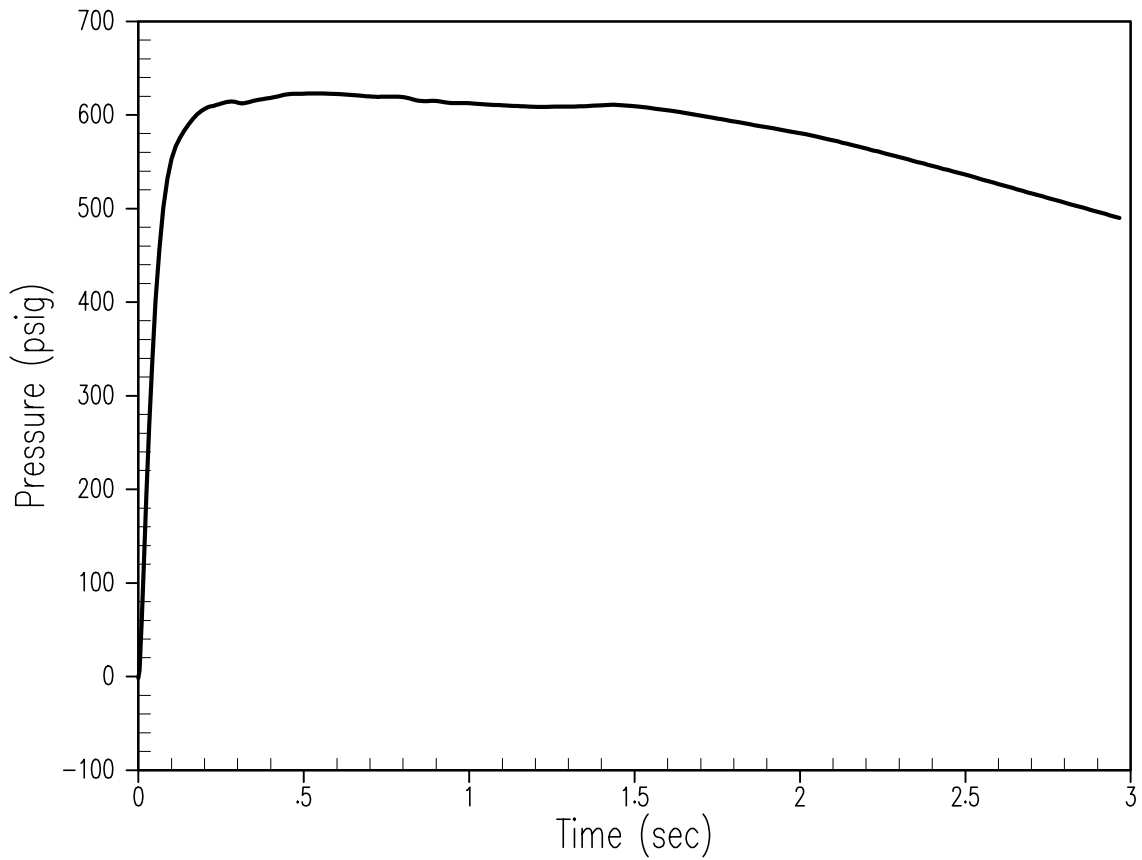
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Reactor Cavity Subcompartment**

UFSAR Figure: **14.3.4-128**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

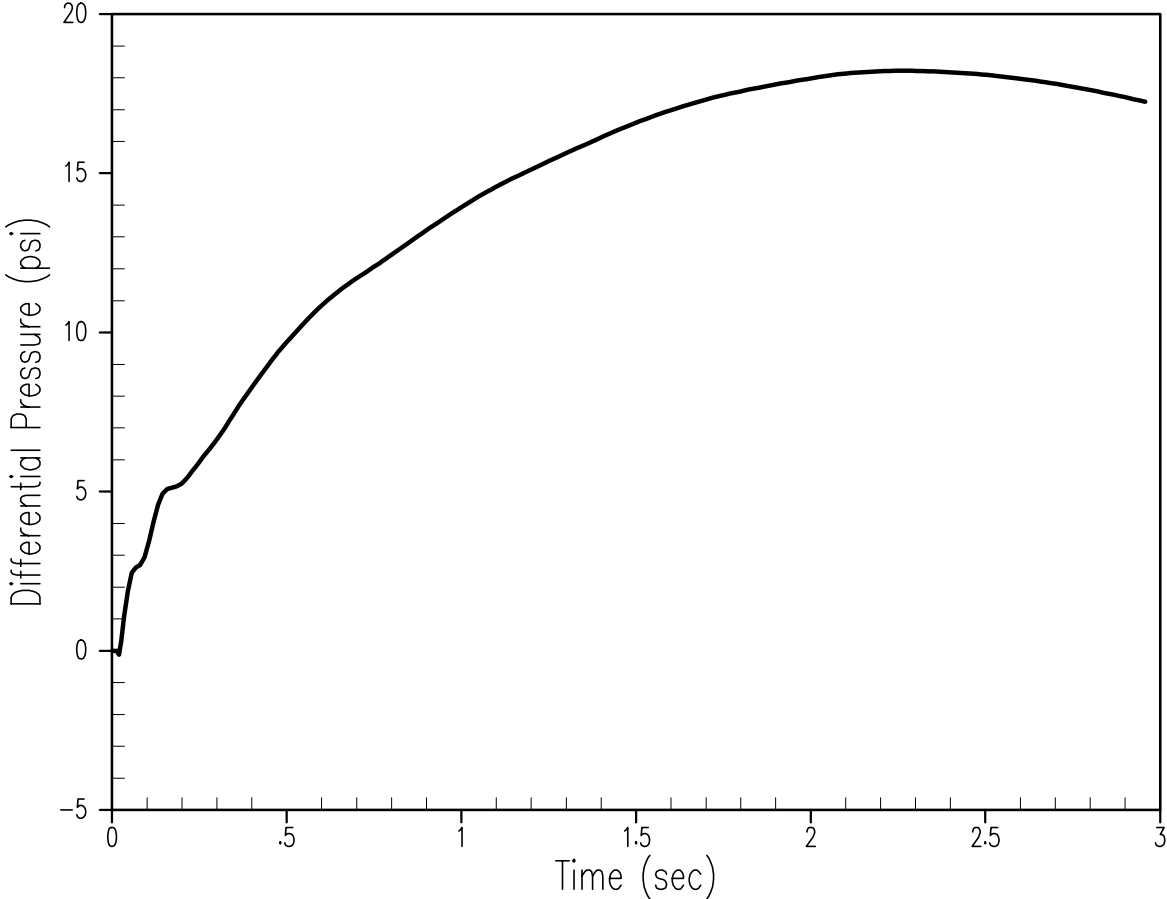
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Pressure Time History
Reactor Cavity Subcompartment**

UFSAR Figure: **14.3.4-129**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

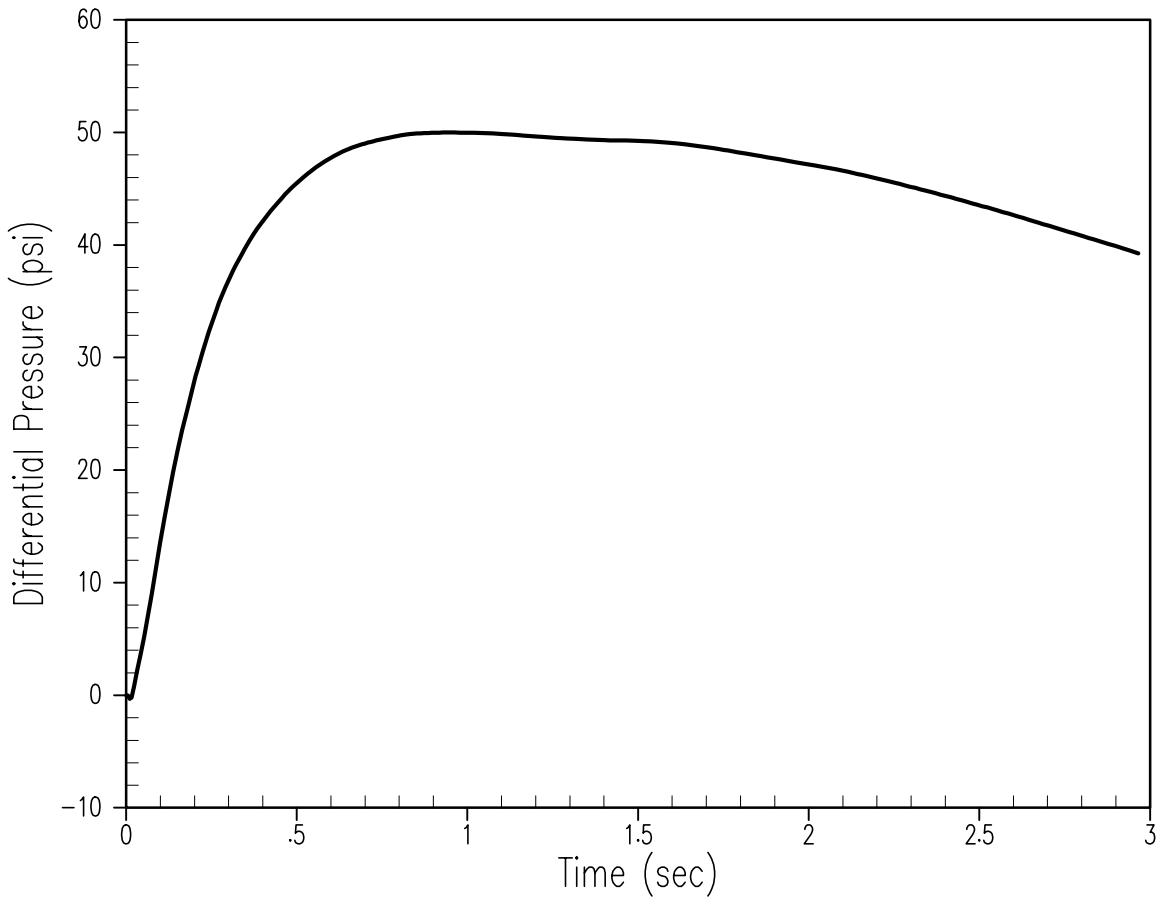
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Time History
Reactor Cavity Subcompartment**

UFSAR Figure: **14.3.4-130**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

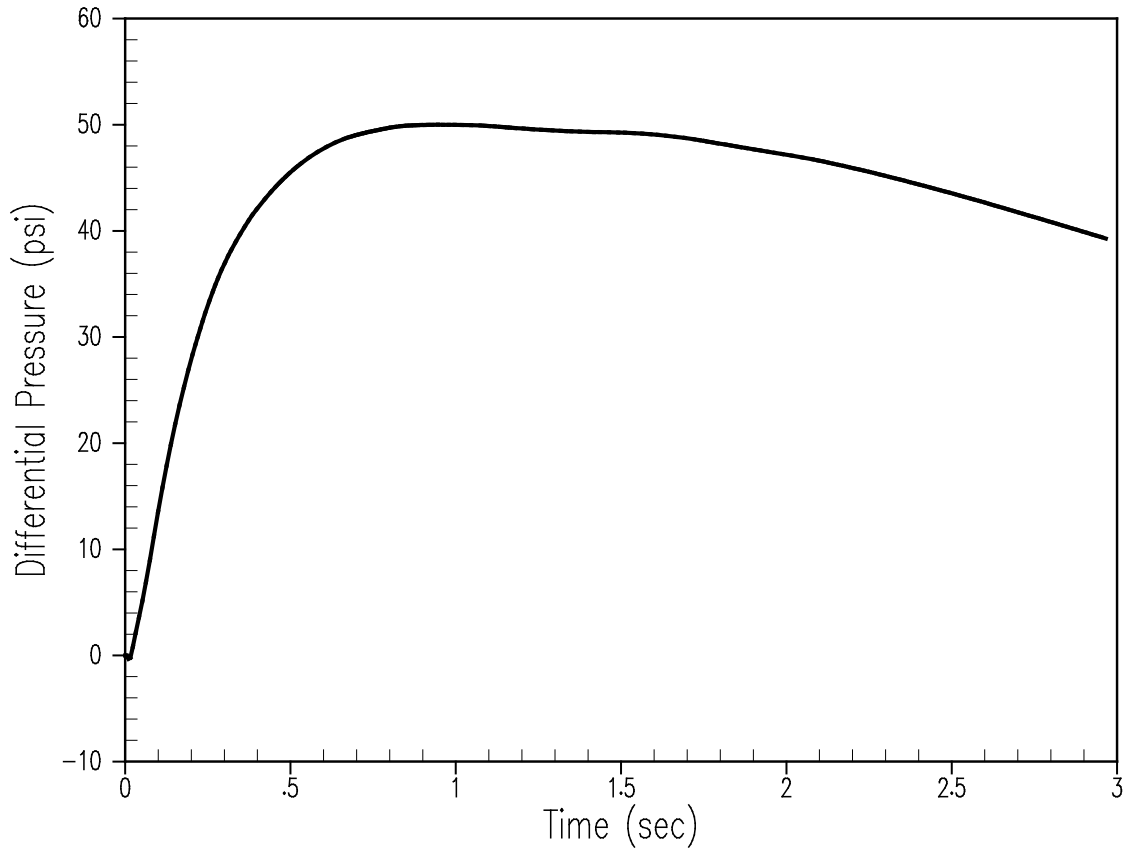
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Time History
Reactor Cavity Subcompartment**

UFSAR Figure: **14.3.4-131**

Sheet 1 of 1

UFSAR Revision 30.0



“This figure is not updated because it is considered as a representative for the TMD analysis. UCR-1923 provides details for minor increase (1.6928%) in operating deck accident pressure”.

Revision: **22.1**

Change Description: **UCR-1923**

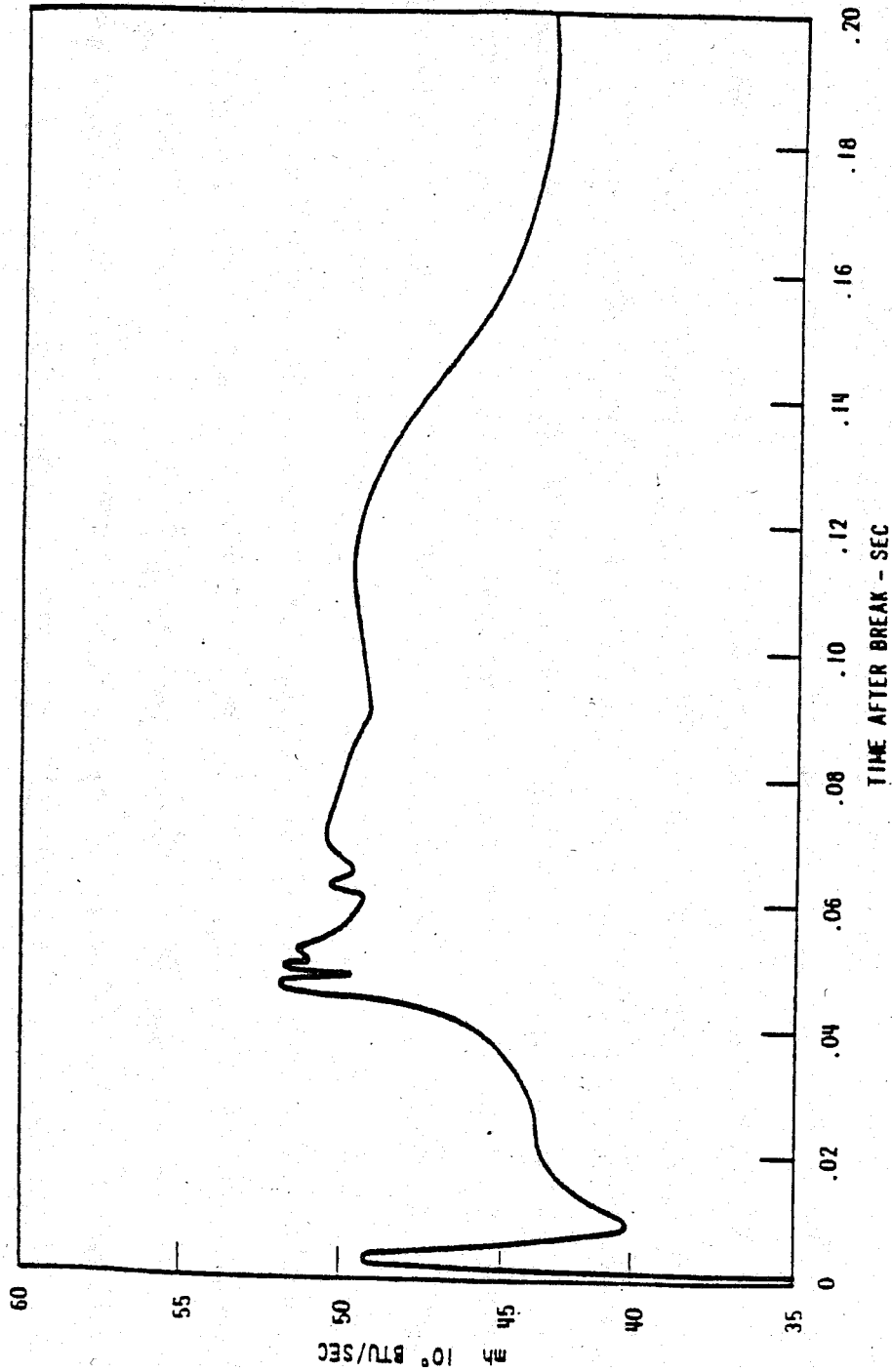
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cook Unit 1 & 2
Differential Pressure Time History
Reactor Cavity Subcompartment**

UFSAR Figure: **14.3.4-132**

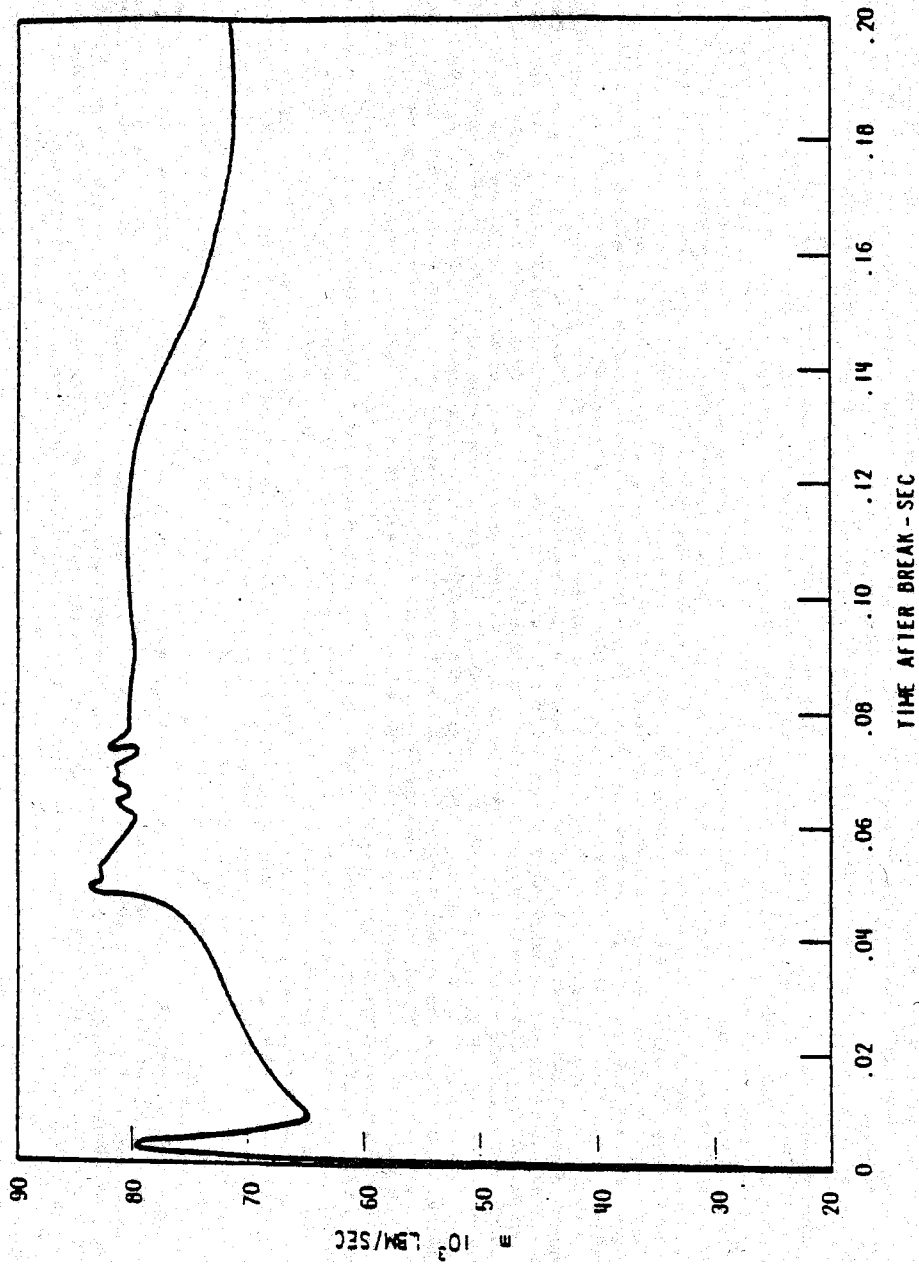
Sheet 1 of 1

UFSAR Revision 30.0



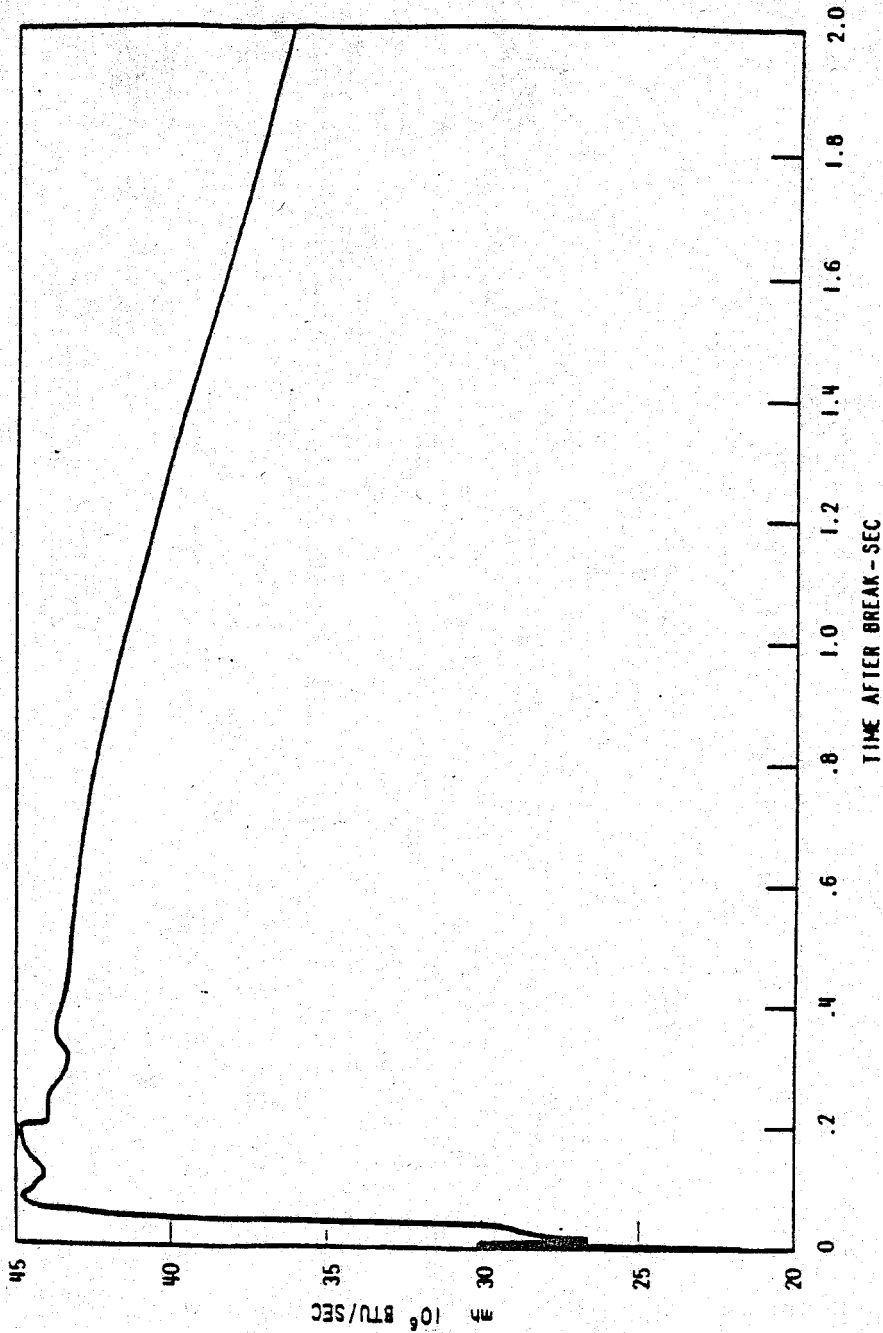
Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Hot Leg Double Ended Guillotine Full Power mh Transient	
	UFSAR Figure: 14.3.4-133	Sheet 1 of 1

UFSAR Revision 30.0



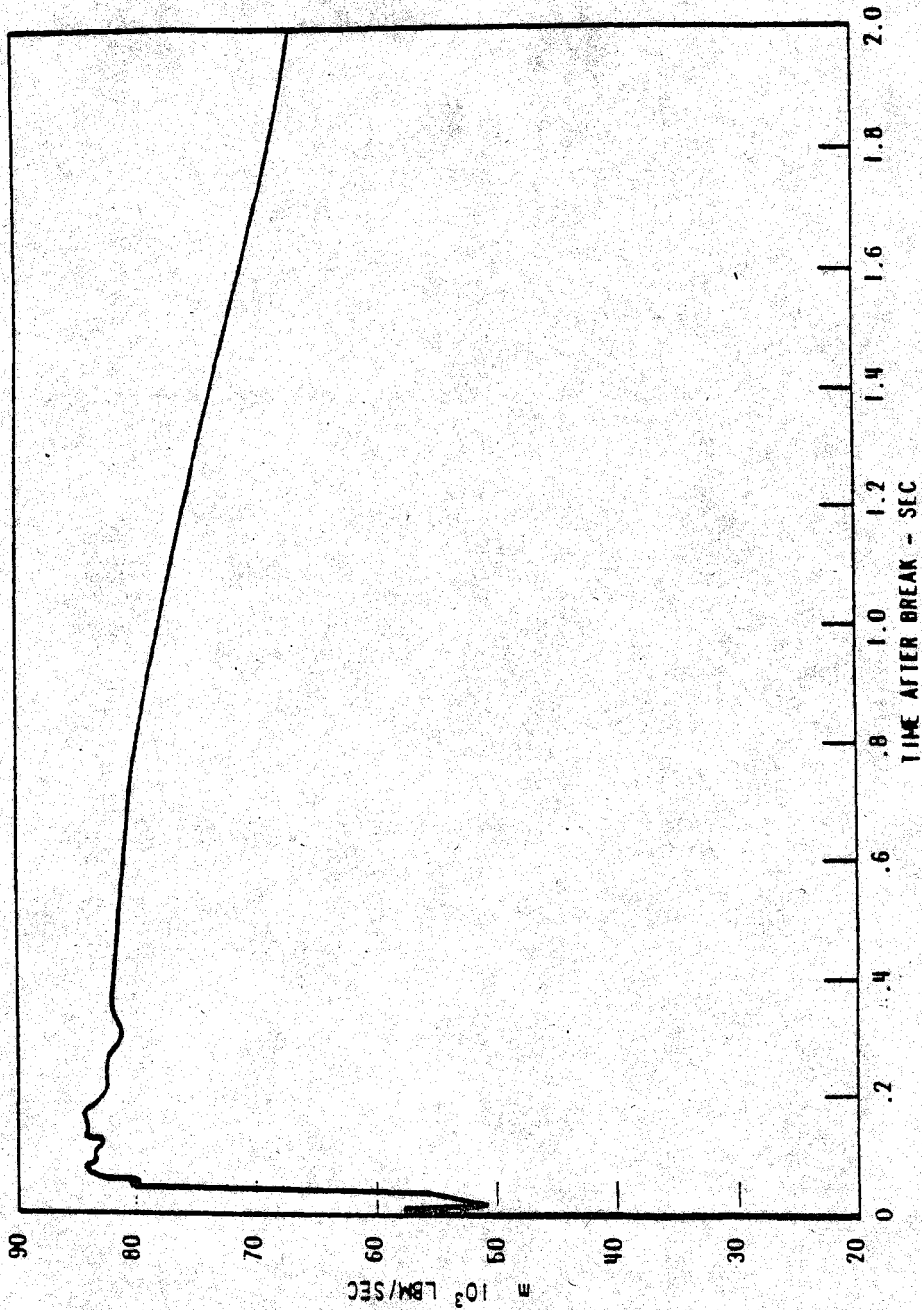
Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Hot Leg Double Ended Guillotine Full Power m Transient	
	UFSAR Figure: 14.3.4-134	Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1	Change Description: UCR-850	
<p align="center">AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN</p>	<p align="center">Title: Cold Leg Double Ended Guillotine Full Power Condition mh Transient</p>	
	UFSAR Figure: 14.3.4-135	Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

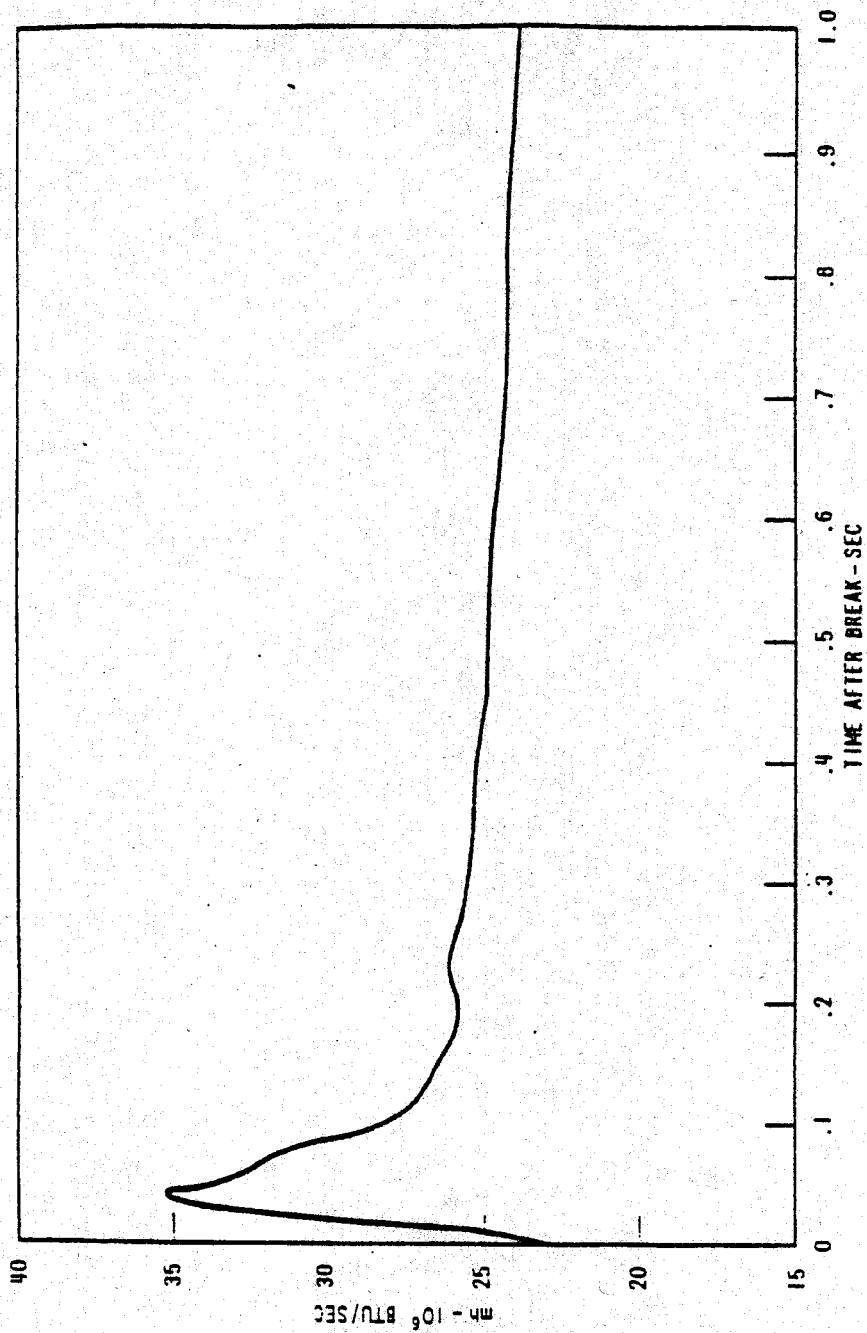
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Cold Leg Double Ended Guillotine Full Power
Condition m Transient**

UFSAR Figure: **14.3.4-136**

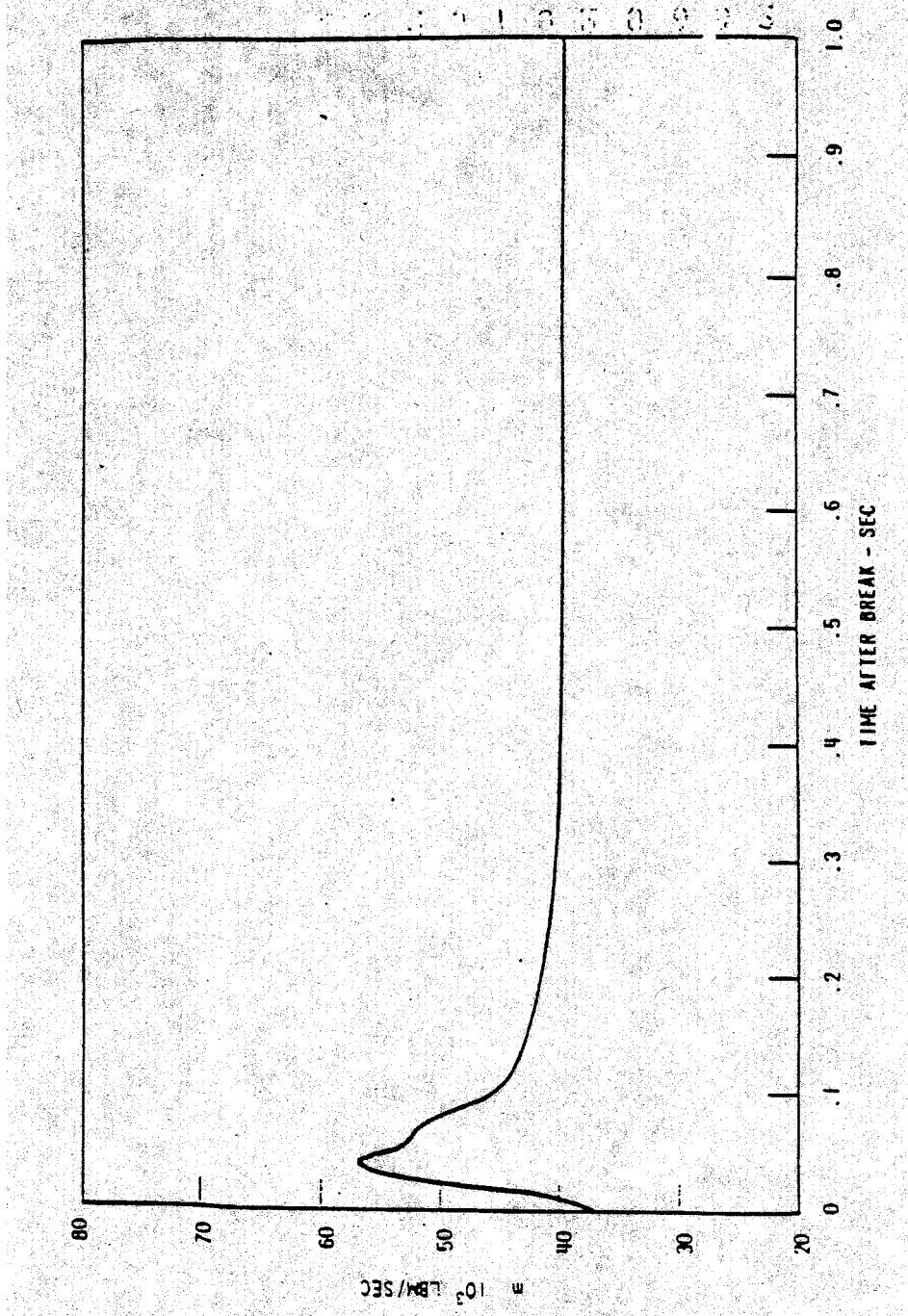
Sheet 1 of 1

UFSAR Revision 30.0



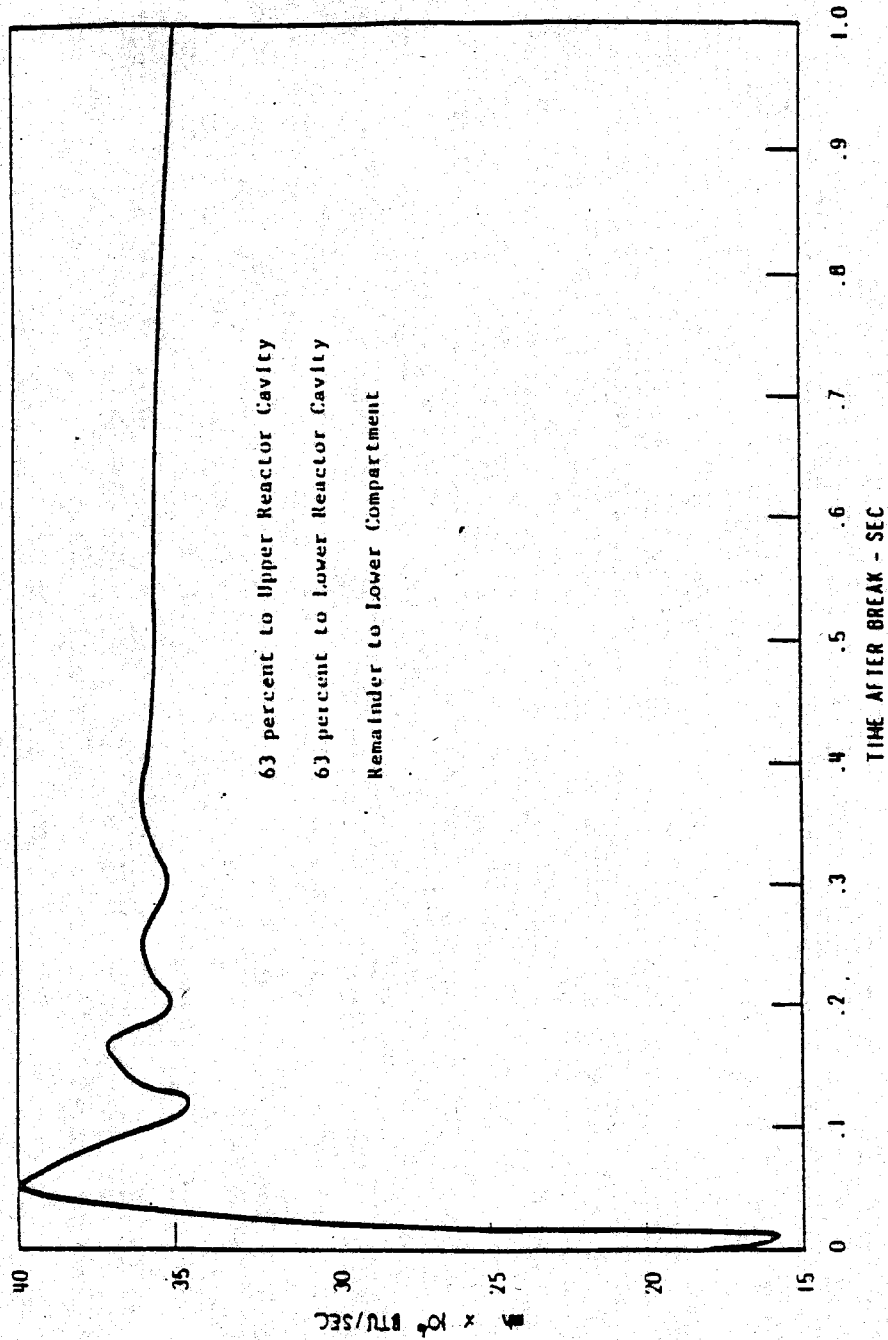
Revision: 17.1	Change Description: UCR-850	
<p align="center">AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN</p>	<p align="center">Title: Hot Leg Single Ended Split Full Power Condition mh Transient</p>	
	UFSAR Figure: 14.3.4-137	Sheet 1 of 1

UFSAR Revision 30.0

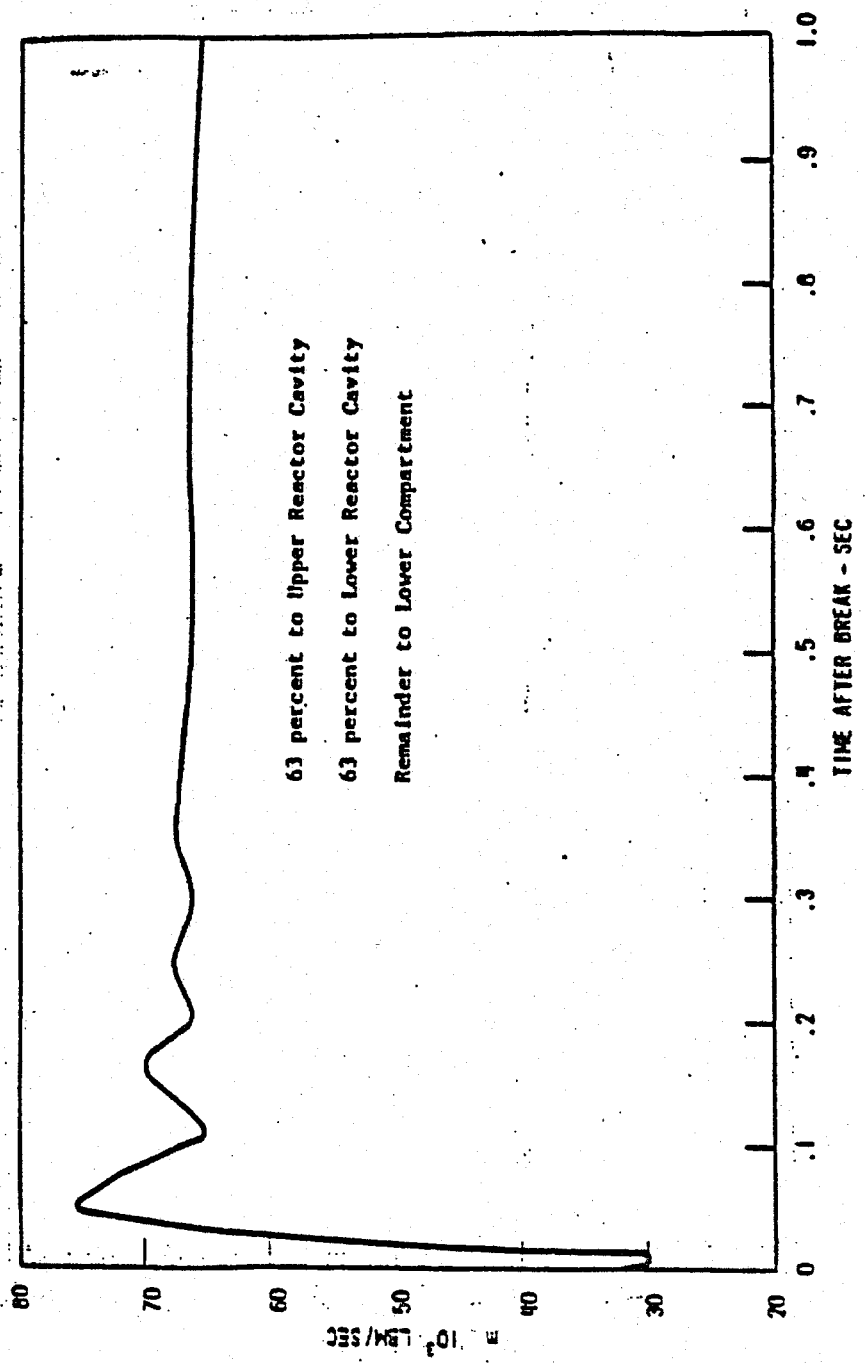


Revision: 17.1	Change Description: UCR-850	
<p>AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN</p>	<p>Title: Hot Leg Single Ended Split Full Power Condition m Transient</p>	
	UFSAR Figure: 14.3.4-138	Sheet 1 of 1

UFSAR Revision 30.0

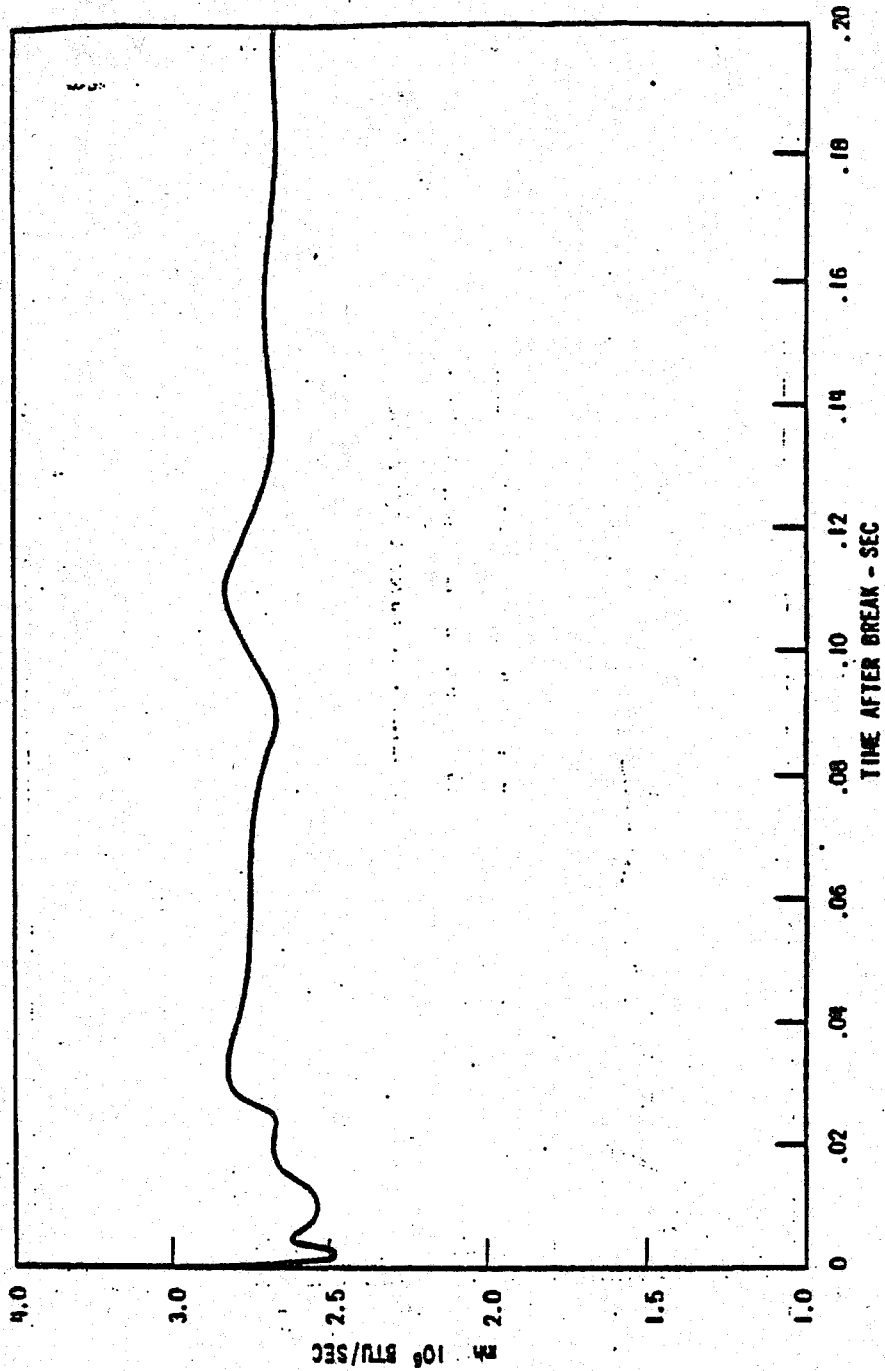


Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Cold Leg Single Ended Split Full Power mh Transient	
	<table style="width: 100%; border: none;"> <tr> <td style="width: 70%; border: none;">UFSAR Figure: 14.3.4-139</td> <td style="width: 30%; border: none; text-align: right;">Sheet 1 of 1</td> </tr> </table>	UFSAR Figure: 14.3.4-139
UFSAR Figure: 14.3.4-139	Sheet 1 of 1	



Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Cold Leg Single Ended Split Full Power m Transient	
	UFSAR Figure: 14.3.4-140	Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1

Change Description: UCR-850

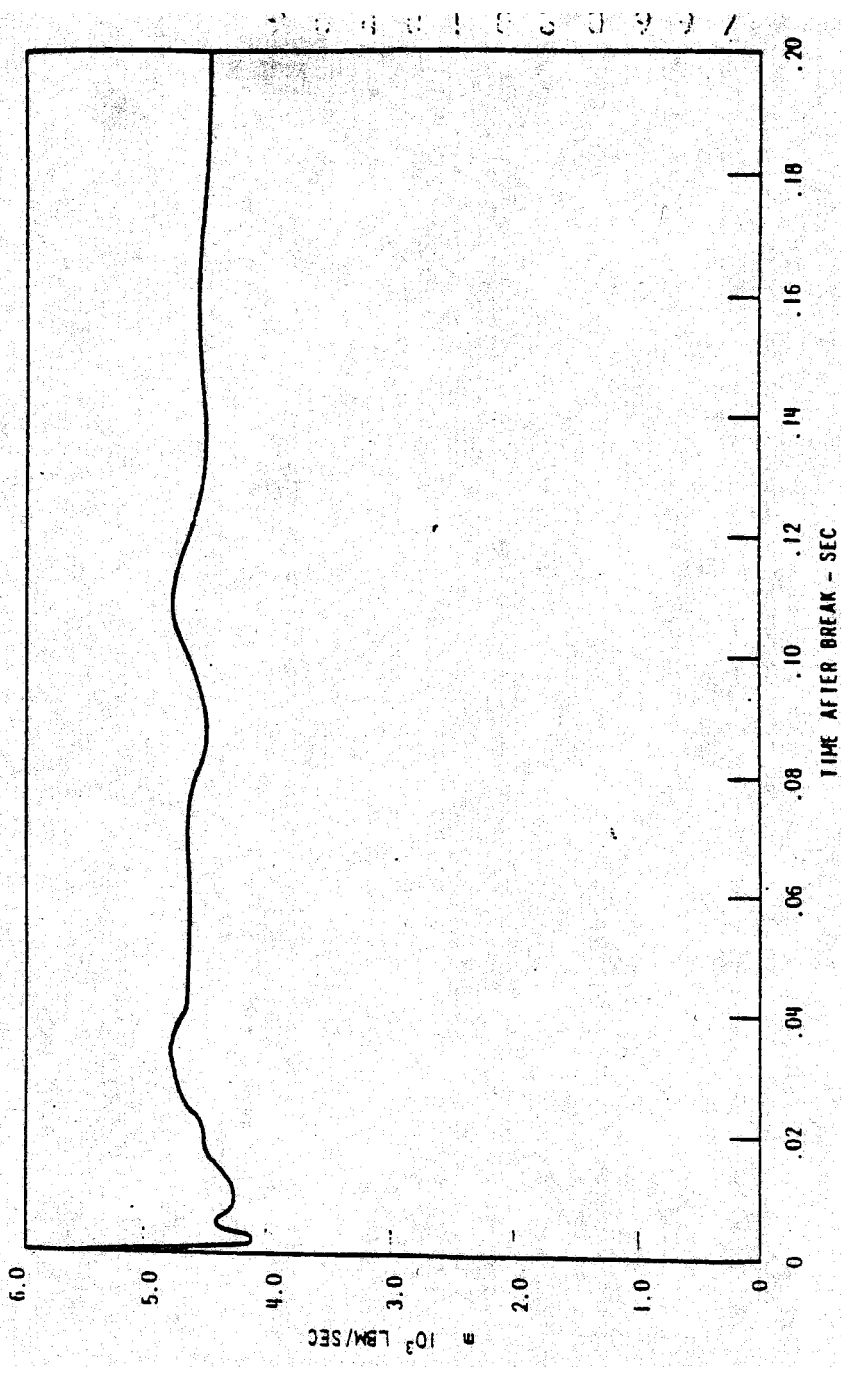
AMERICAN ELECTRIC POWER
 COOK NUCLEAR PLANT
 NUCLEAR GENERATION GROUP
 BRIDGMAN, MICHIGAN

Title: Pressurizer Spray Line mh Transient

UFSAR Figure: 14.3.4-141

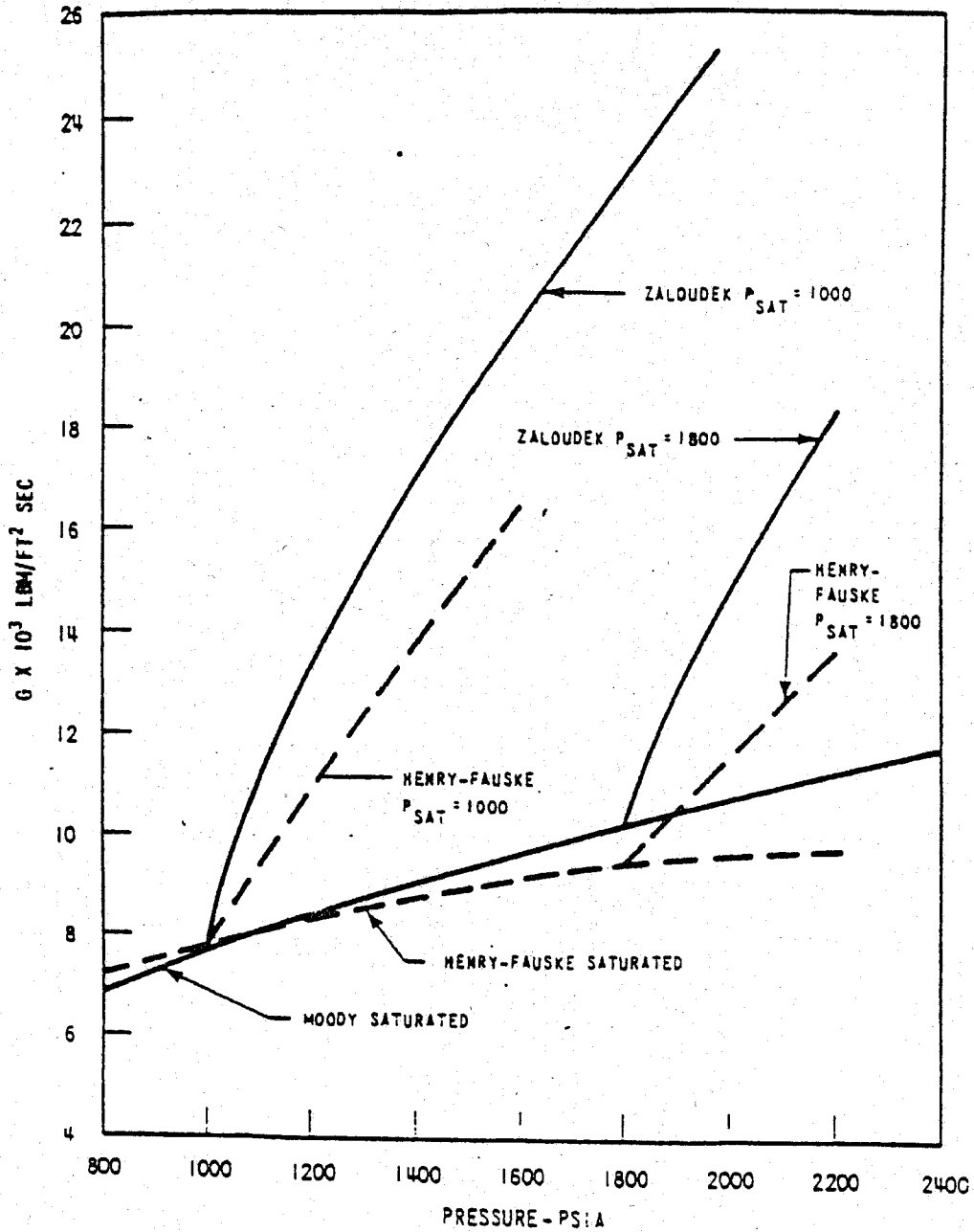
Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1	Change Description: UCR-850	
<p>AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN</p>	Title: Pressurizer Spray Line m Transient	
	UFSAR Figure: 14.3.4-142	Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

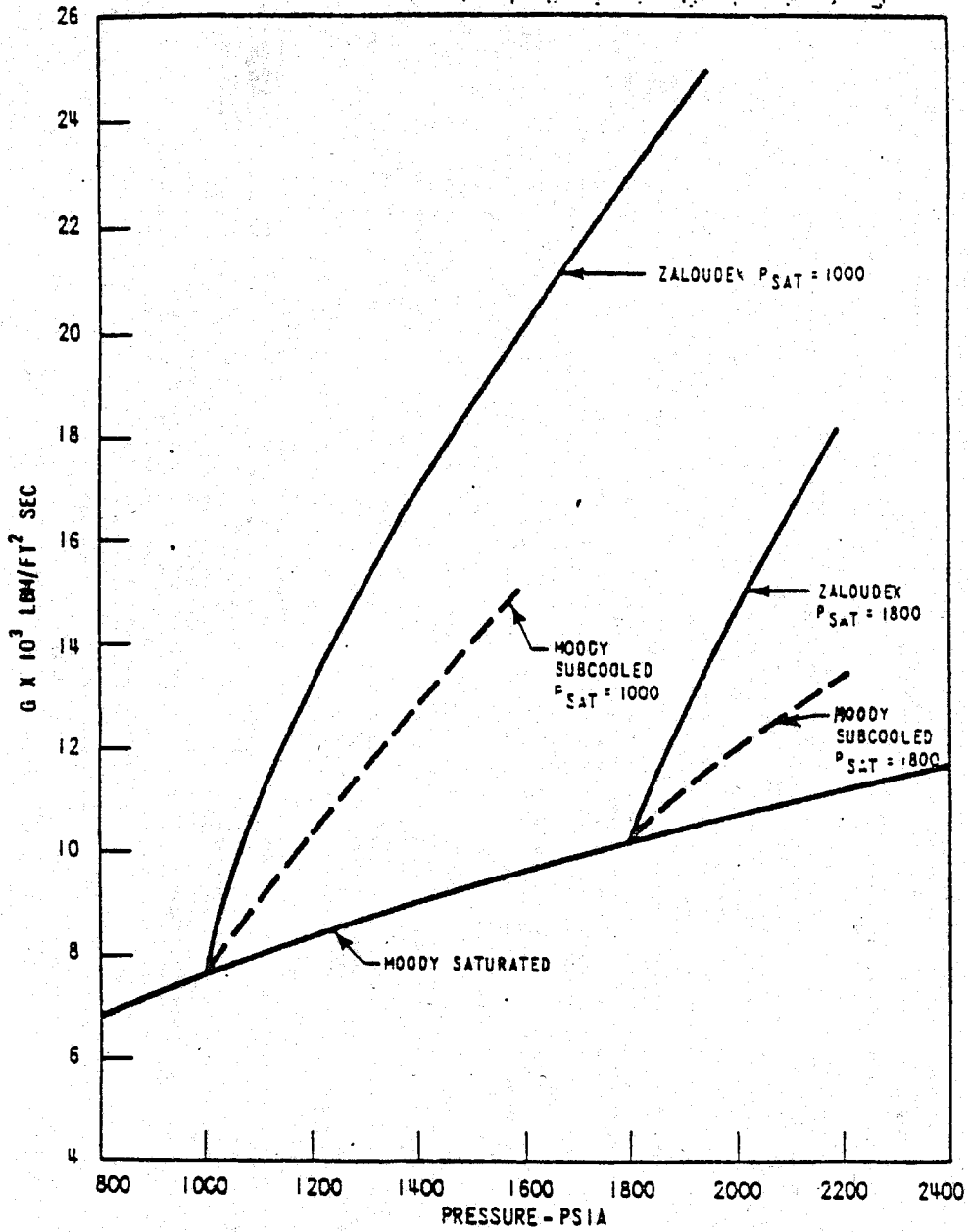
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Comparison of Satan (Zaloudek-Moody) to Henry-Fauske**

UFSAR Figure: **14.3.4-143**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

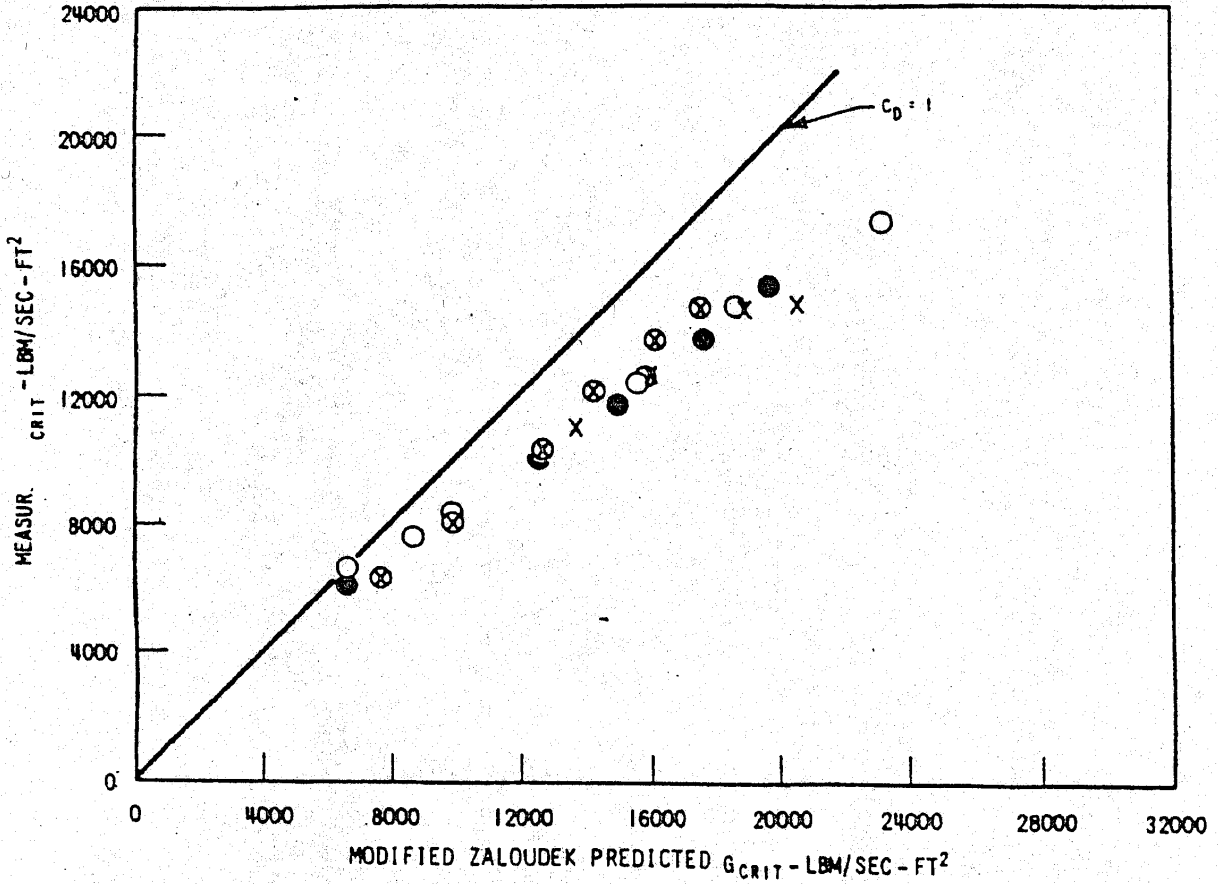
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Comparison of Satan (Zaloudek) to Moody Subcooled**

UFSAR Figure: **14.3.4-144**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

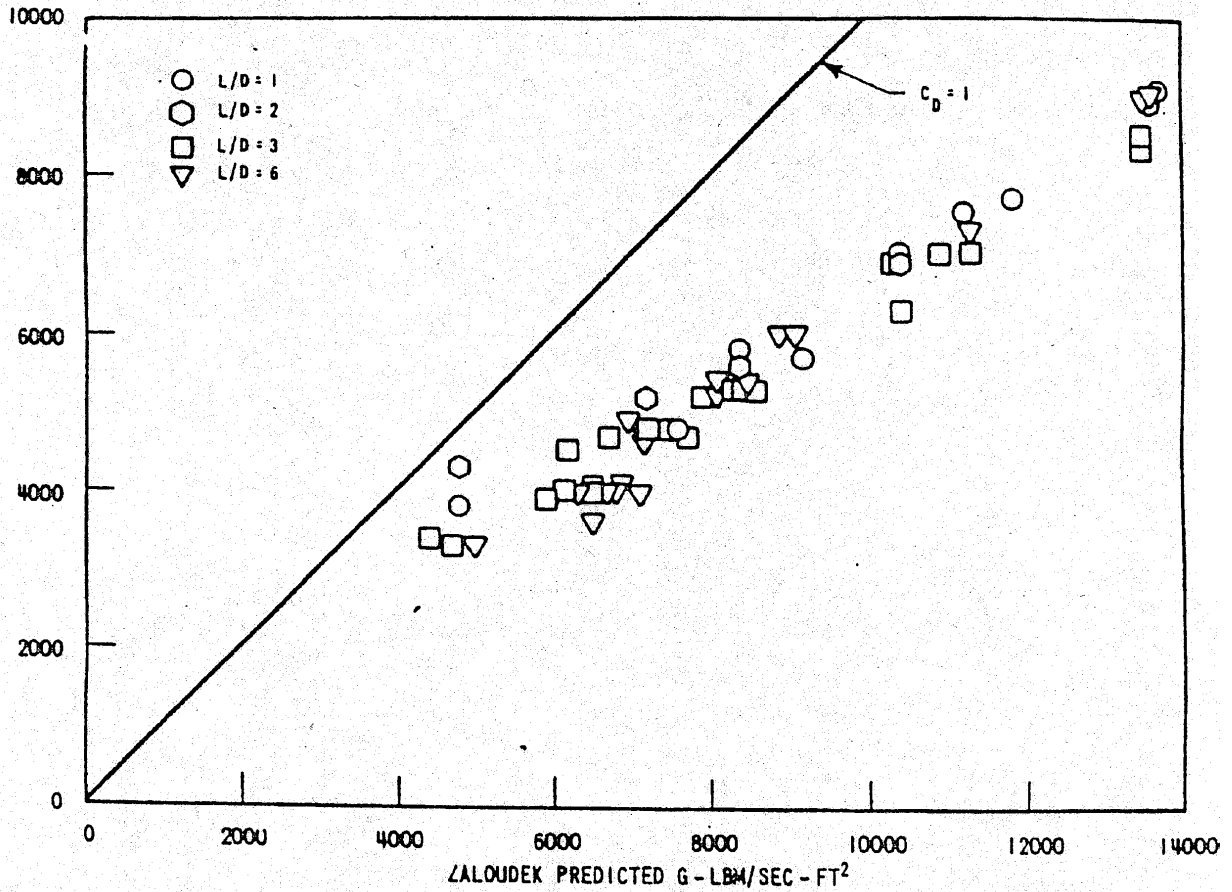
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Zaloudek Measured Data versus Modified
Zaloudek Corp.**

UFSAR Figure: **14.3.4-145**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

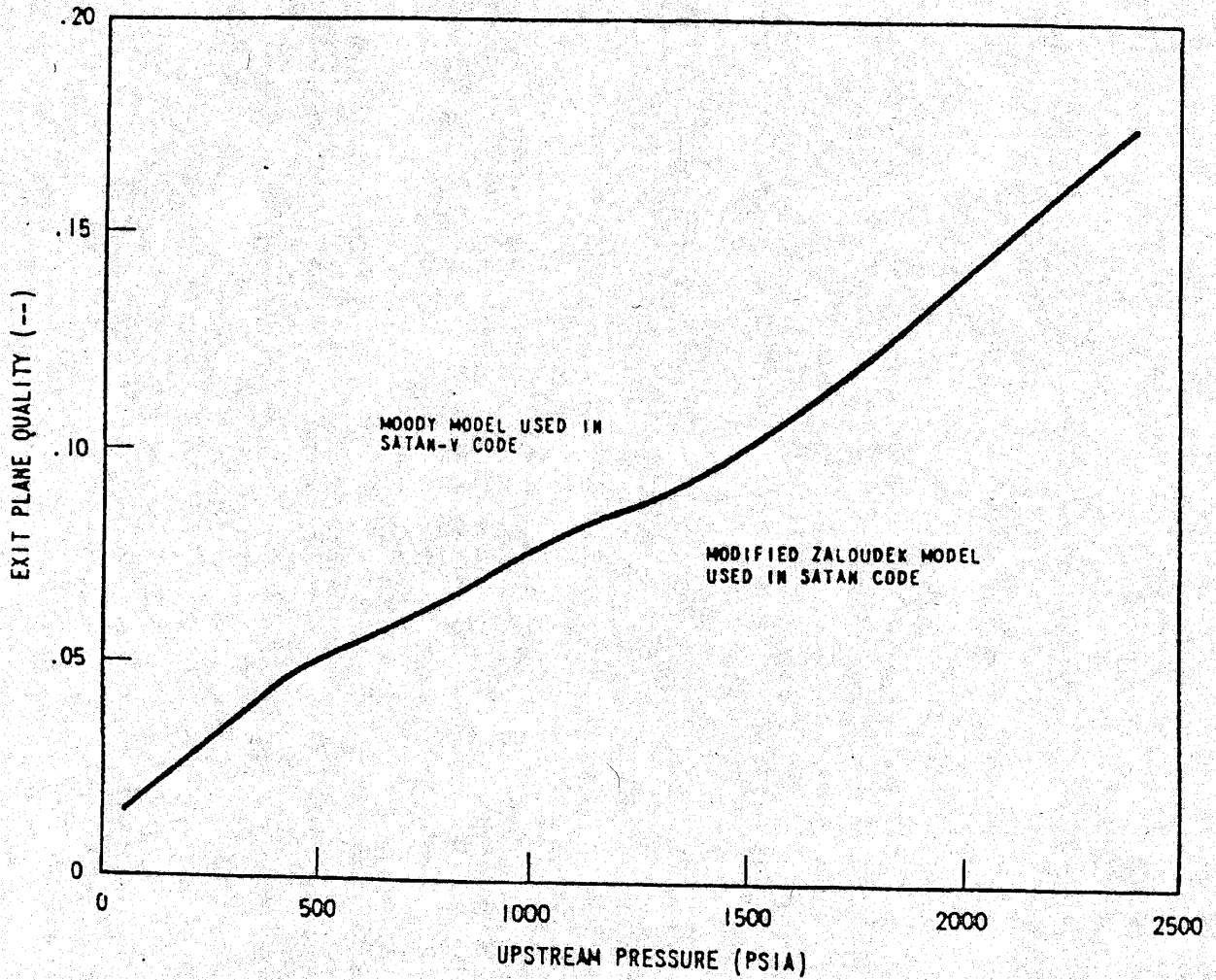
Change Description: **UCR-850**

**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Zaloudek Short Tube Data**

UFSAR Figure: **14.3.4-146**

Sheet 1 of 1



Revision: 17.1

Change Description: UCR-850

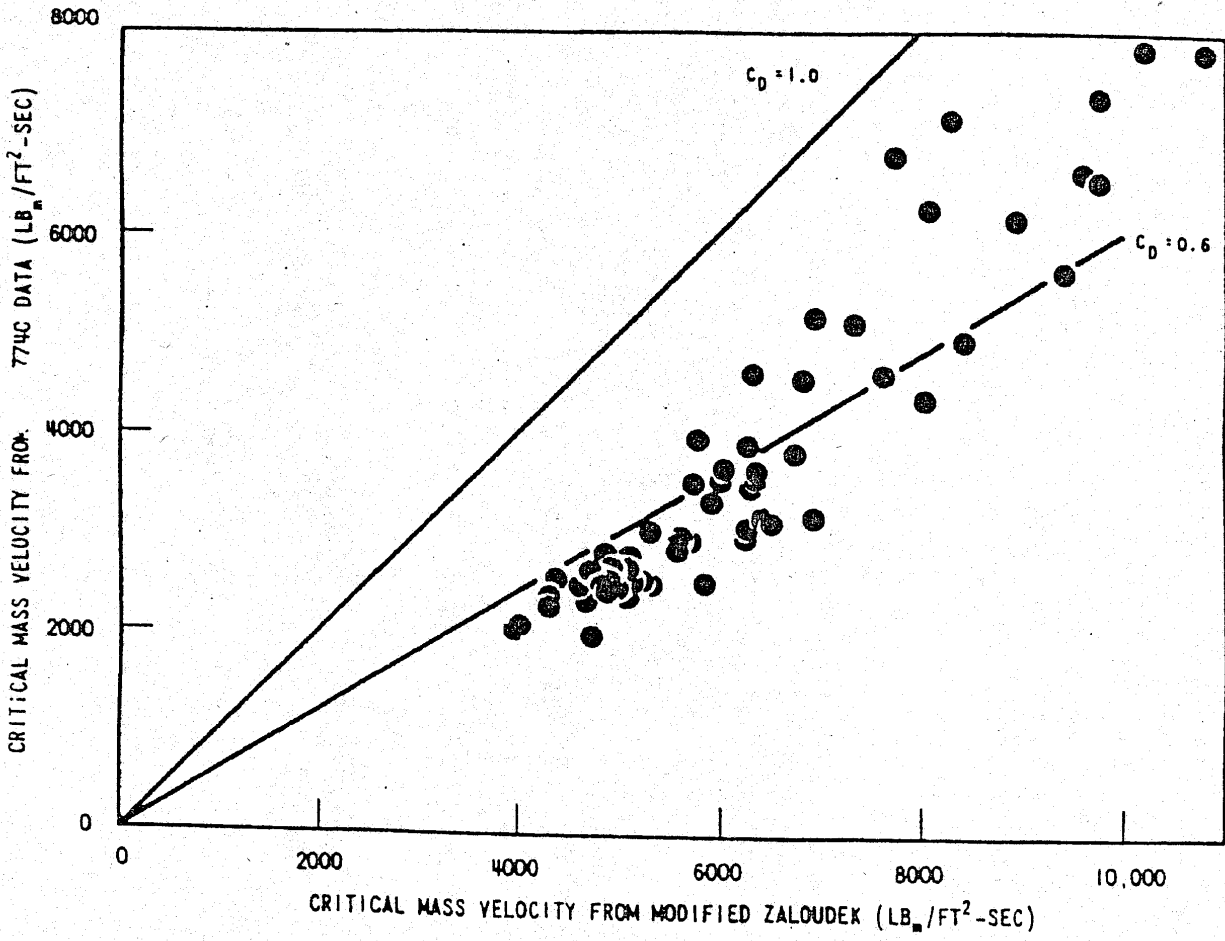
AMERICAN ELECTRIC POWER
 COOK NUCLEAR PLANT
 NUCLEAR GENERATION GROUP
 BRIDGMAN, MICHIGAN

Title: Exit Plane Quality as a Function of Upstream Pressure for Saturated Liquid (Moody Model)

UFSAR Figure: 14.3.4-147

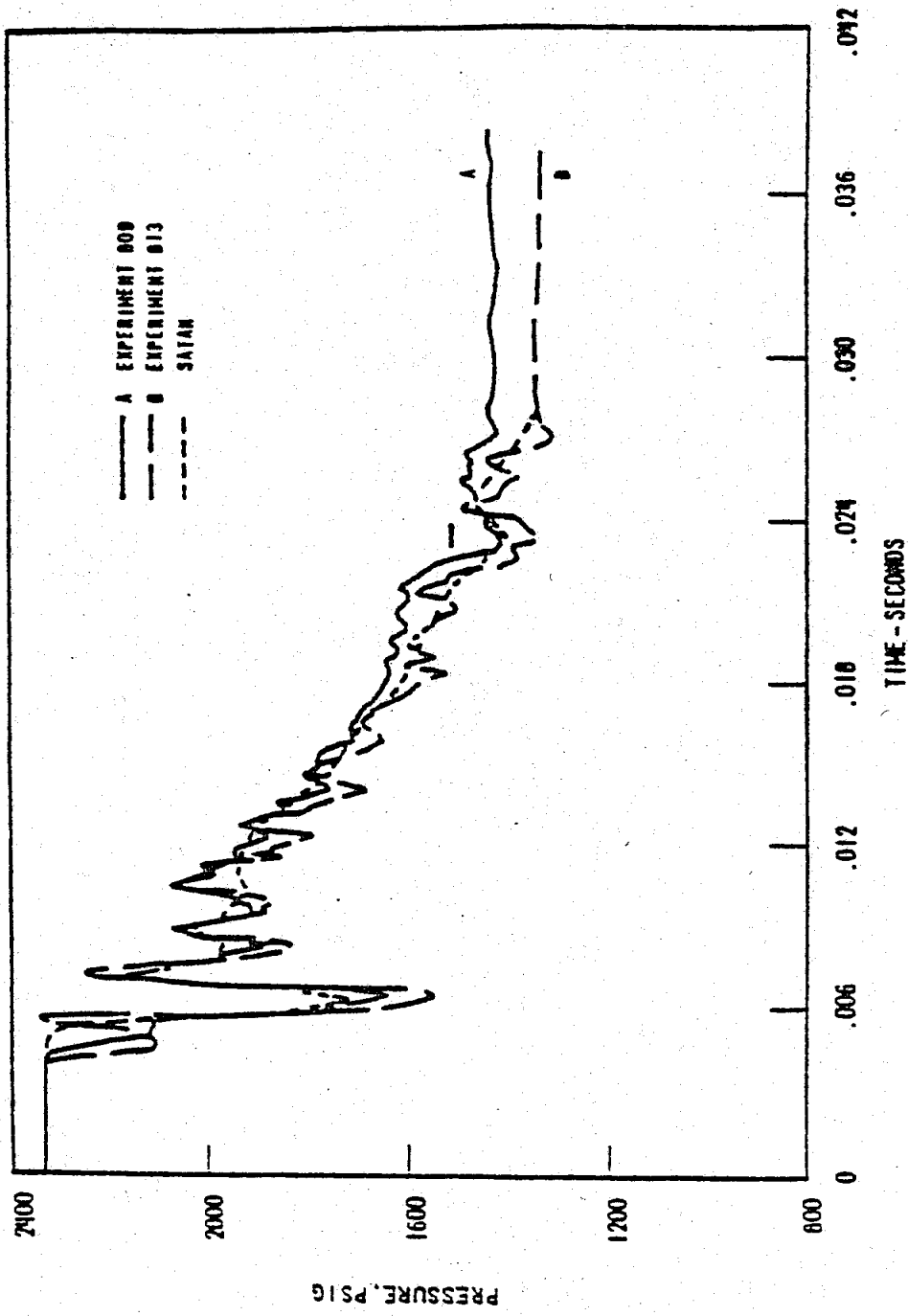
Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Henry ANL 7740 Data	
	<table style="width: 100%; border: none;"> <tr> <td style="width: 70%; border: none;">UFSAR Figure: 14.3.4-148</td> <td style="width: 30%; border: none; text-align: right;">Sheet 1 of 1</td> </tr> </table>	UFSAR Figure: 14.3.4-148
UFSAR Figure: 14.3.4-148	Sheet 1 of 1	

UFSAR Revision 30.0



Revision: 17.1

Change Description: UCR-850

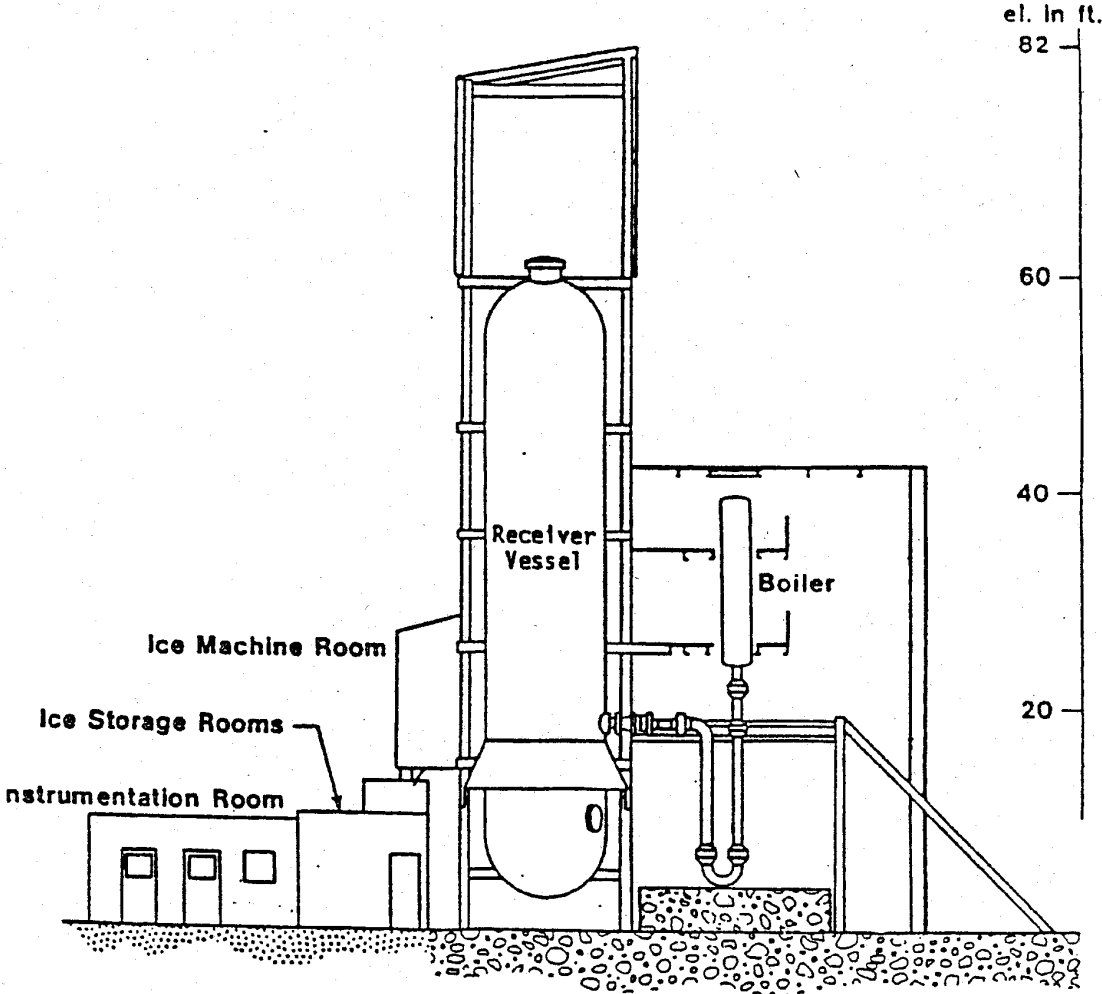
AMERICAN ELECTRIC POWER
 COOK NUCLEAR PLANT
 NUCLEAR GENERATION GROUP
 BRIDGMAN, MICHIGAN

Title: Loft Tests 809 and 813 Pressure Gage P-1
 (Near Rupture)

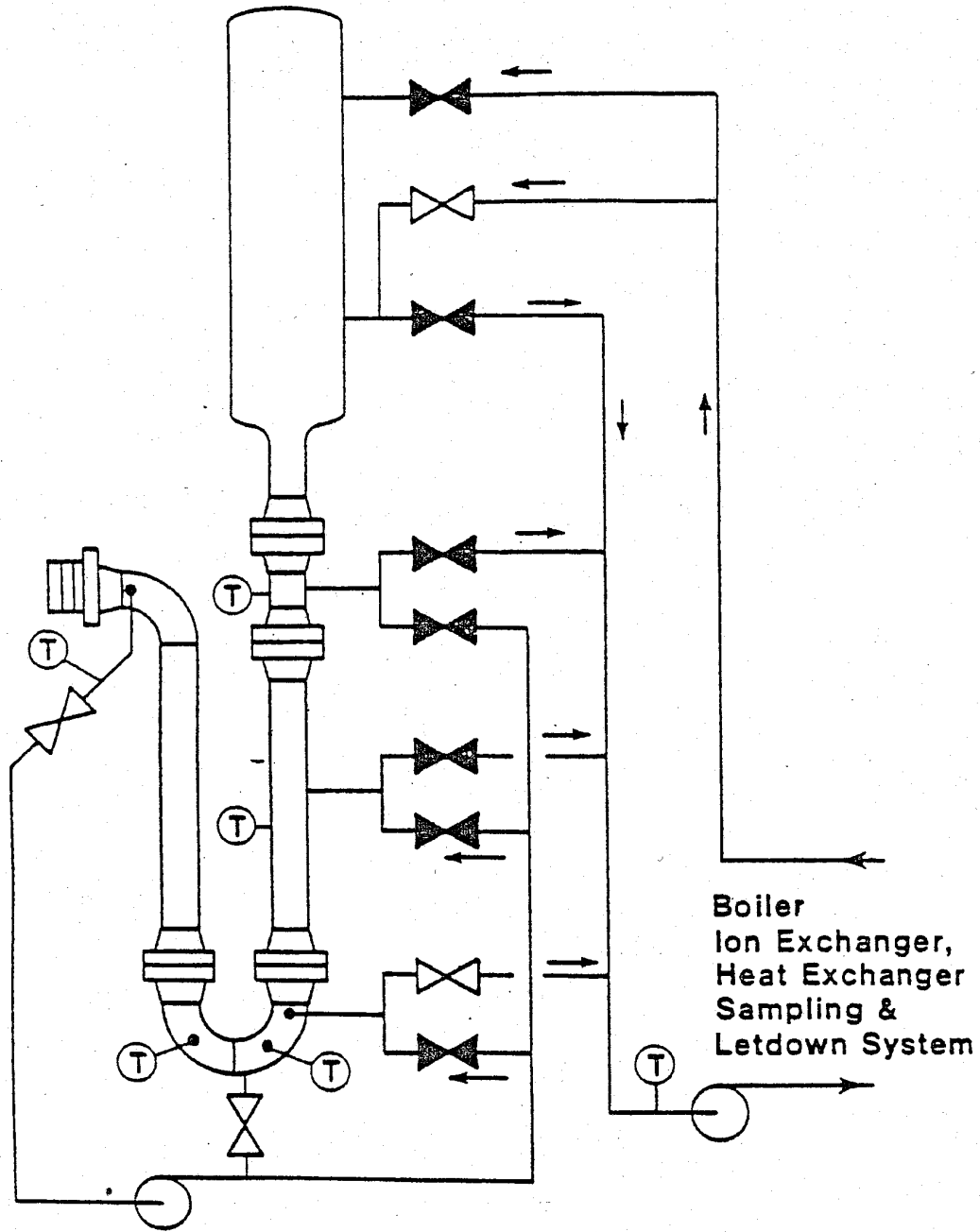
UFSAR Figure: 14.3.4-149

Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1	Change Description: UCR-850	
<p align="center">AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN</p>	Title: Full-Scale Section Test Facility	
	UFSAR Figure: 14.3.4-150	Sheet 1 of 1



Revision: 17.1

Change Description: UCR-850

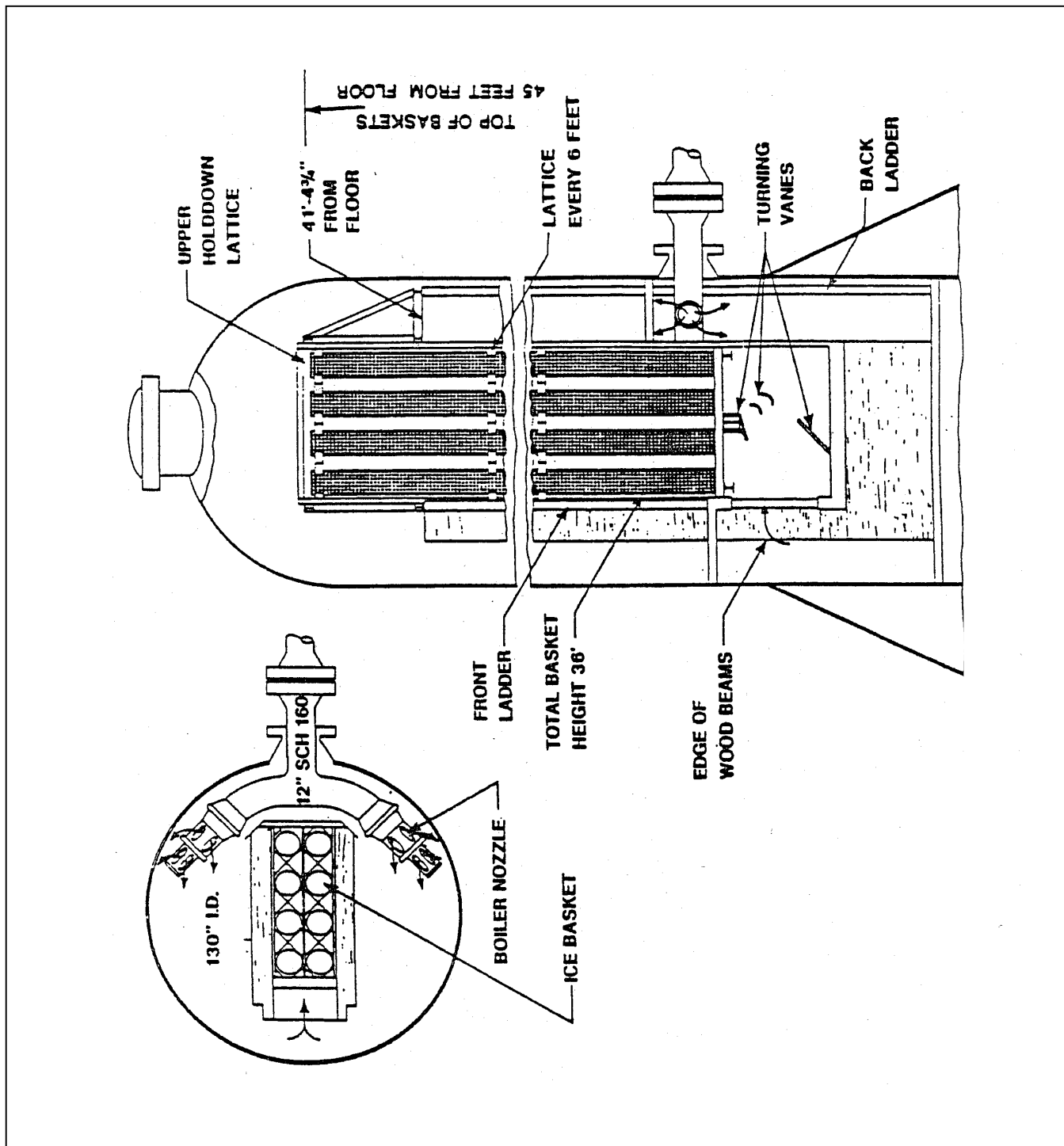
AMERICAN ELECTRIC POWER
 COOK NUCLEAR PLANT
 NUCLEAR GENERATION GROUP
 BRIDGMAN, MICHIGAN

Title: Discharge Piping Circulation Pump

UFSAR Figure: 14.3.4-151

Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1

Change Description: UCR-850

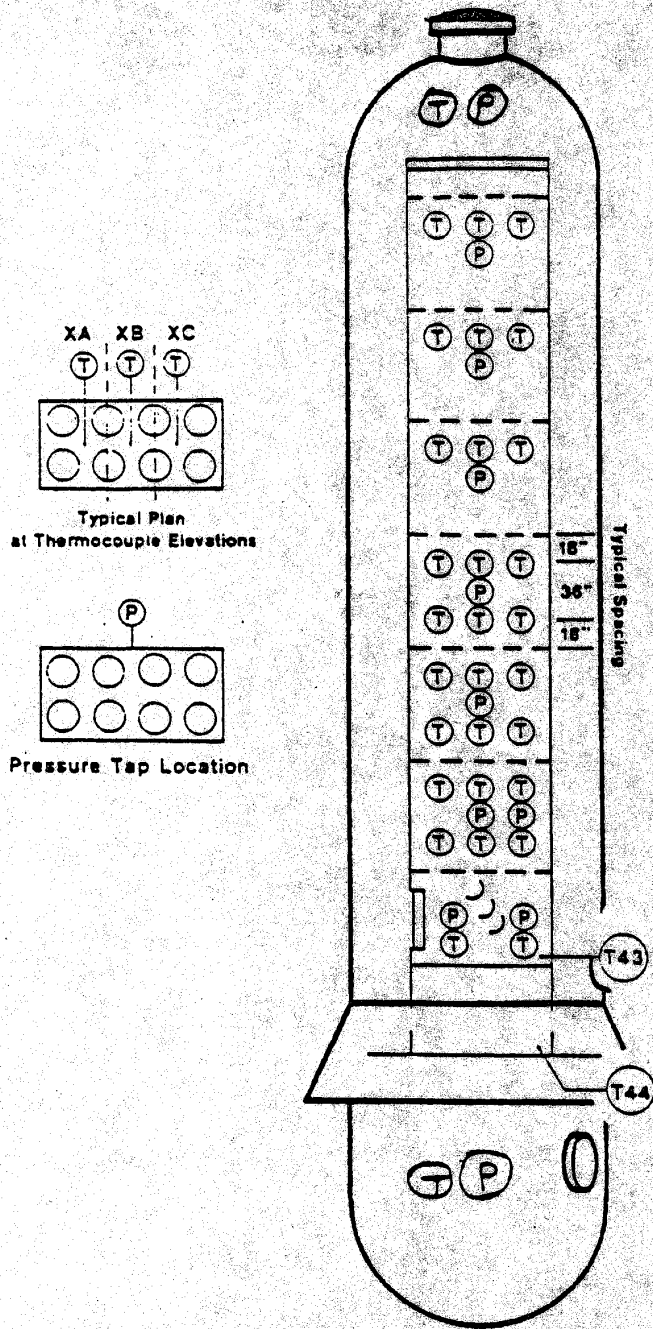
AMERICAN ELECTRIC POWER
 COOK NUCLEAR PLANT
 NUCLEAR GENERATION GROUP
 BRIDGMAN, MICHIGAN

Title: Receiver Vessel

UFSAR Figure: 14.3.4-152

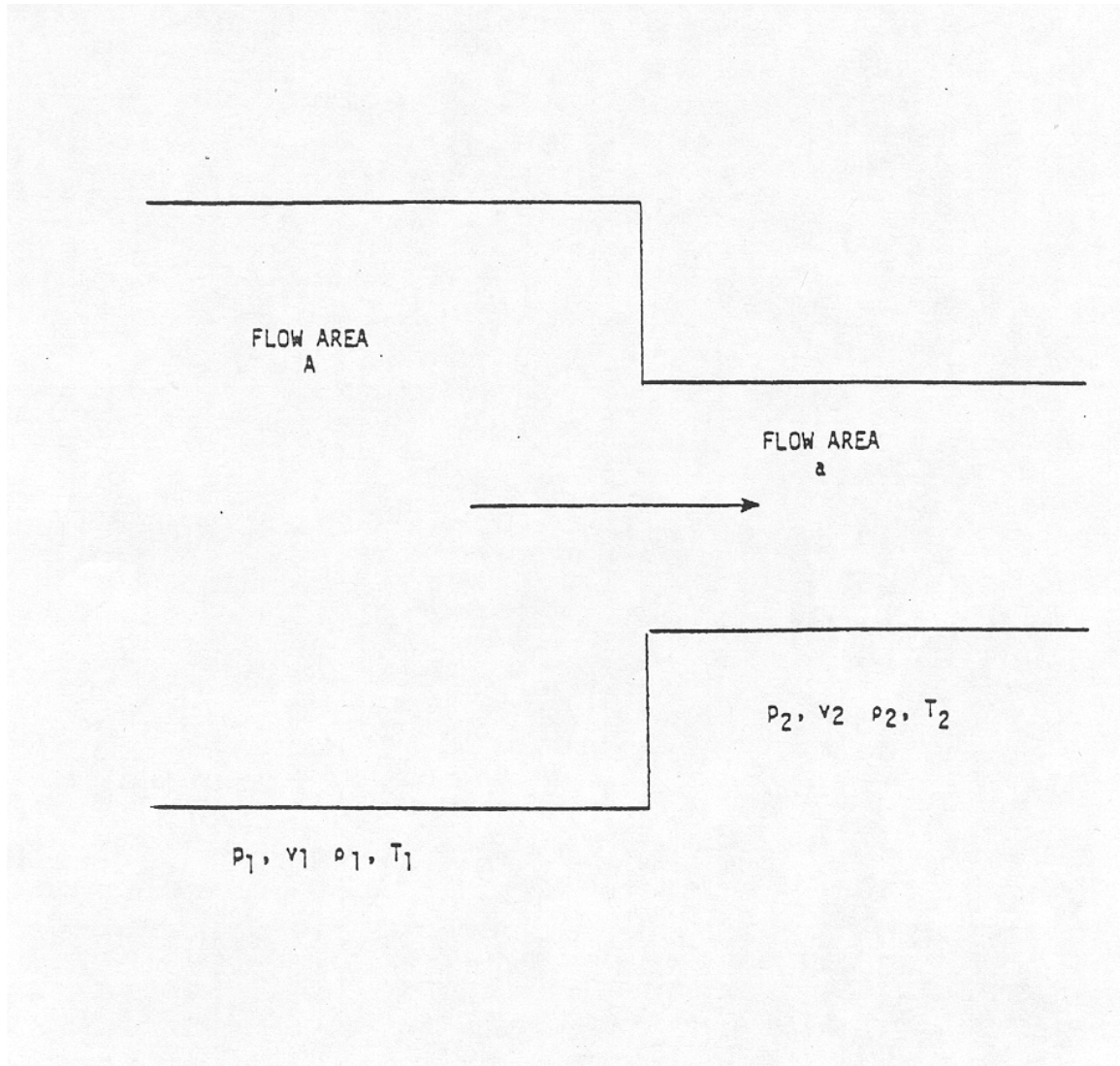
Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1	Change Description: UCR-850
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Instrument Location
	UFSAR Figure: 14.3.4-153
Sheet 1 of 1	

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

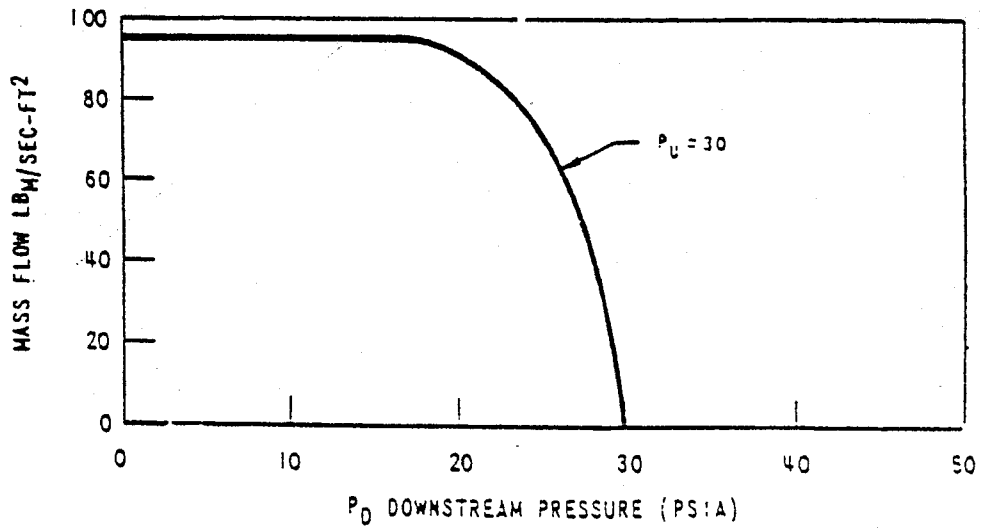
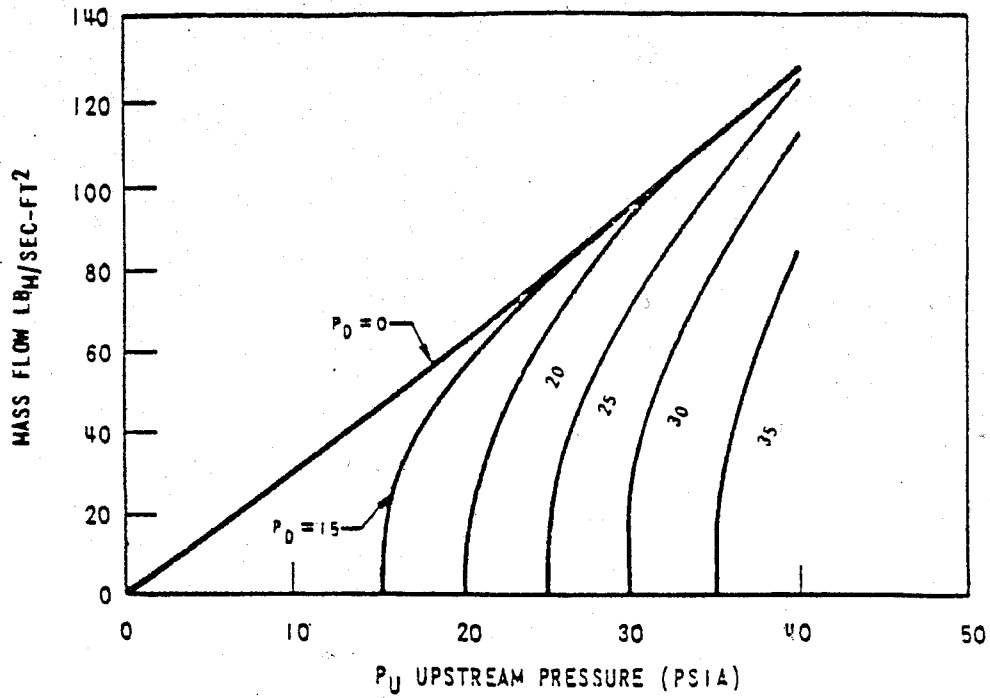
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Variable Area Flow Path**

UFSAR Figure: **14.3.4-154**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **17.1**

Change Description: **UCR-850**

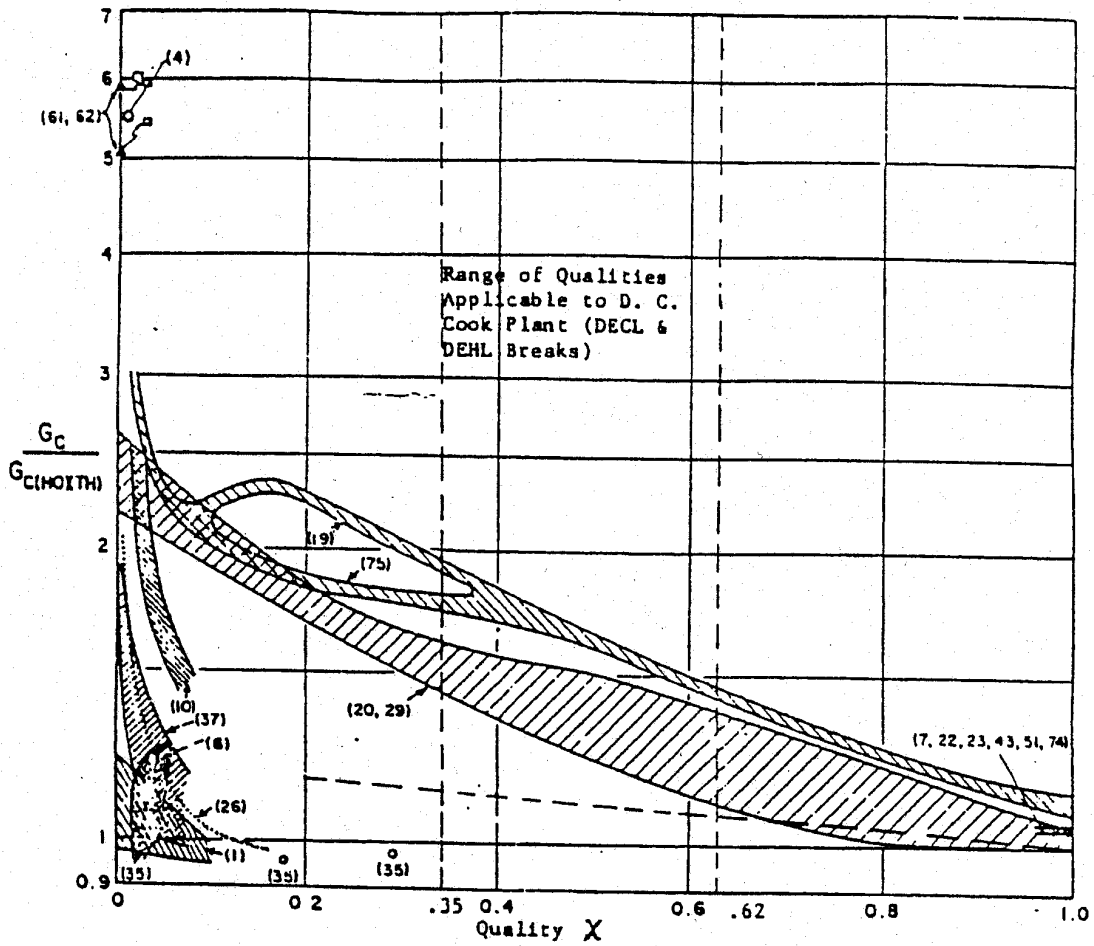
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **Illustration of Choked Flow Characteristics**

UFSAR Figure: **14.3.4-155**

Sheet 1 of 1

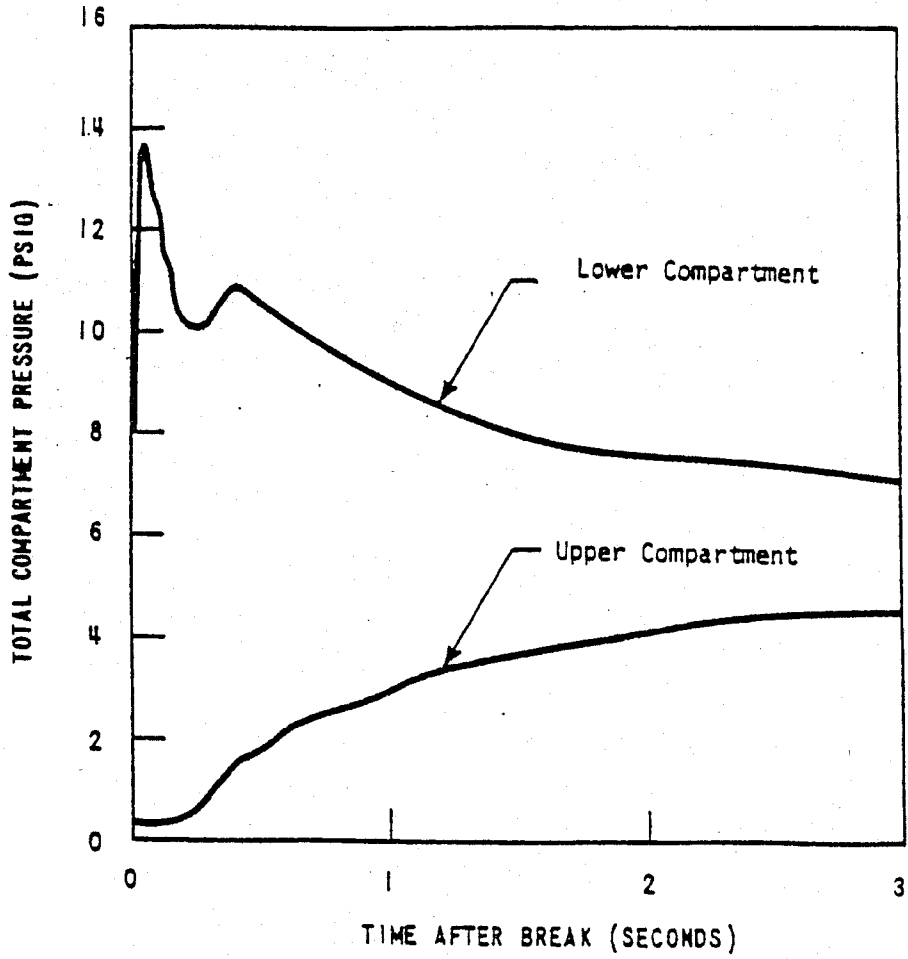
UFSAR Revision 30.0



A summary of experimental, two-phase, choking flow studies

Revision: 17.1	Change Description: UCR-850
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Experimental Critical Mass Flow / Homogeneous Thermal Equilibrium Mode
	UFSAR Figure: 14.3.4-156 Sheet 1 of 1

UFSAR Revision 30.0



Revision: 17.1

Change Description: UCR-850

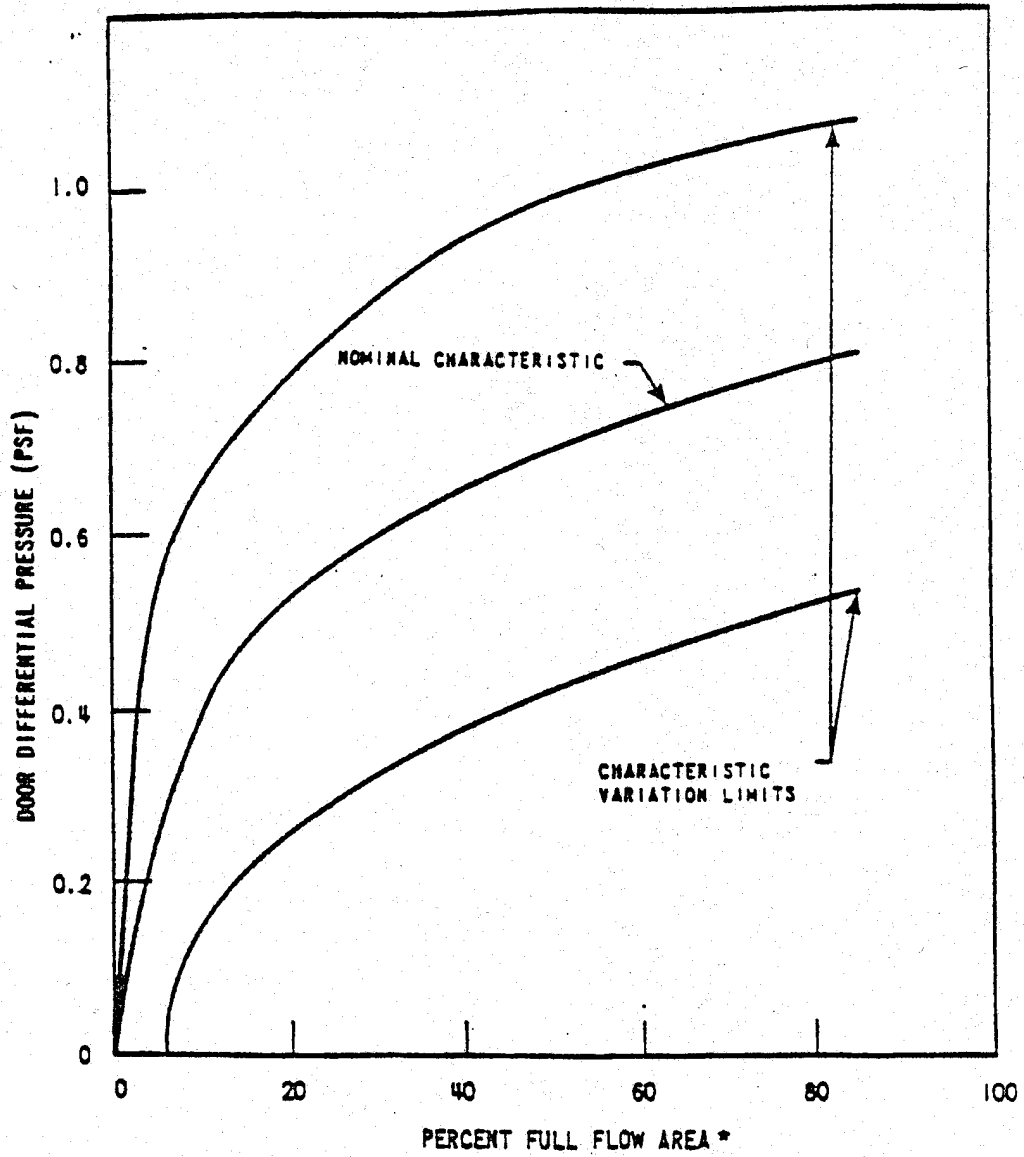
AMERICAN ELECTRIC POWER
 COOK NUCLEAR PLANT
 NUCLEAR GENERATION GROUP
 BRIDGMAN, MICHIGAN

Title: Upper and Lower Compartment Pressure
 Transient for Worst Case Break Compartment
 (Element 6) Having a DEHL Break (Historical)

UFSAR Figure: 14.3.4-157

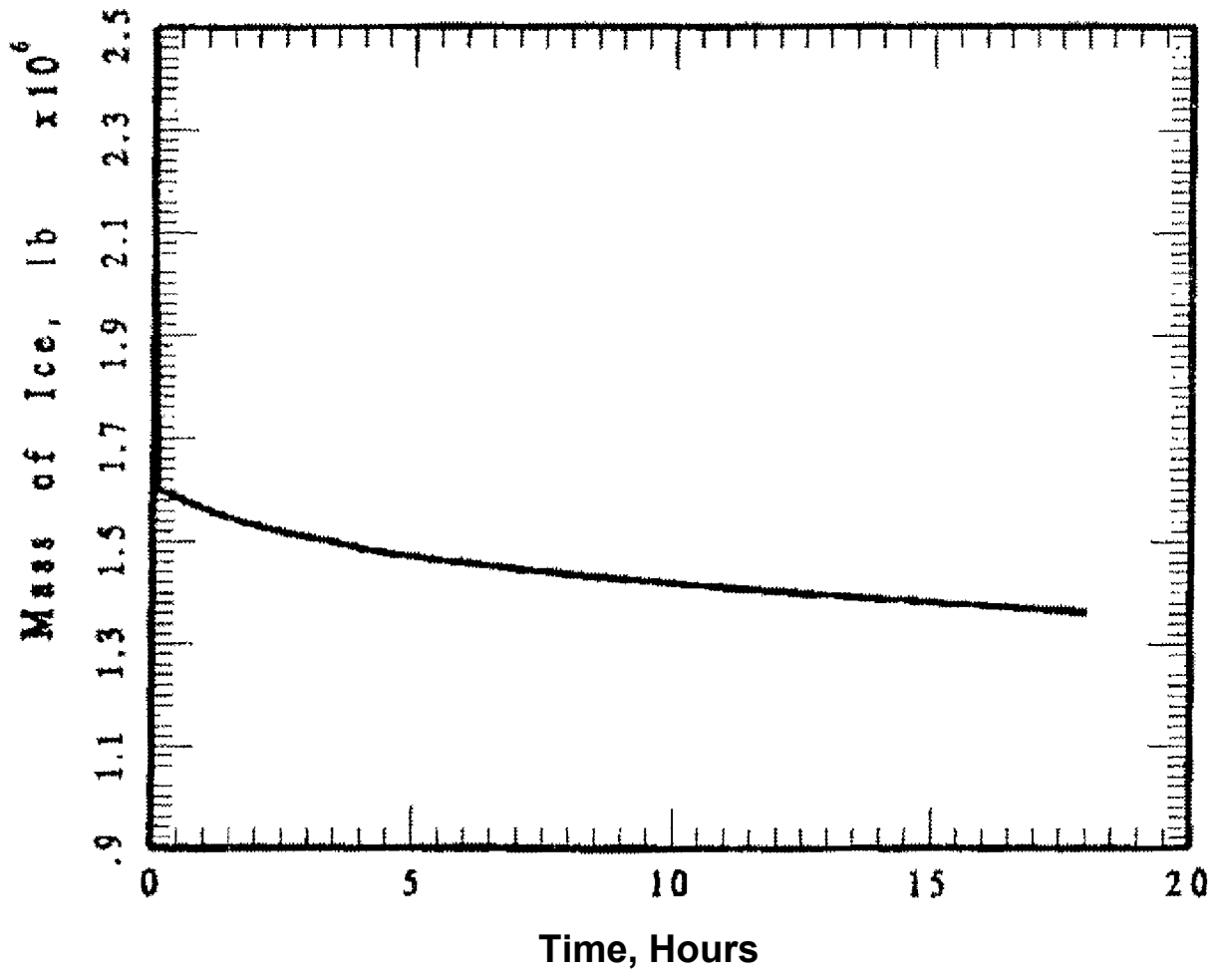
Sheet 1 of 1

UFSAR Revision 30.0



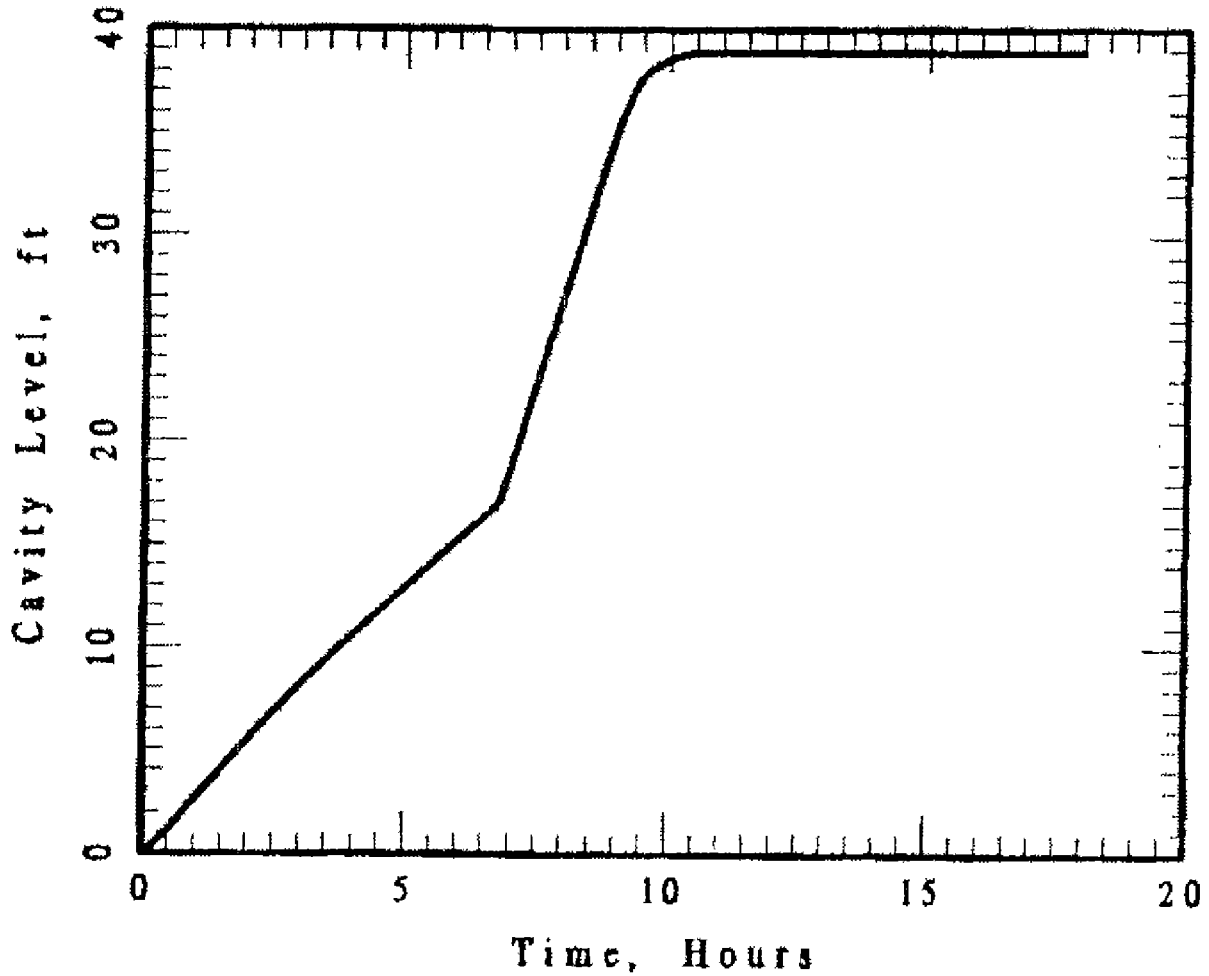
* Full flow area is defined as door port area at maximum door opening

Revision: 17.1	Change Description: UCR-850	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: Flow Area – Pressure Differential	
	UFSAR Figure: 14.3.4-158	Sheet 1 of 1



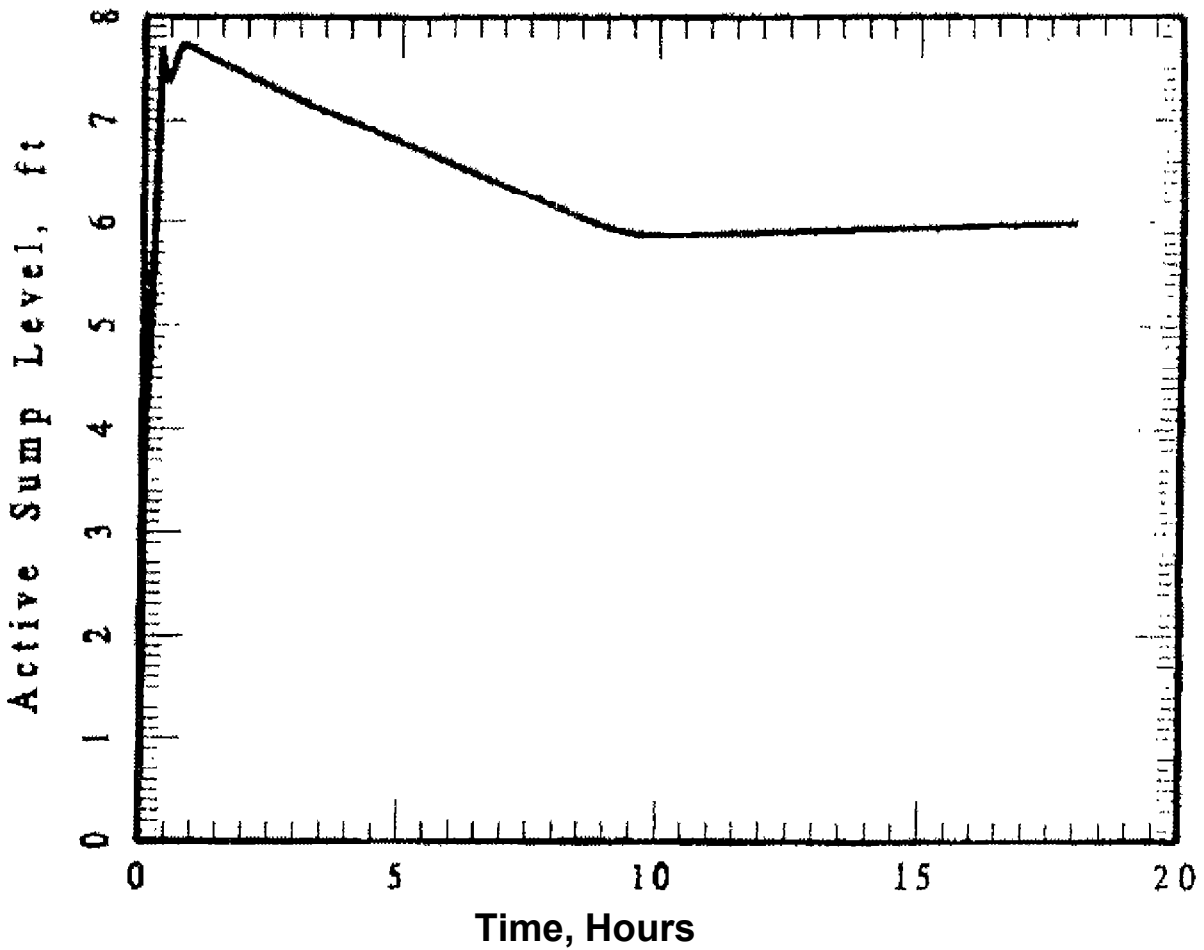
UNIT 1

16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE Mass of Ice Remaining in the Ice Condenser: DECL Break into the Lower Compartment	
	DWG. NO. FSAR FIG. 14.3.9-1	SH 1 of 1



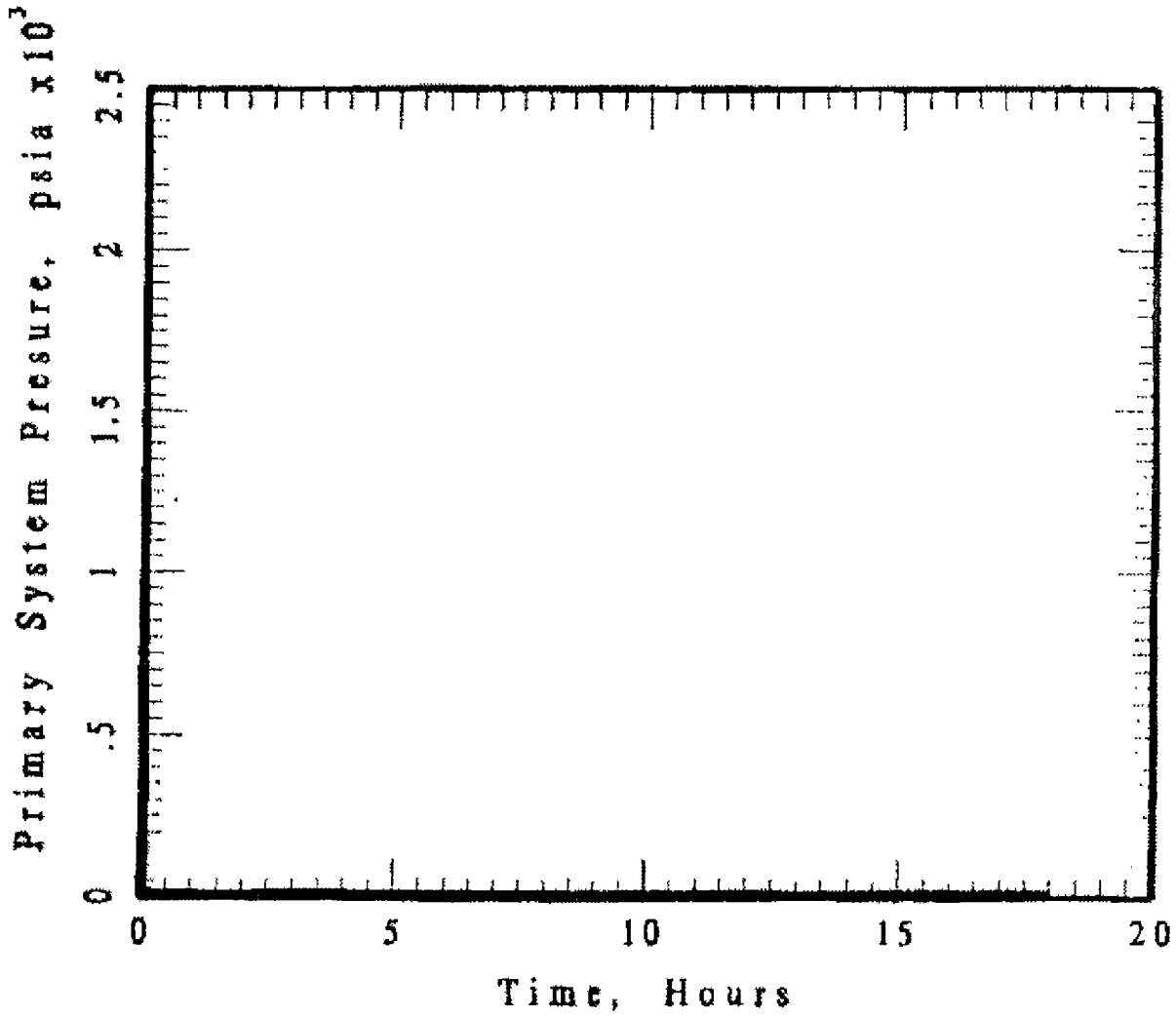
UNIT 1

16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE Reactor Cavity Water Level: DECL Break into the Lower Compartment	
	DWG. NO. FSAR FIG. 14.3.9-2	SH 1 of 1



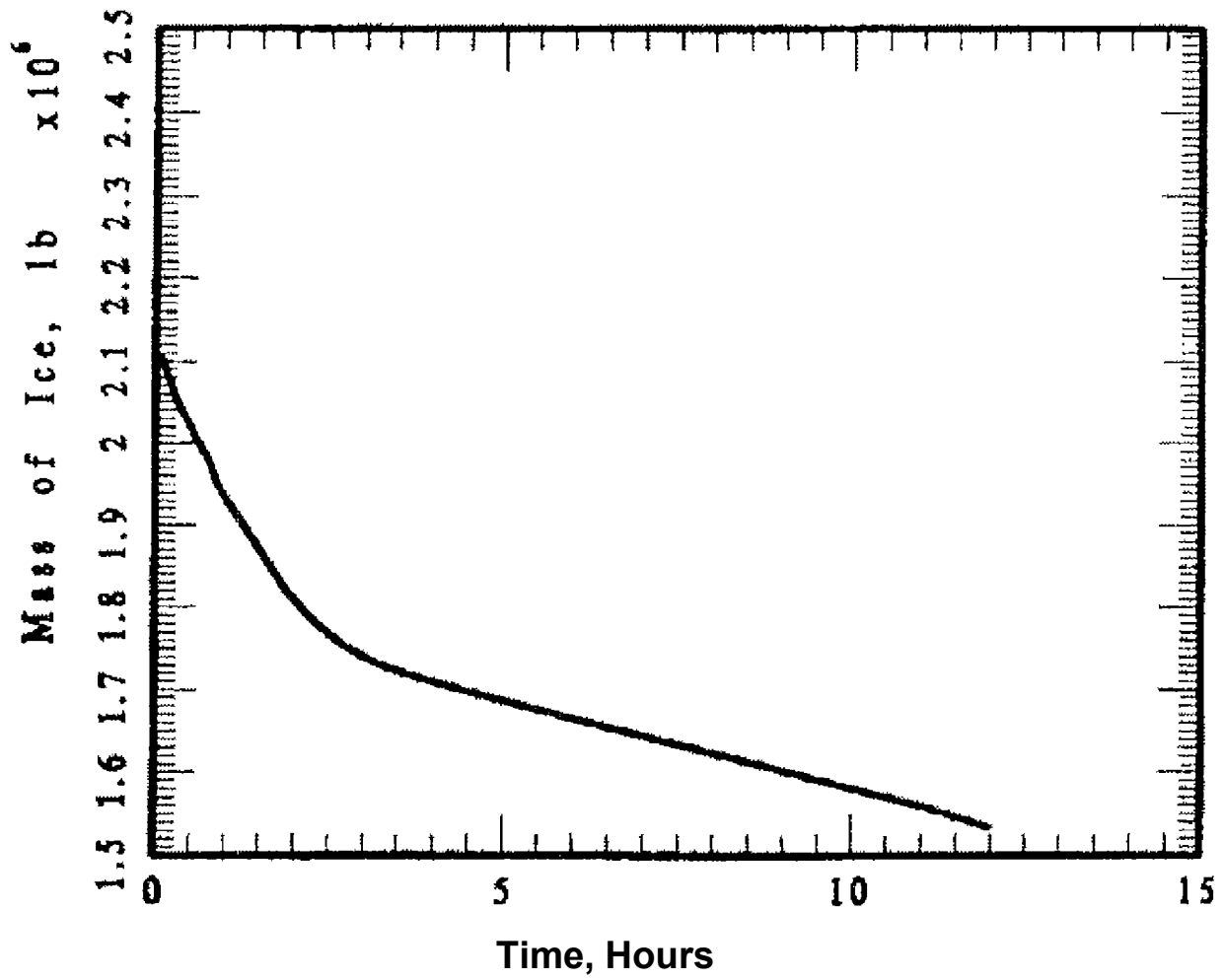
UNIT 1

16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE Containment Water Level: DECL Break into the Lower Compartment	
	DWG. NO. FSAR FIG. 14.3.9-3	SH 1 of 1



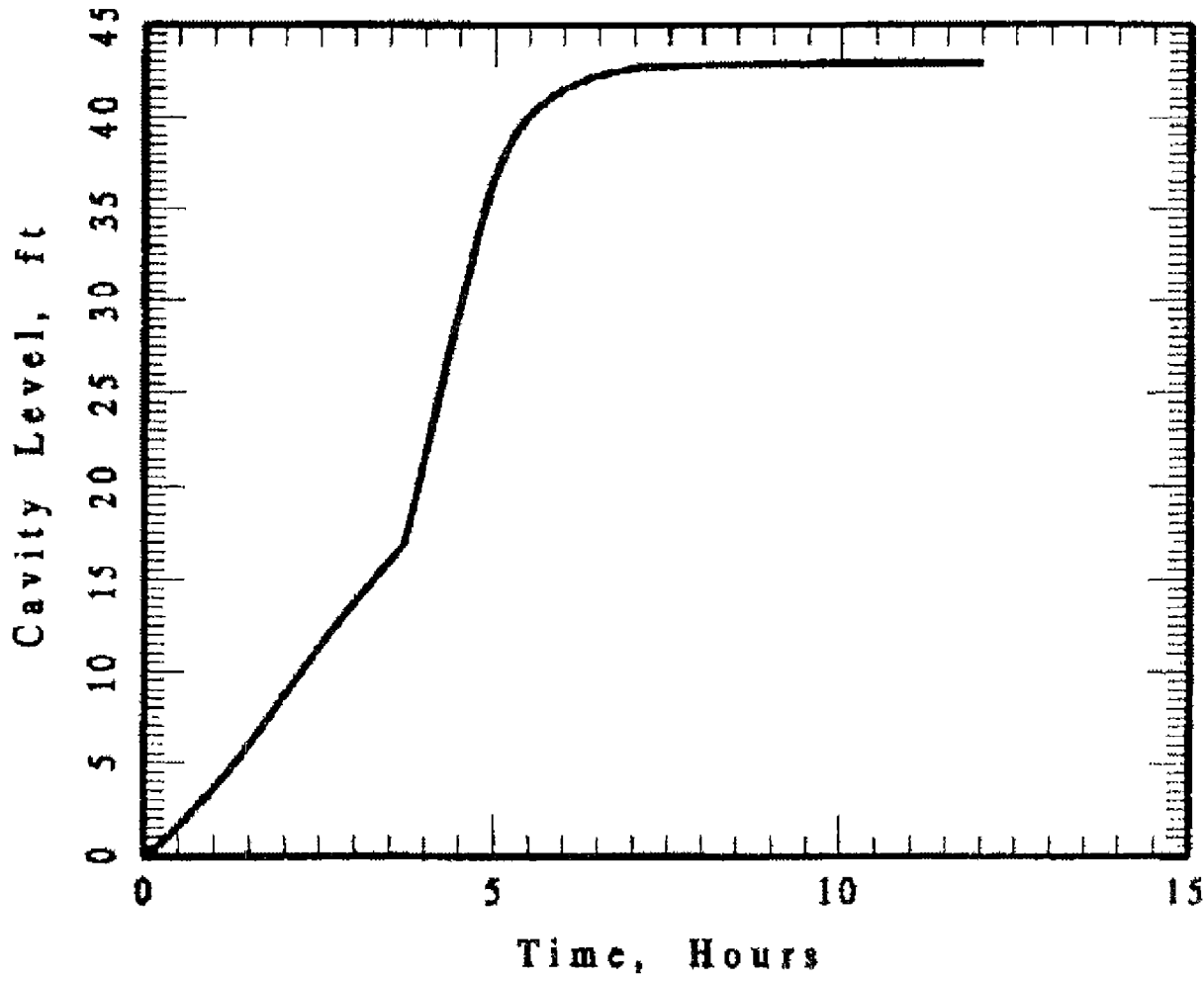
UNIT 1

16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE RCS Pressure: DECL Break into the Lower Compartment	
	DWG. NO. FSAR FIG. 14.3.9-4	SH 1 of 1



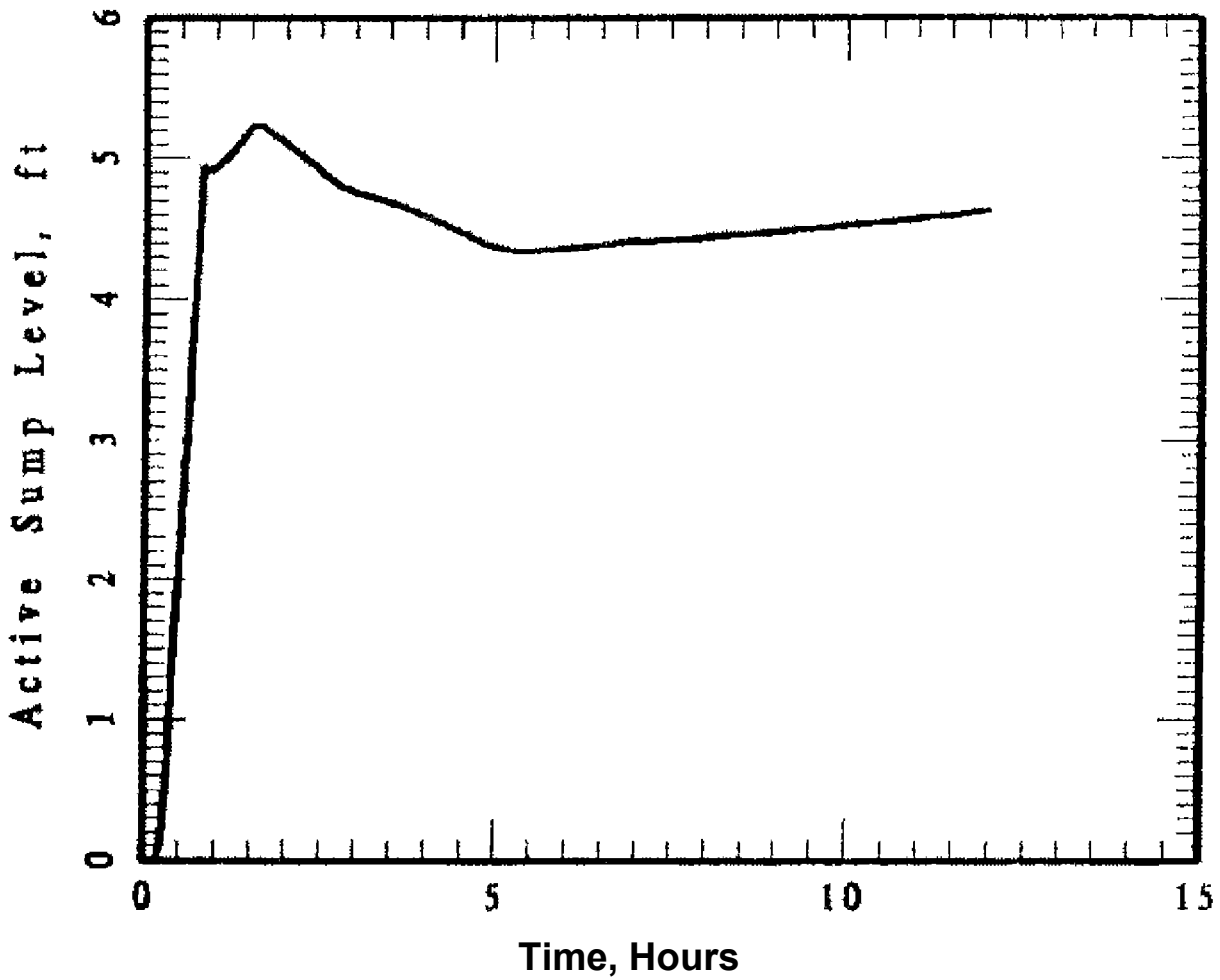
UNIT 1

16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE Mass of Ice Remaining in the Ice Condenser: 1 Inch Break into the Reactor Cavity	
	DWG. NO. FSAR FIG. 14.3.9-5	SH 1 of 1



UNIT 1

16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE Reactor Cavity Water Level: 1 Inch Break into the Reactor Cavity	
	DWG. NO. FSAR FIG. 14.3.9-6	SH 1 of 1



UNIT 1

16.4

REVISED PER 99-UFSAR-1197

REV. NO.

DESCRIPTION

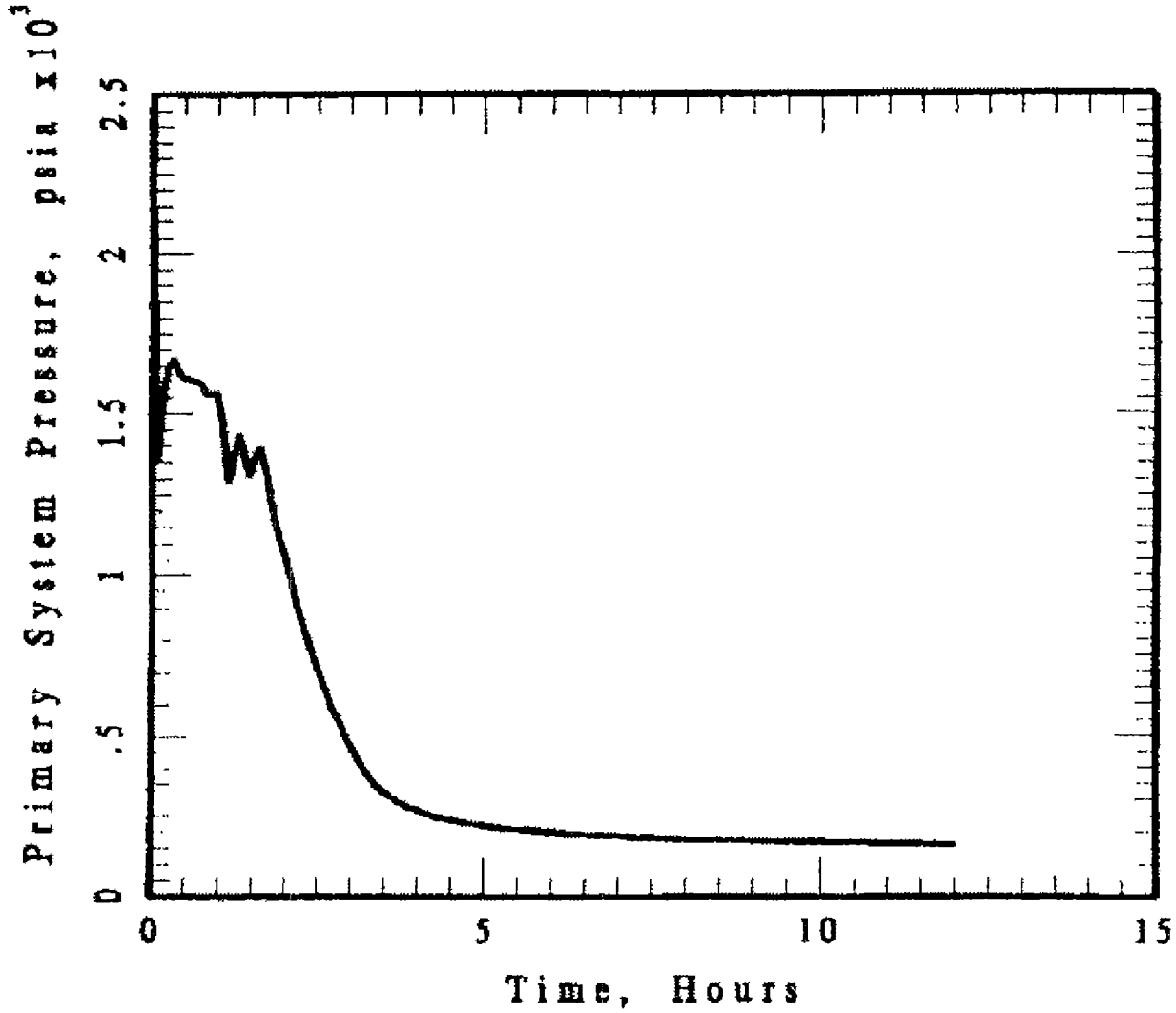
REVISIONS

AMERICAN ELECTRIC POWER
 COOK NUCLEAR PLANT
 NUCLEAR GENERATION GROUP
 BRIDGMAN, MICHIGAN

TITLE **Containment Water Level: 1 Inch Break into
 the Reactor Cavity**

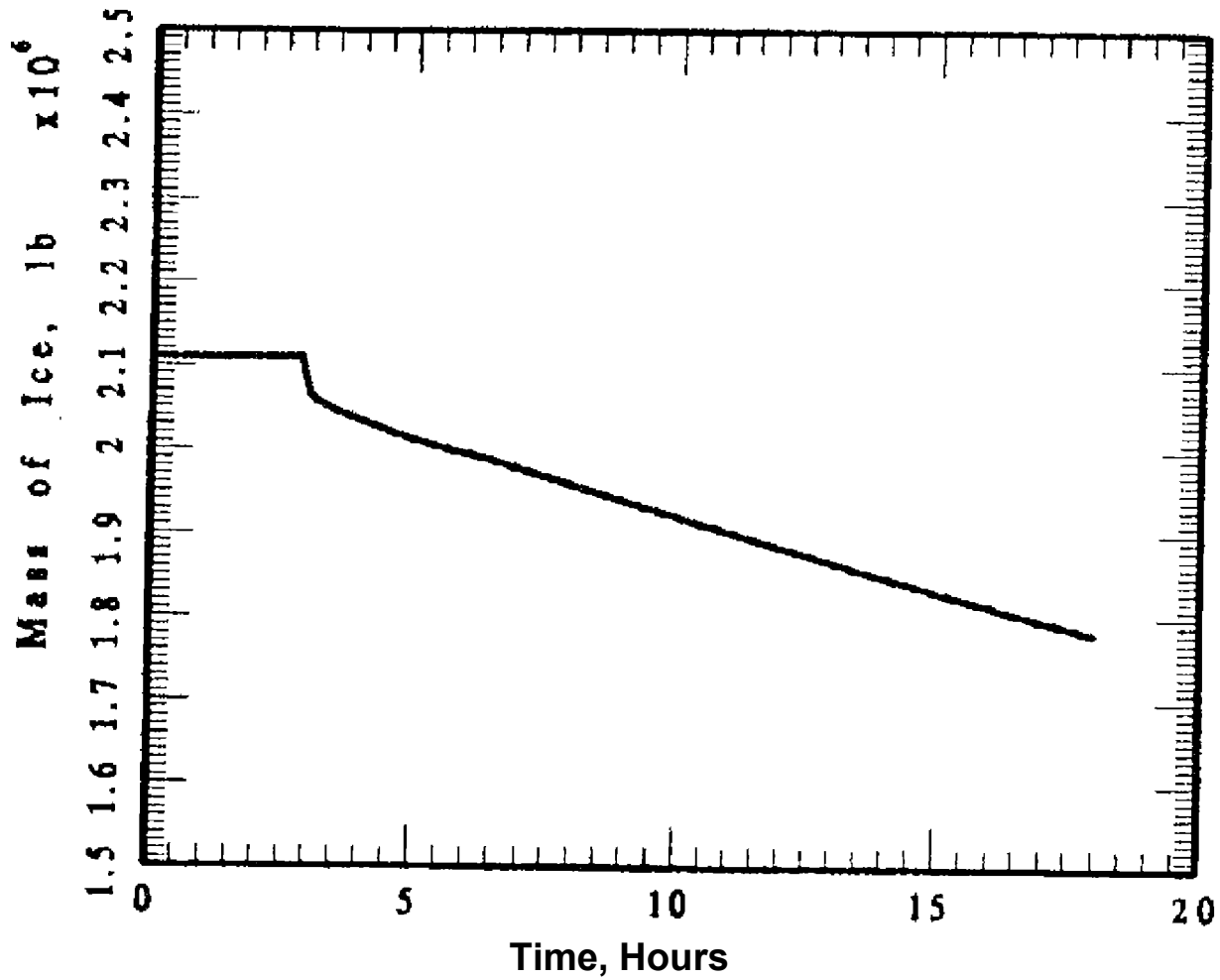
DWG. NO. **FSAR FIG. 14.3.9-7**

SH 1 of 1



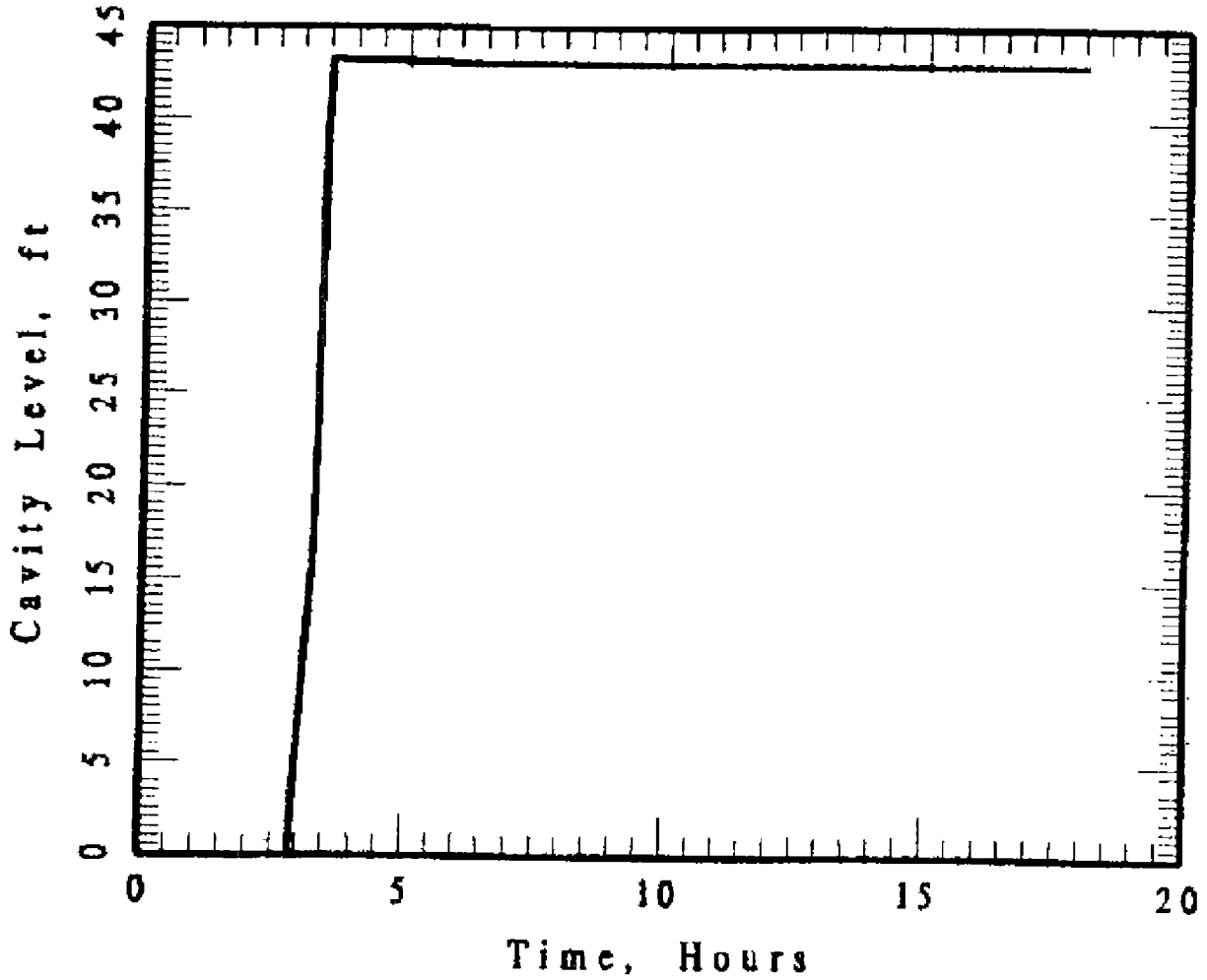
UNIT 1

16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE RCS Pressure: 1 Inch Break into the Reactor Cavity	
	DWG. NO. FSAR FIG. 14.3.9-8	SH 1 of 1



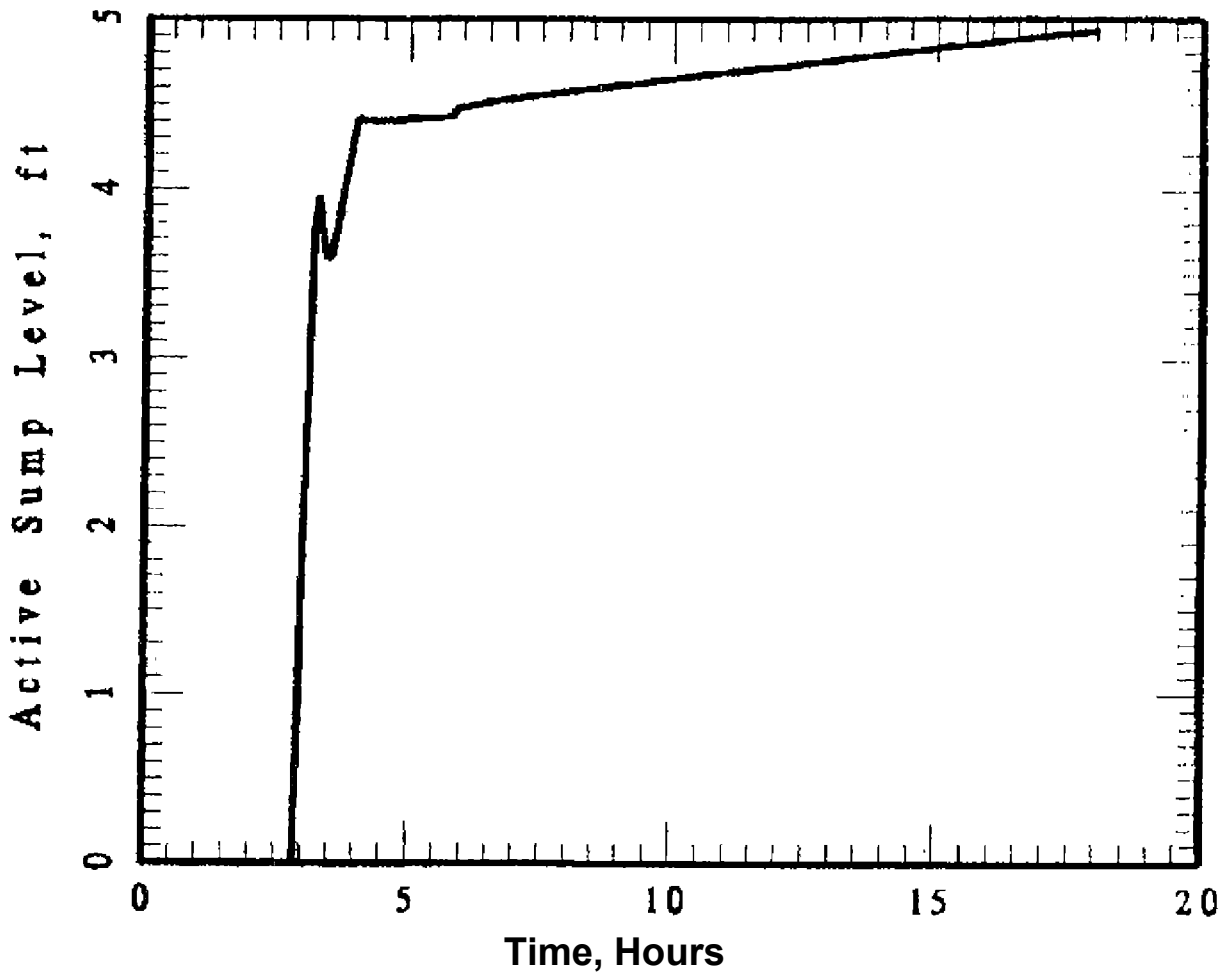
UNIT 1

16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE Mass of Ice Remaining in the Ice Condenser: 6 Inch Break into the Reactor Cavity in Mode 3	
	DWG. NO. FSAR FIG. 14.3.9-9	SH 1 of 1



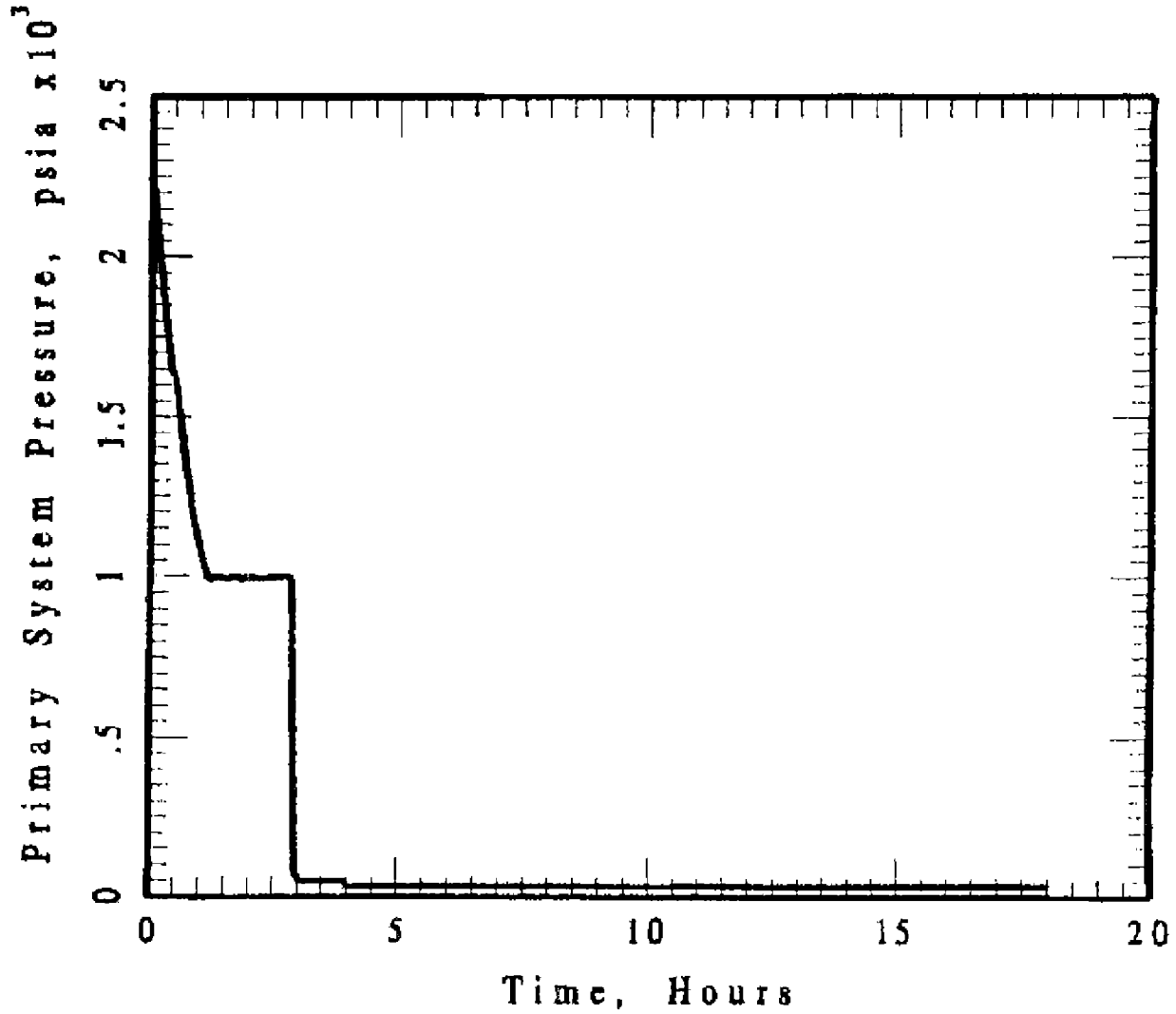
UNIT 1

16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE Reactor Cavity Water Level: 6 Inch Break into the Reactor Cavity in Mode 3	
	DWG. NO. FSAR FIG. 14.3.9-10	SH 1 of 1



UNIT 1

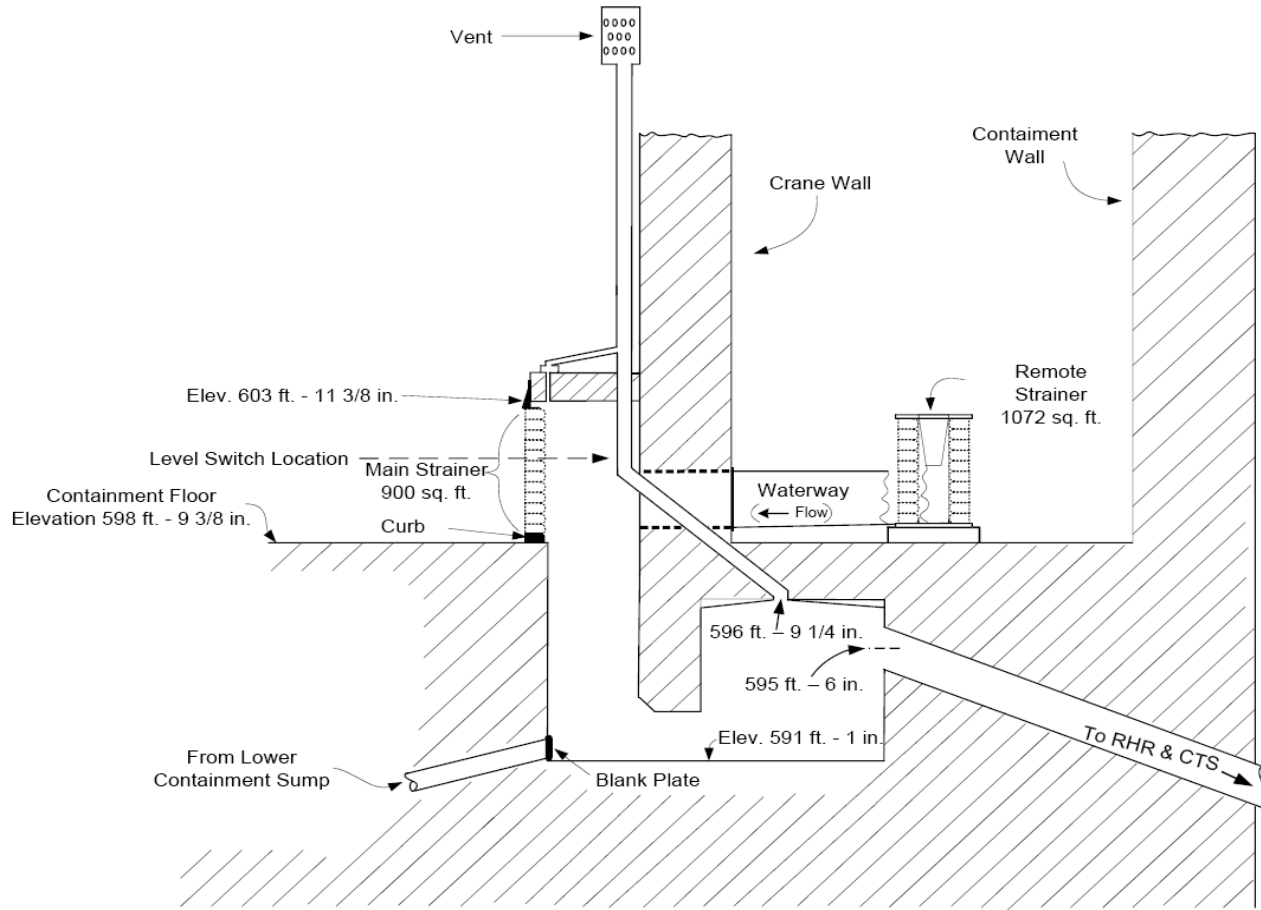
16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE Containment Water Level: 6 Inch Break into the Reactor Cavity in Mode 3	
	DWG. NO. FSAR FIG. 14.3.9-11	SH 1 of 1



UNIT 1

16.4	REVISED PER 99-UFSAR-1197	
REV. NO.	DESCRIPTION	
REVISIONS		
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	TITLE RCS Pressure: 6 Inch Break into the Reactor Cavity in Mode 3	
	DWG. NO. FSAR FIG. 14.3.9-12	SH 1 of 1

UFSAR Revision 30.0



Revision: **22**

Change Description: **UCR-1917**

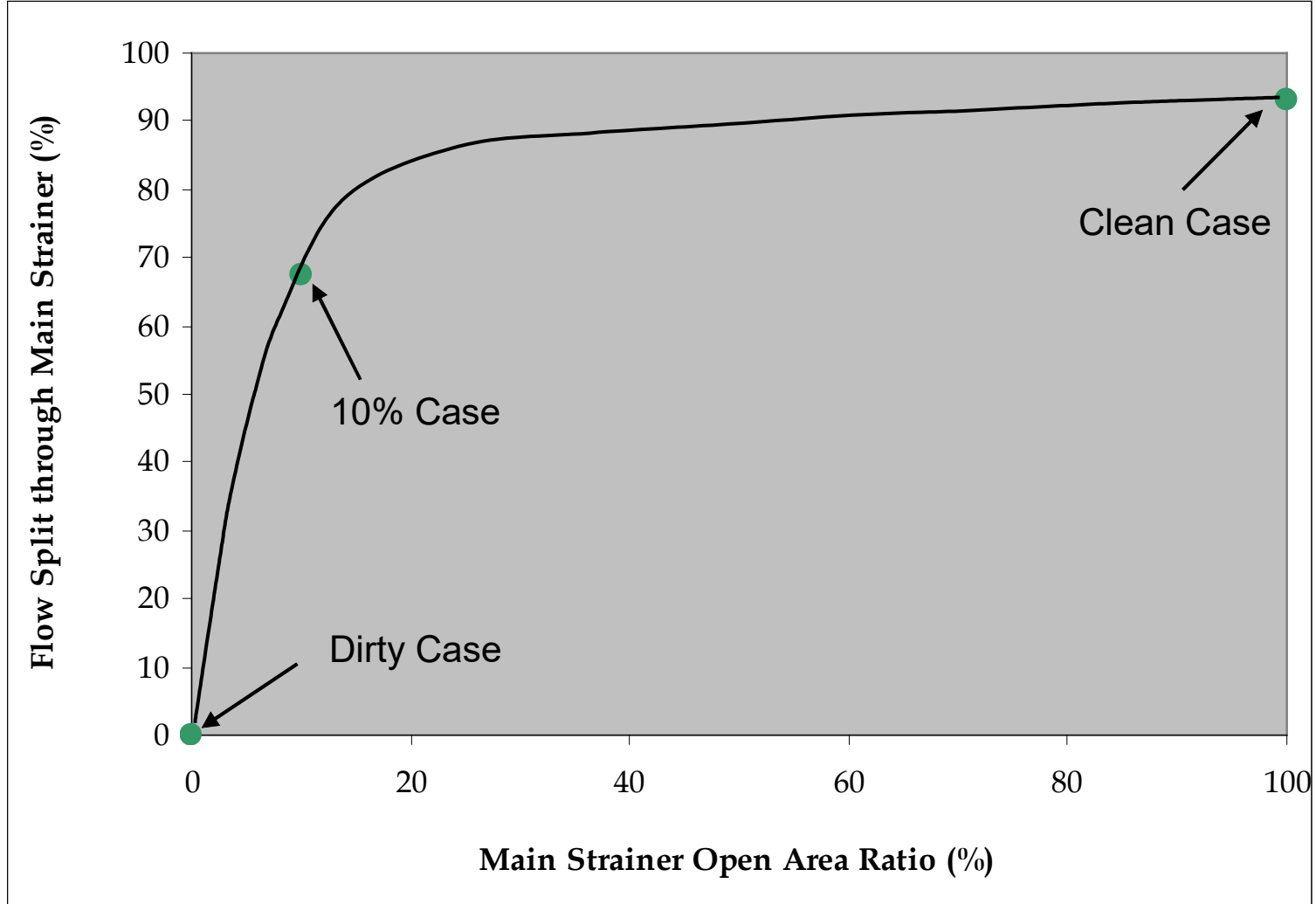
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **RECIRCULATION SUMP GENERAL ARRANGEMENT**

UFSAR Figure: **14.3.9-13**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: 22

Change Description: UCR-1917

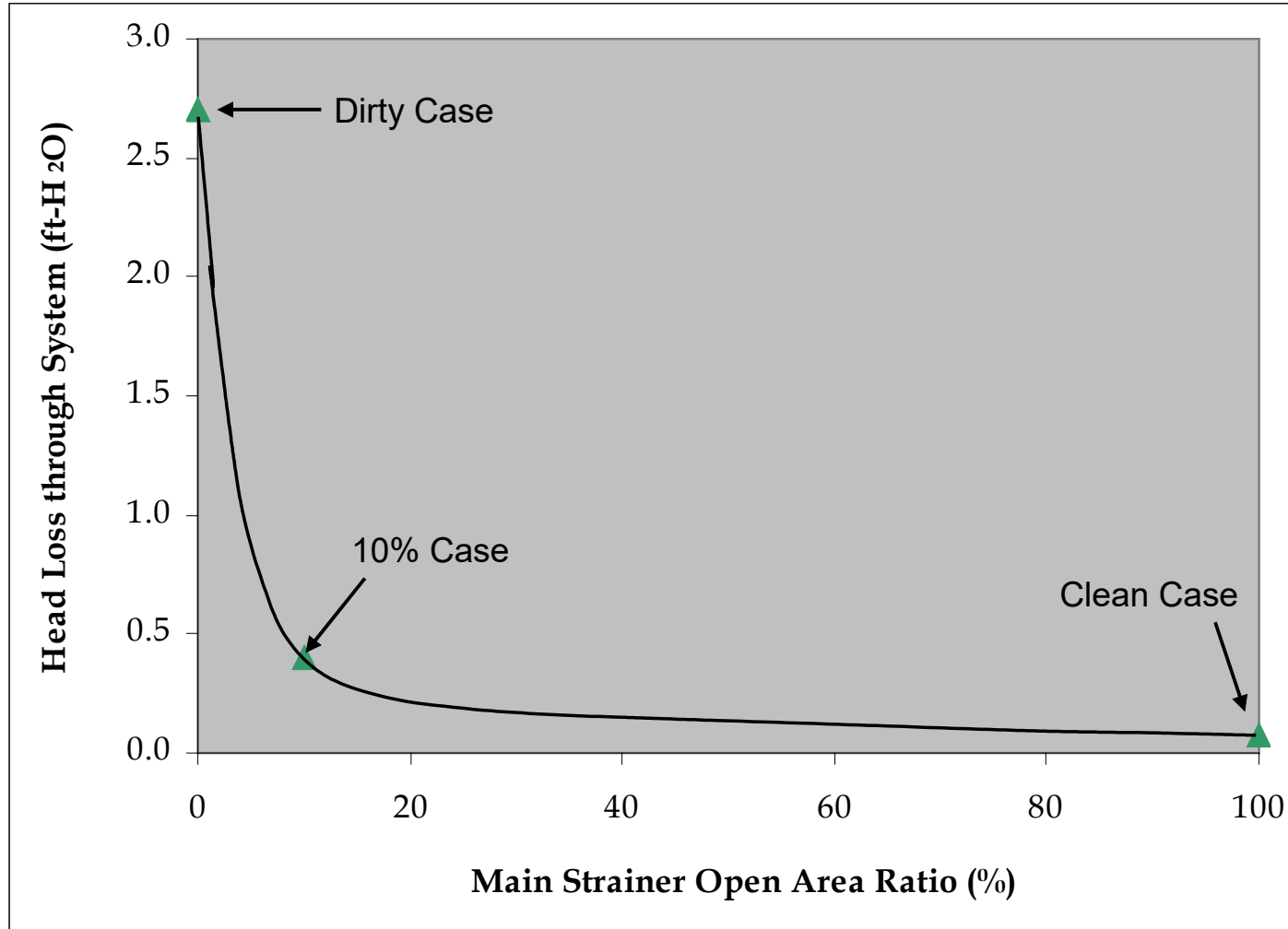
AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN

Title: PREDICTED FLOW SPLIT THROUGH MAIN STRAINER

UFSAR Figure: 14.3.9-14

Sheet 1 of 2

UFSAR Revision 30.0



Revision: **22**

Change Description: **UCR-1917**

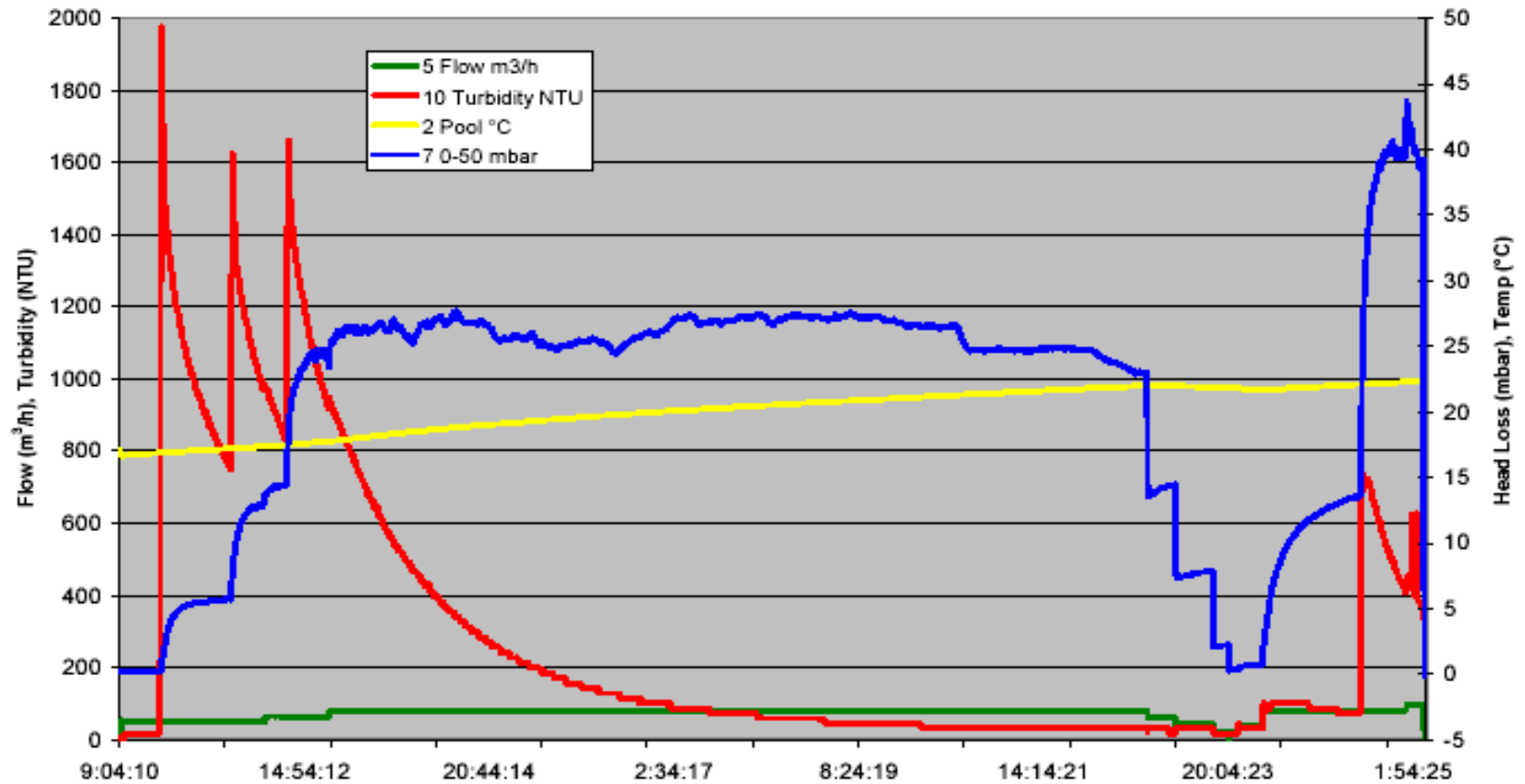
AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN

Title: **STRAINER SYSTEM HEAD LOSS AS FUNCTION OF MAIN
STRAINER BLOCKAGE**

UFSAR Figure: **14.3.9-14**

Sheet 2 of 2

UFSAR Revision 30.0



Revision: **22**

Change Description: **UCR-1917**

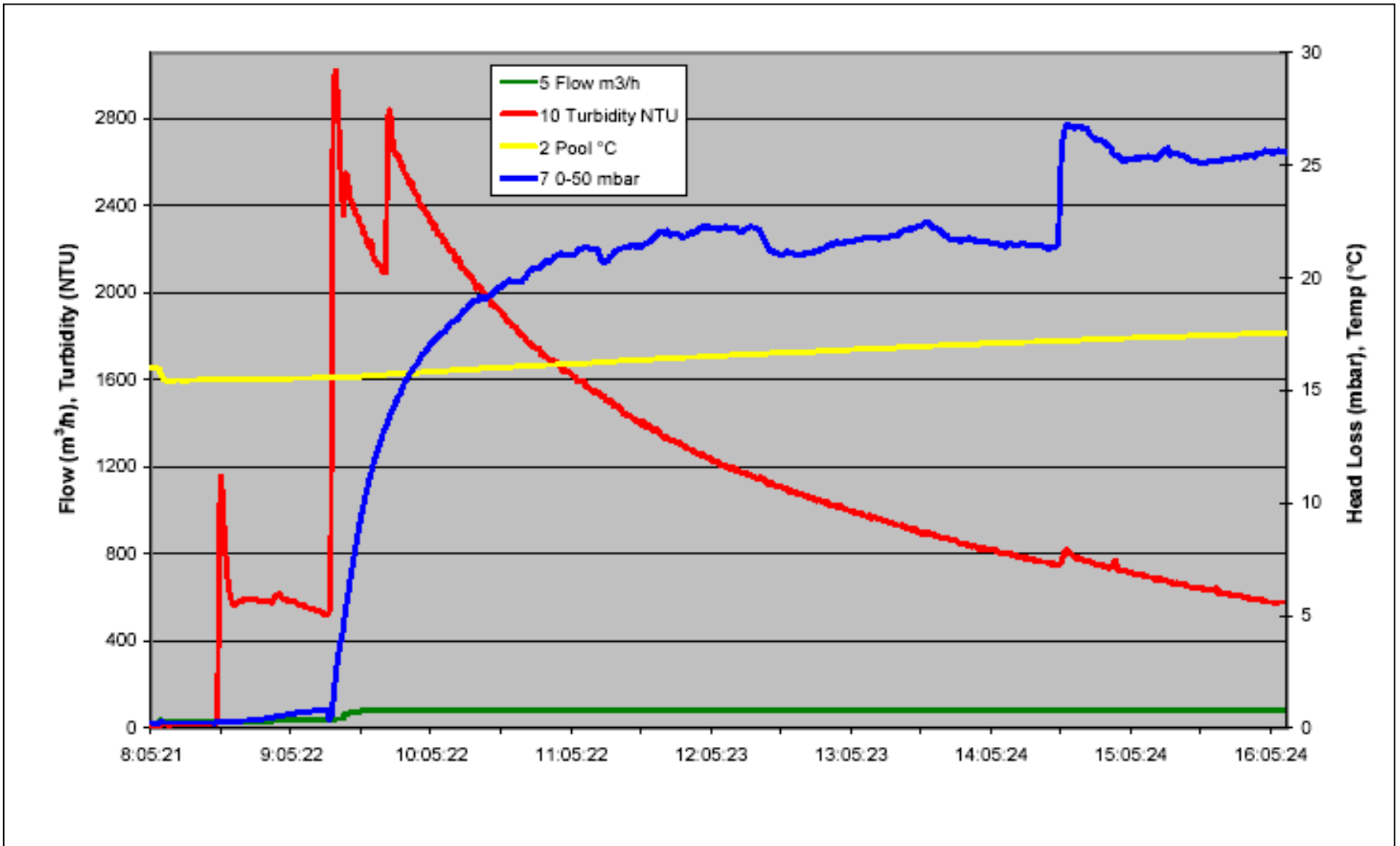
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **DEGB Head Loss Test Results**

UFSAR Figure: **14.3.9-15**

Sheet 1 of 1

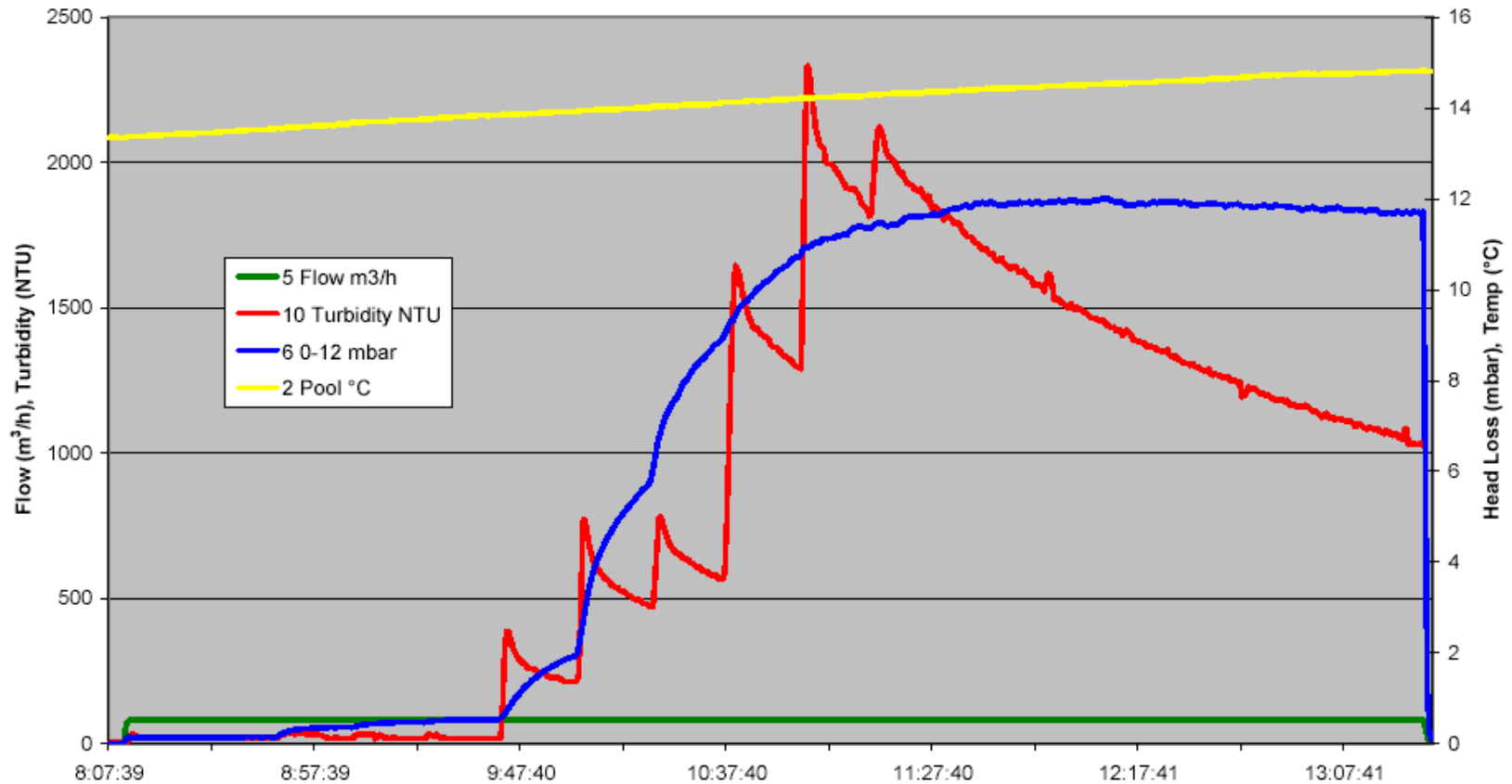
UFSAR Revision 30.0



Revision: 22	Change Description: UCR-1917
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: DEGB Event Sequence Head Loss Test Results
UFSAR Figure: 14.3.9-16	Sheet 1 of 1

UFSAR Revision 30.0

Test 2121_5: DEGB Debris Sequence Case 1



Revision: **22**

Change Description: **UCR-1917**

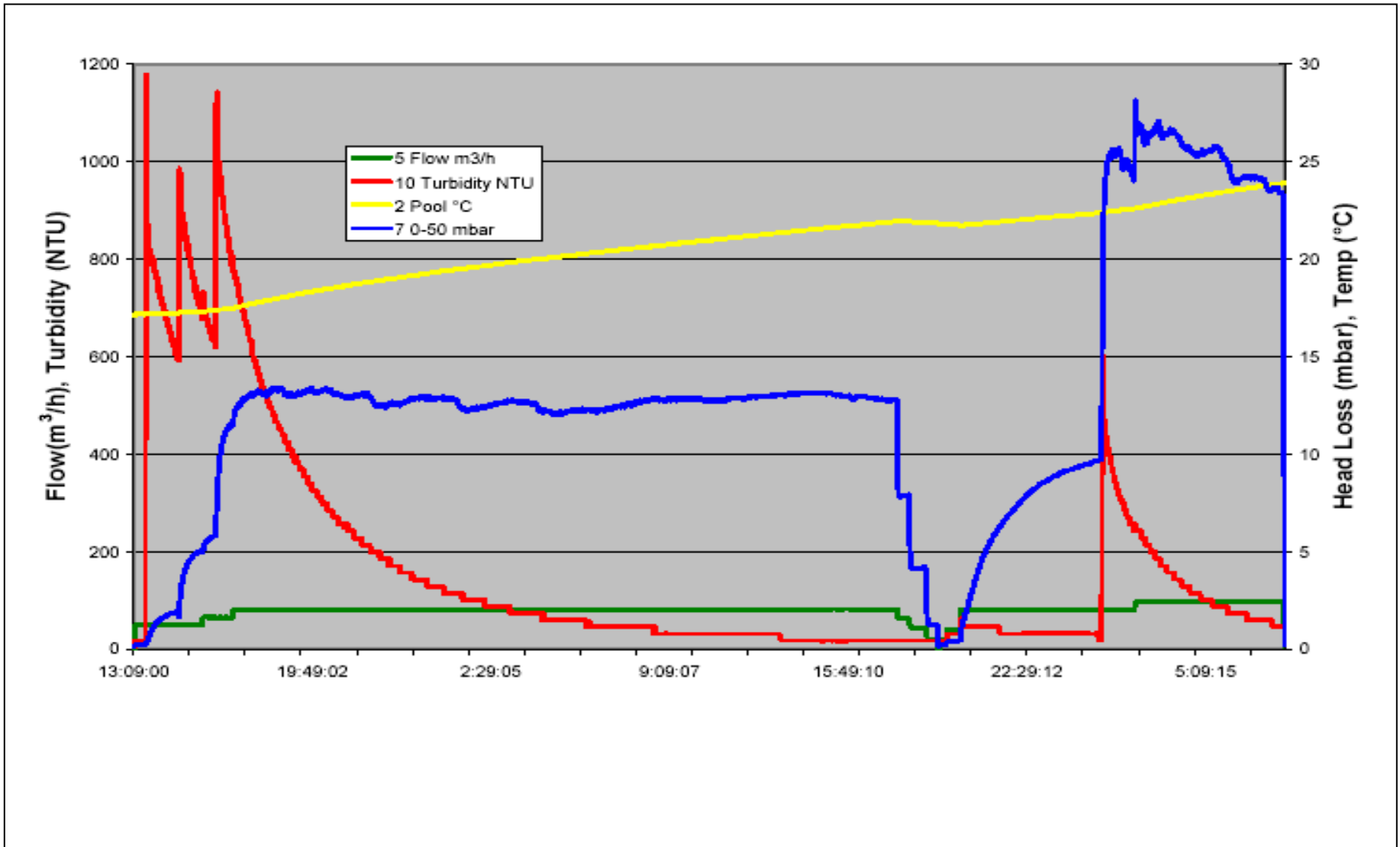
AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN

Title: **DEGB Debris Sequence Head Loss Test Results**

UFSAR Figure: **14.3.9-17**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **22**

Change Description: **UCR-1917**

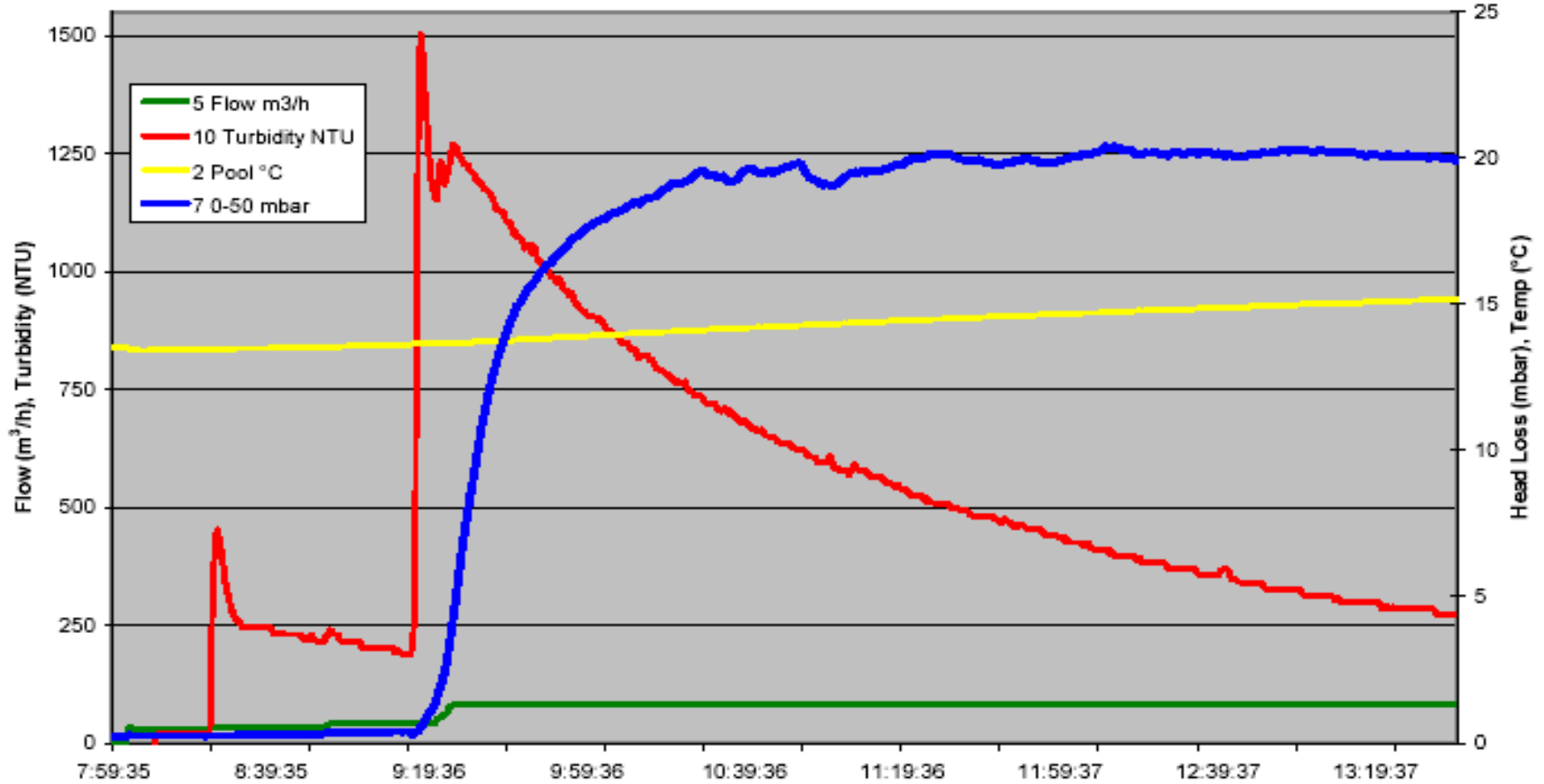
AMERICAN ELECTRIC POWER
 COOK NUCLEAR PLANT
 NUCLEAR GENERATION GROUP
 BRIDGMAN, MICHIGAN

Title: **DGBS Head Loss Test Results**

UFSAR Figure: **14.3.9-18**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **22**

Change Description: **UCR-1917**

AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN

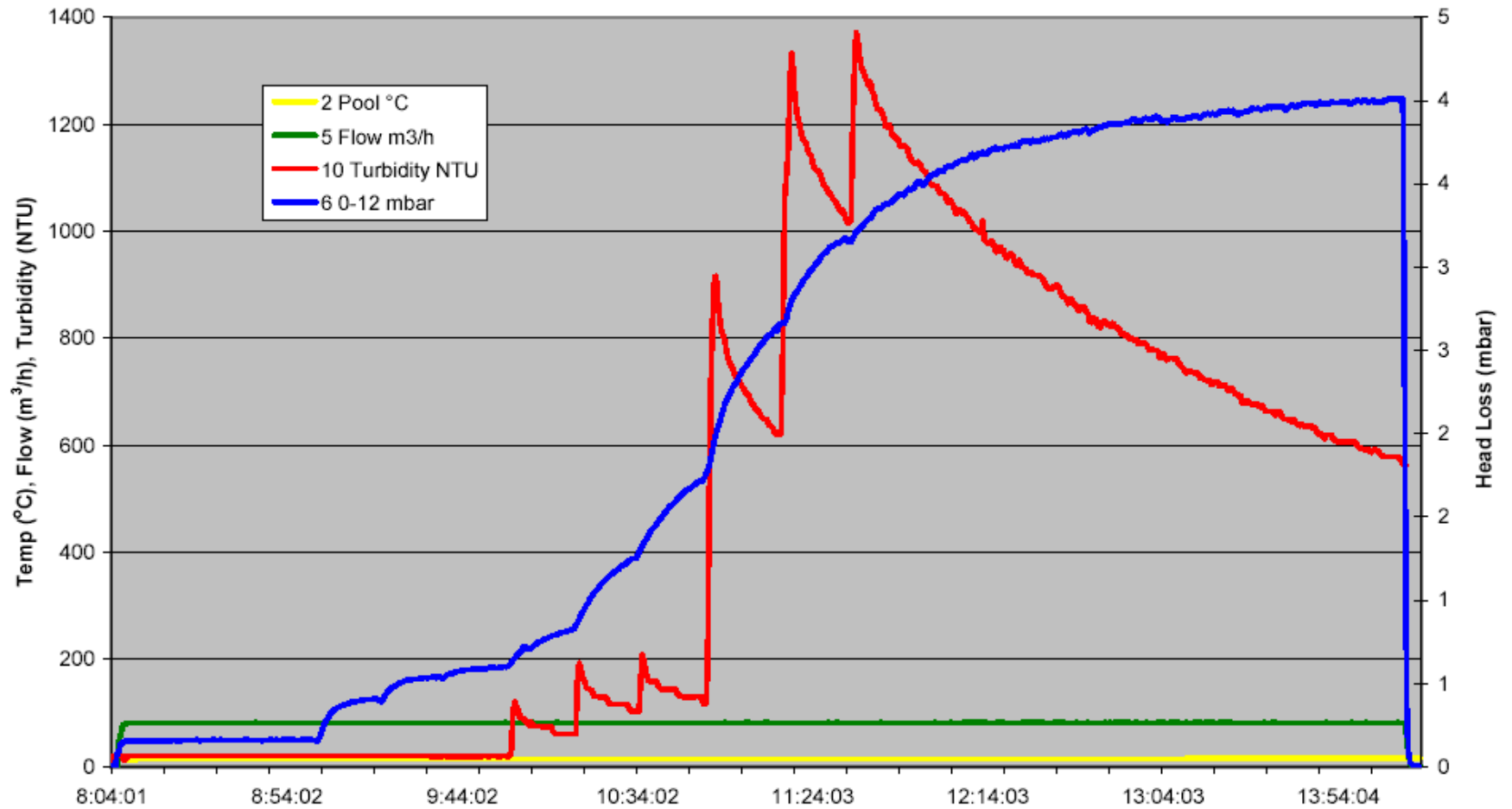
Title: **DGBS Event Sequence Head Loss Test Results**

UFSAR Figure: **14.3.9-19**

Sheet 1 of 1

UFSAR Revision 30.0

Test 2121_4: DGBS Debris Sequence Case 1



Revision: **22**

Change Description: **UCR-1917**

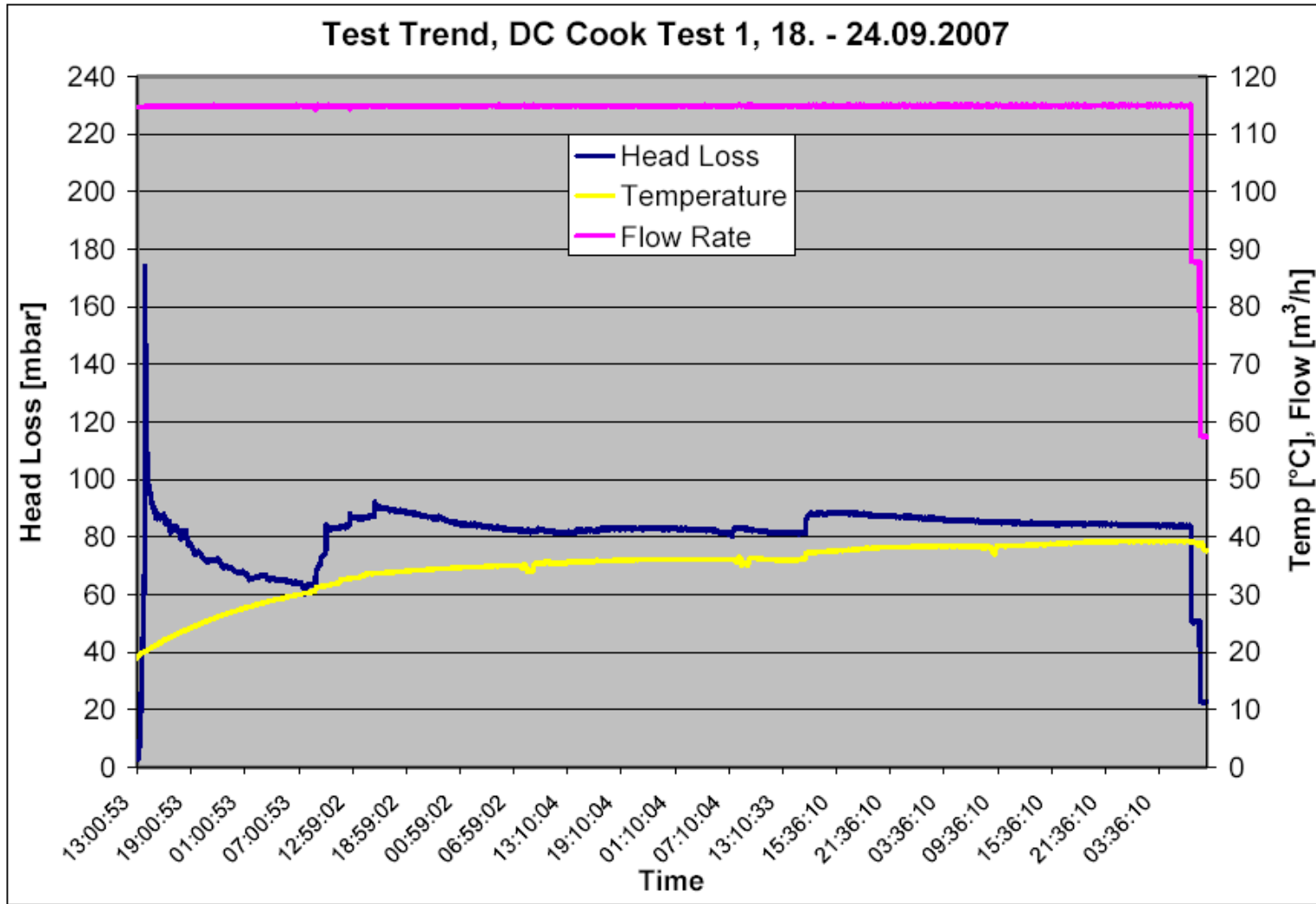
AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN

Title: **DGBS Debris Sequence Head Loss Test Results**

UFSAR Figure: **14.3.9-20**

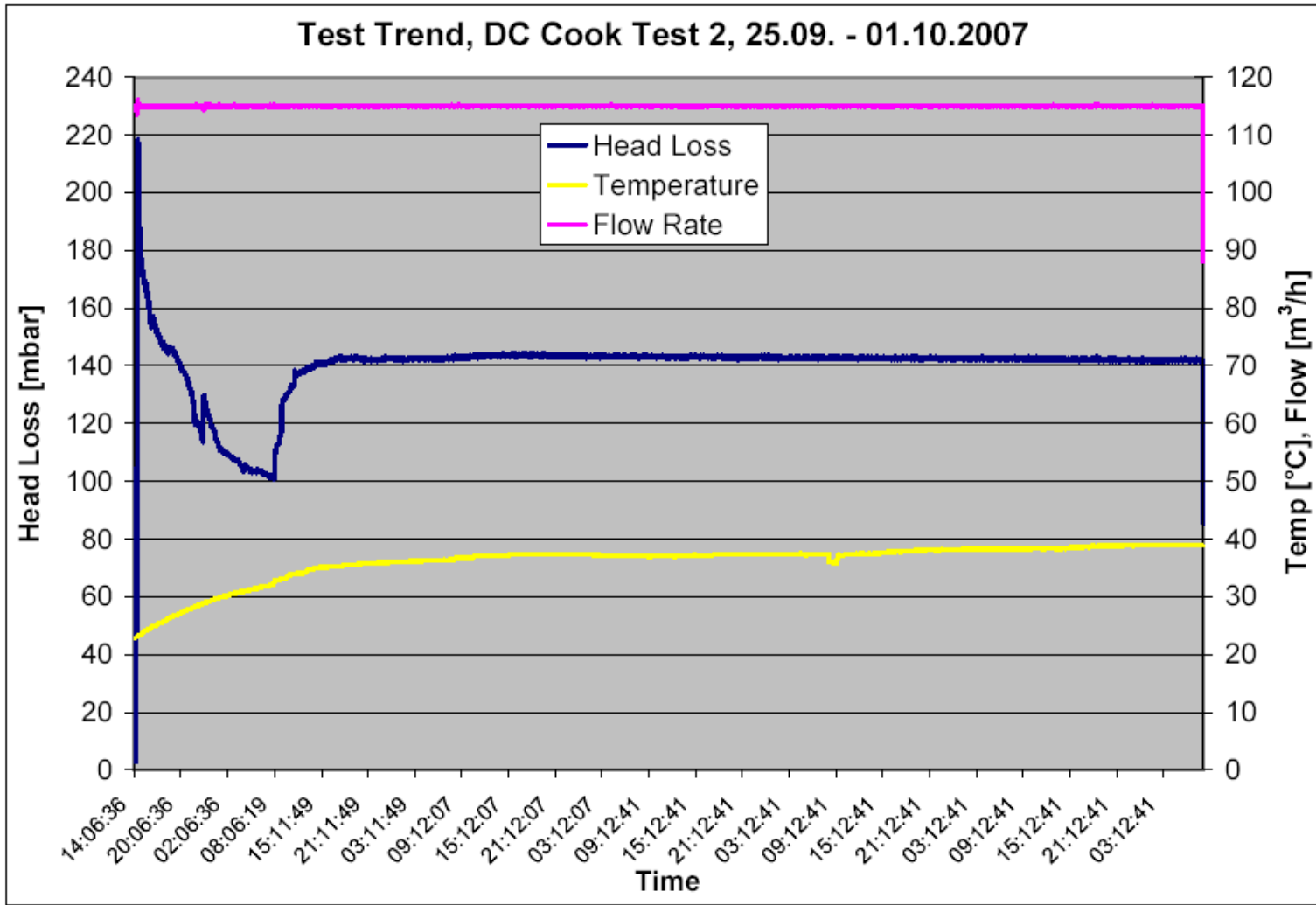
Sheet 1 of 1

UFSAR Revision 30.0



Revision: 22	Change Description: UCR-1917
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN	Title: DEGB MFTL Chemical Effects Head Loss Test Results
	UFSAR Figure: 14.3.9-21 Sheet 1 of 1

UFSAR Revision 30.0



Revision: **22**

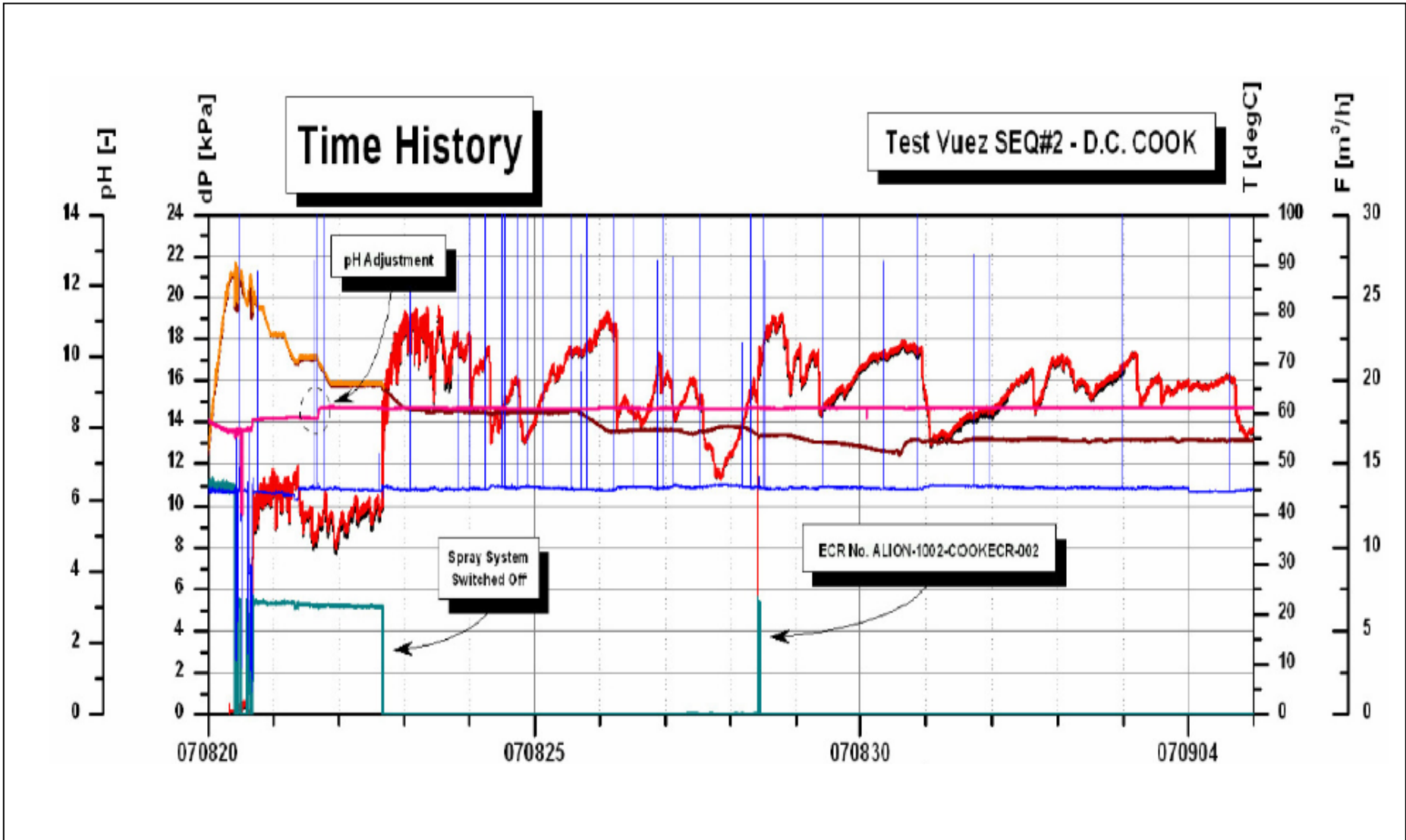
Change Description: **UCR-1917**

**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **DGBS MFTL Chemical Effects Head Loss Test Results**

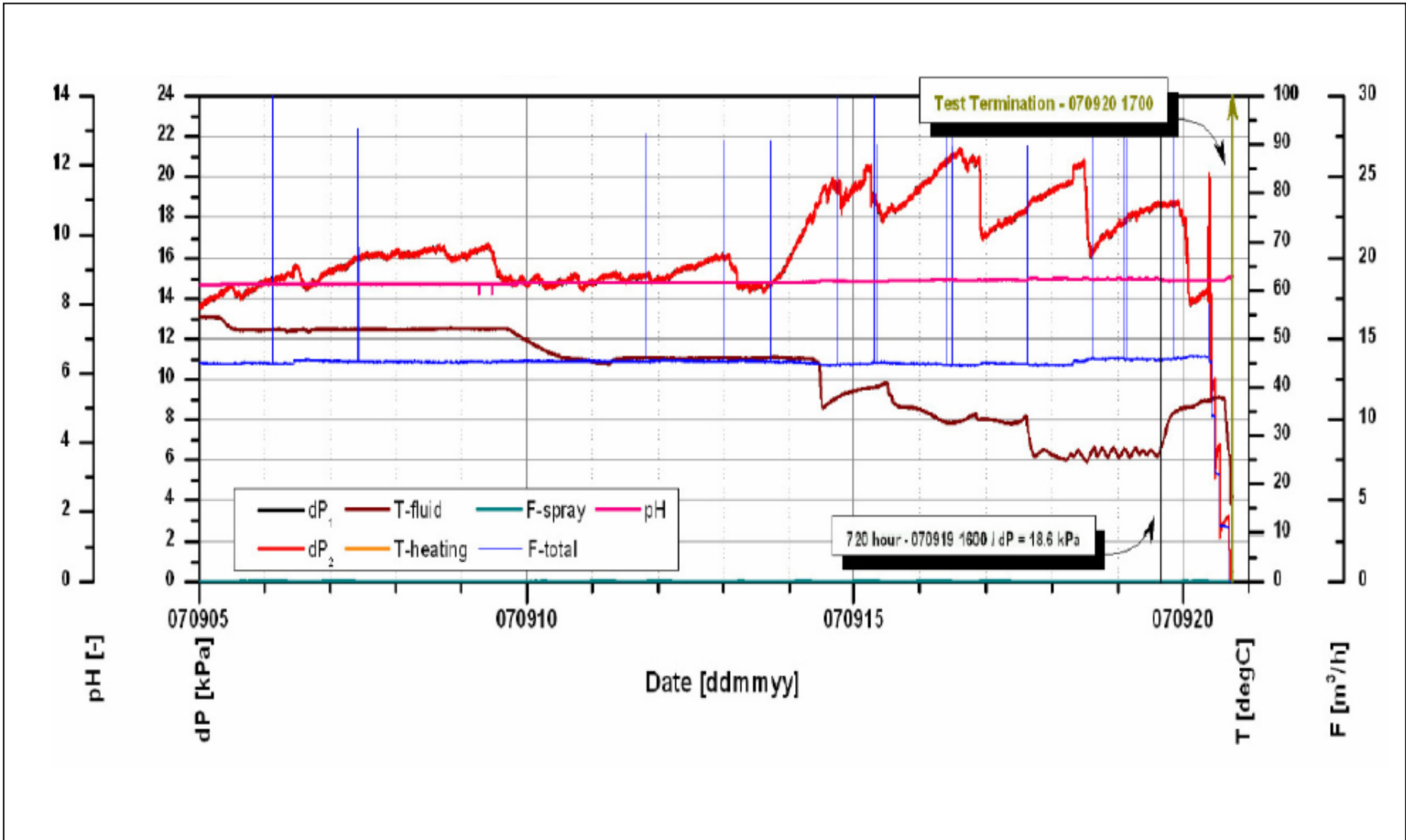
UFSAR Figure: **14.3.9-22**

Sheet 1 of 1



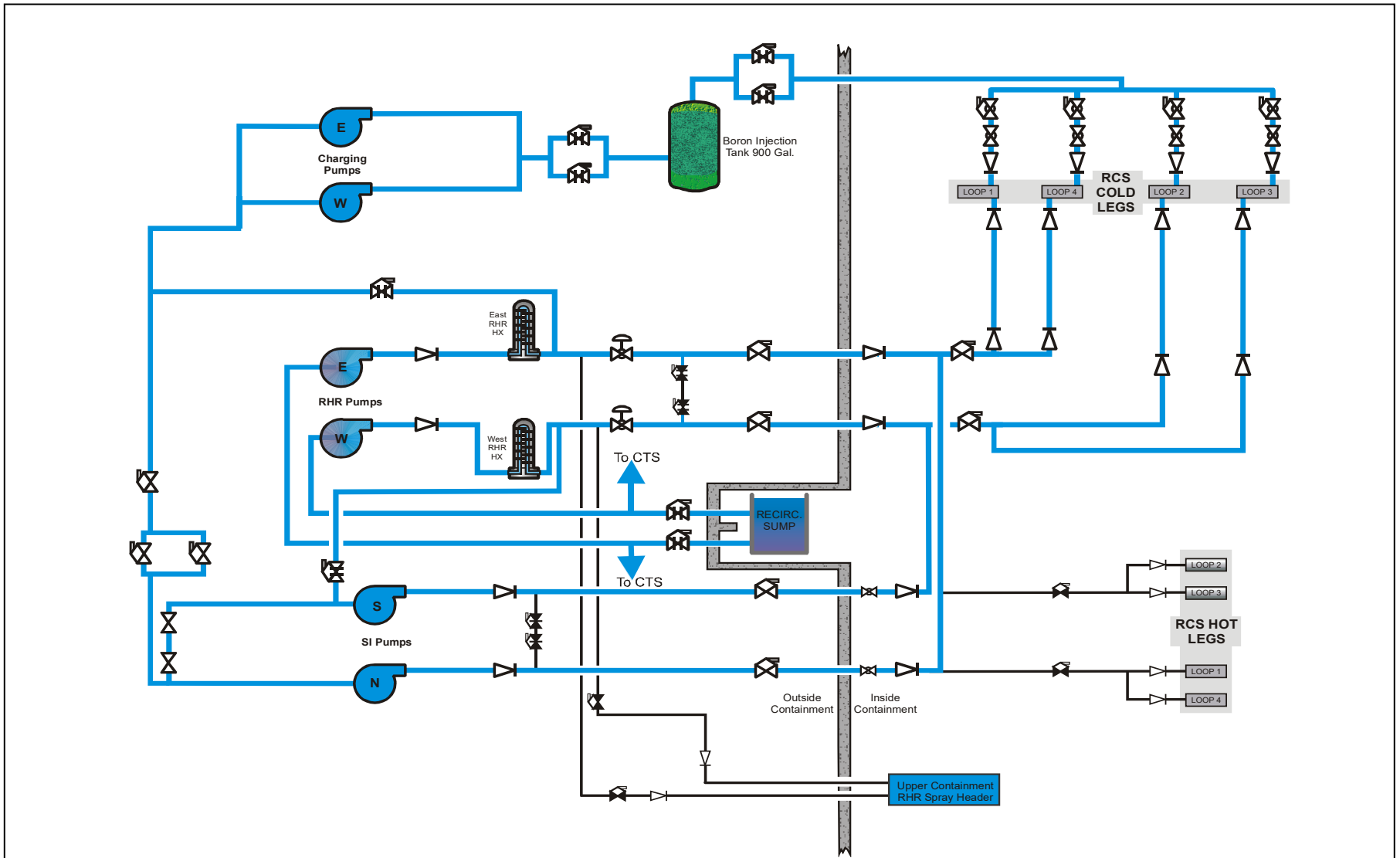
Revision: 22	Change Description: UCR-1917	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN		Title: 30 Day Chemical Effects Head Loss Testing Pressure Drop Time History
UFSAR Figure: 14.3.9-23		Sheet 1 of 2

UFSAR Revision 30.0



Revision: 22	Change Description: UCR-1917	
AMERICAN ELECTRIC POWER COOK NUCLEAR PLANT NUCLEAR GENERATION GROUP BRIDGMAN, MICHIGAN		Title: 30 Day Chemical Effects Head Loss Testing Pressure Drop Time History
UFSAR Figure: 14.3.9-23		Sheet 2 of 2

UFSAR Revision 30.0



Revision: **22**

Change Description: **UCR-1917**

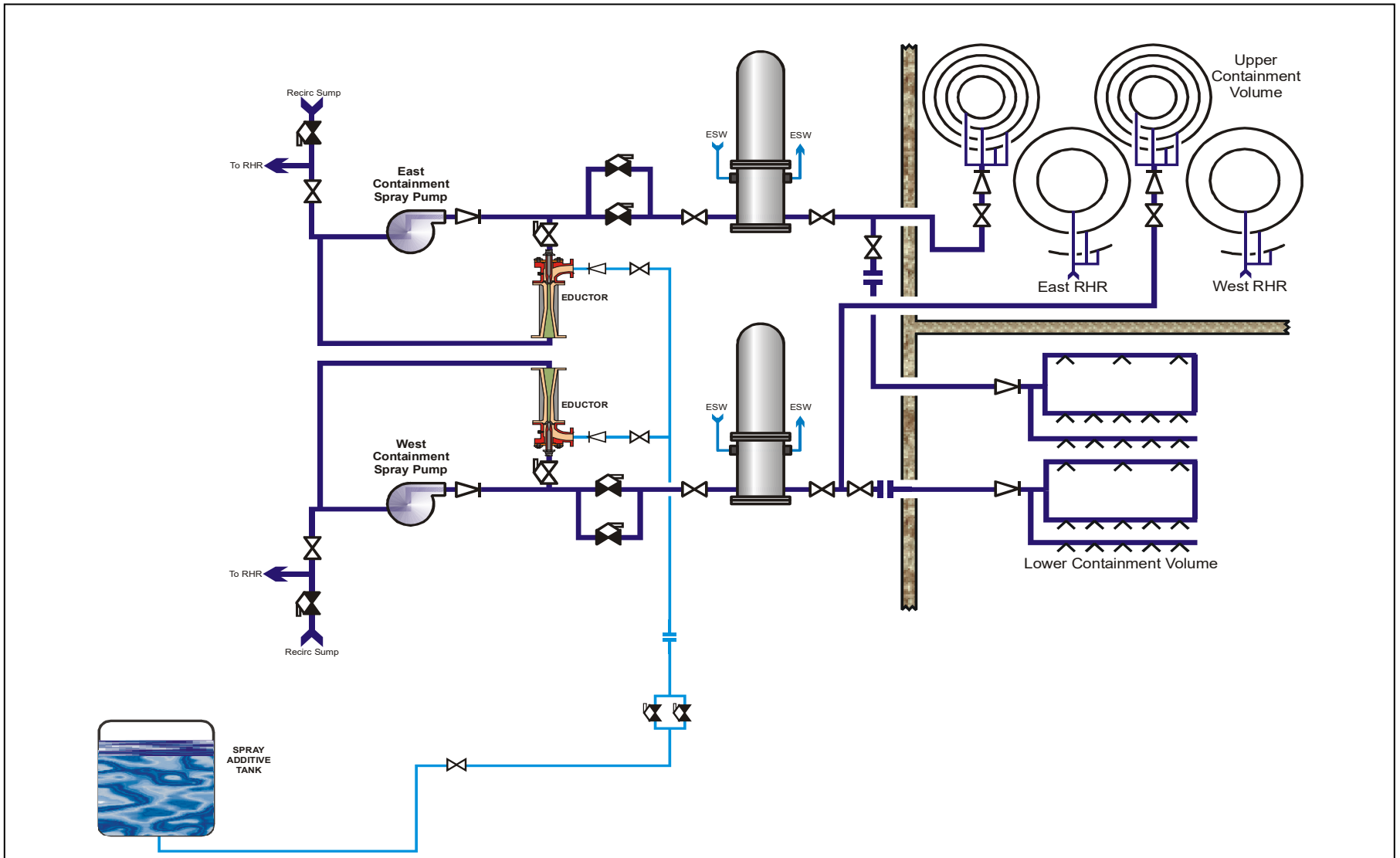
**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **ECCS Recirculation Flow Path**

UFSAR Figure: **14.3.9-24**

Sheet 1 of 1

UFSAR Revision 30.0



Revision: **22**

Change Description: **UCR-1917**

**AMERICAN ELECTRIC POWER
COOK NUCLEAR PLANT
NUCLEAR GENERATION GROUP
BRIDGMAN, MICHIGAN**

Title: **CTS Recirculation Flow Path**

UFSAR Figure: **14.3.9-25**

Sheet 1 of 1