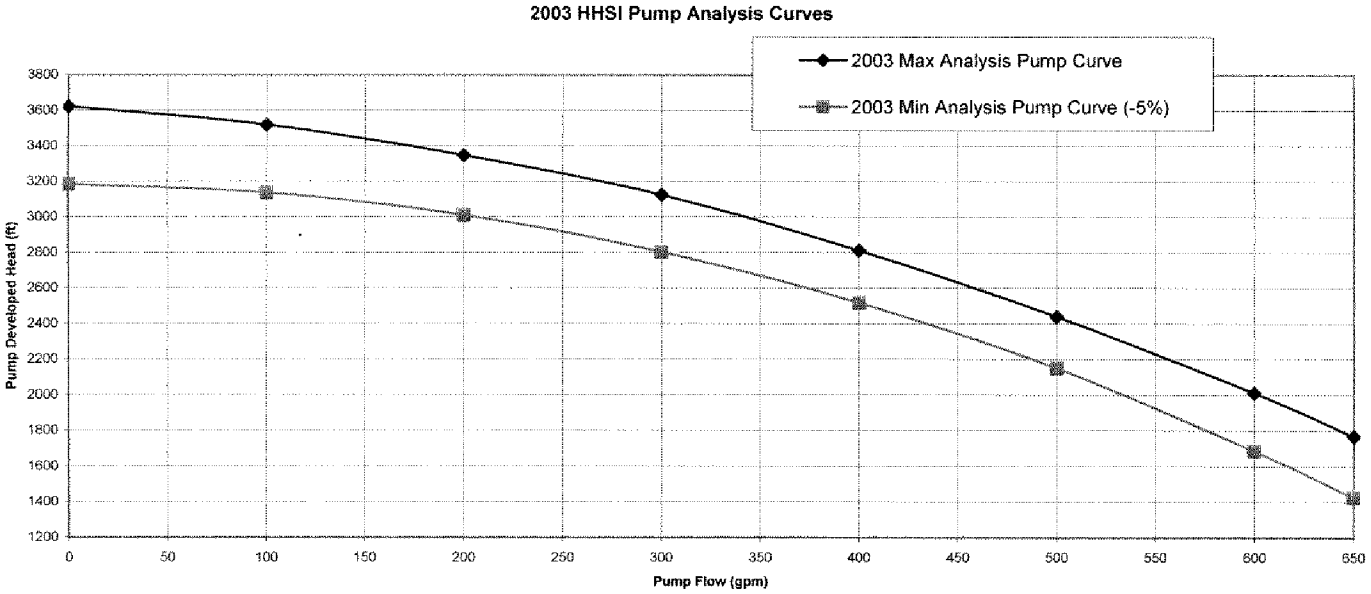
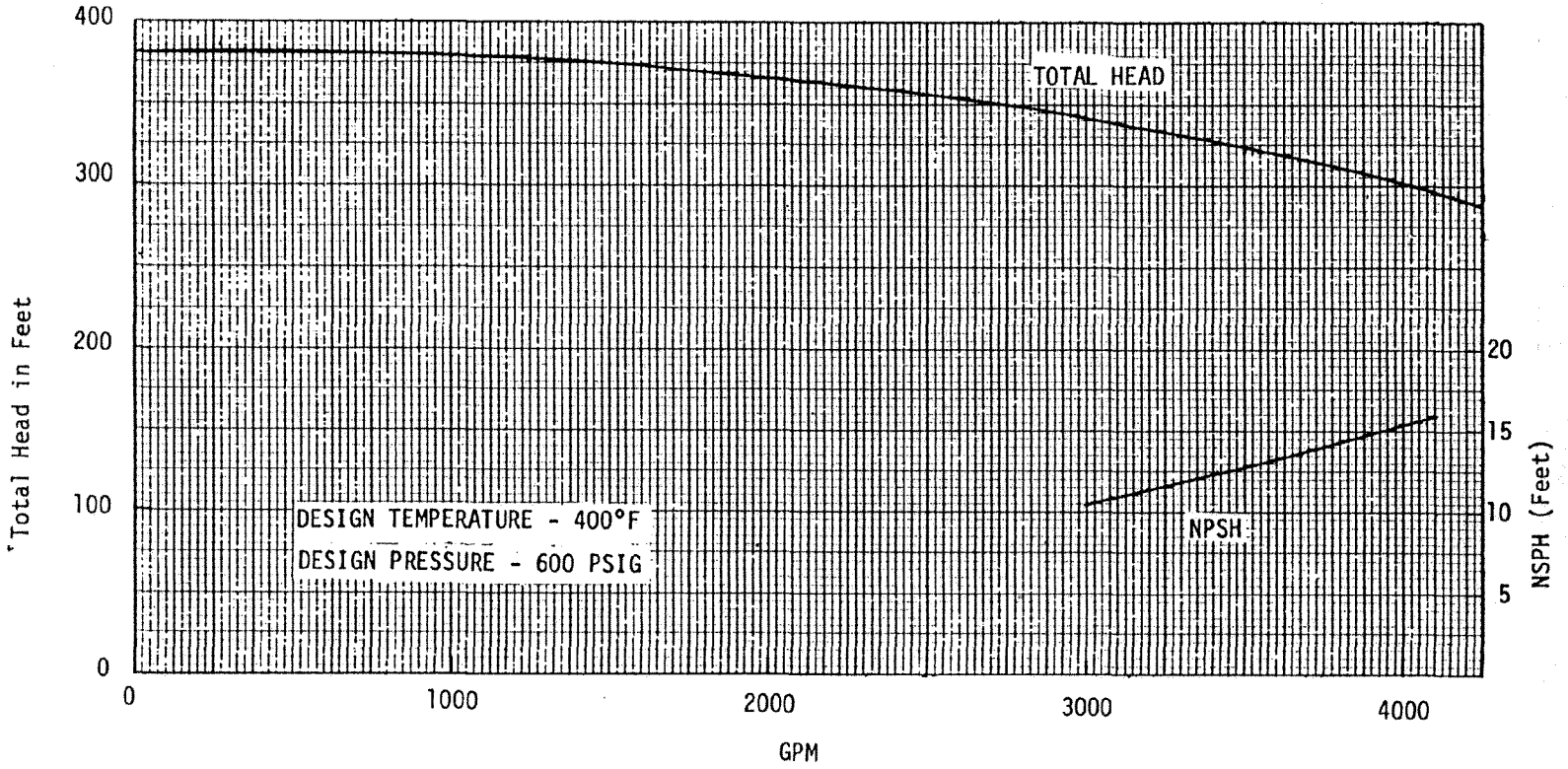
INDIAN POINT 3
HIGH HEAD SAFETY INJECTION PUMP



NOTE: CURVES SHOWN ARE BASED ON COMPOSITE DATA CONSIDERING VARIATIONS IN THE CERTIFIED PUMP CURVES OR THE AS TESTED PUMP CURVES FOR ALL THREE PUMPS. THE MAXIMUM CURVE IS A COMPOSITE OF THE THREE PUMP CERTIFIED CURVES ENHANCED FROM 1 TO 3 PERCENT AT EACH FLOW POINT. THE MINIMUM CURVE IS BASED ON THE LOWEST CERTIFIED PUMP HEAD DECREASED BY 5% AT EACH FLOW POINT. THE MAXIMUM AND MINIMUM CURVES HAVE BEEN USED IN THE SYSTEM HYDRAULIC FLOW ANALYSIS AND DO NOT INCLUDE MEASUREMENT UNCERTAINTY.

INDIAN POINT UNIT No. 3	
SAFETY INJECTION PUMP PERFORMANCE	
UFSAR FIGURE 6.2-2	REV. No. 01



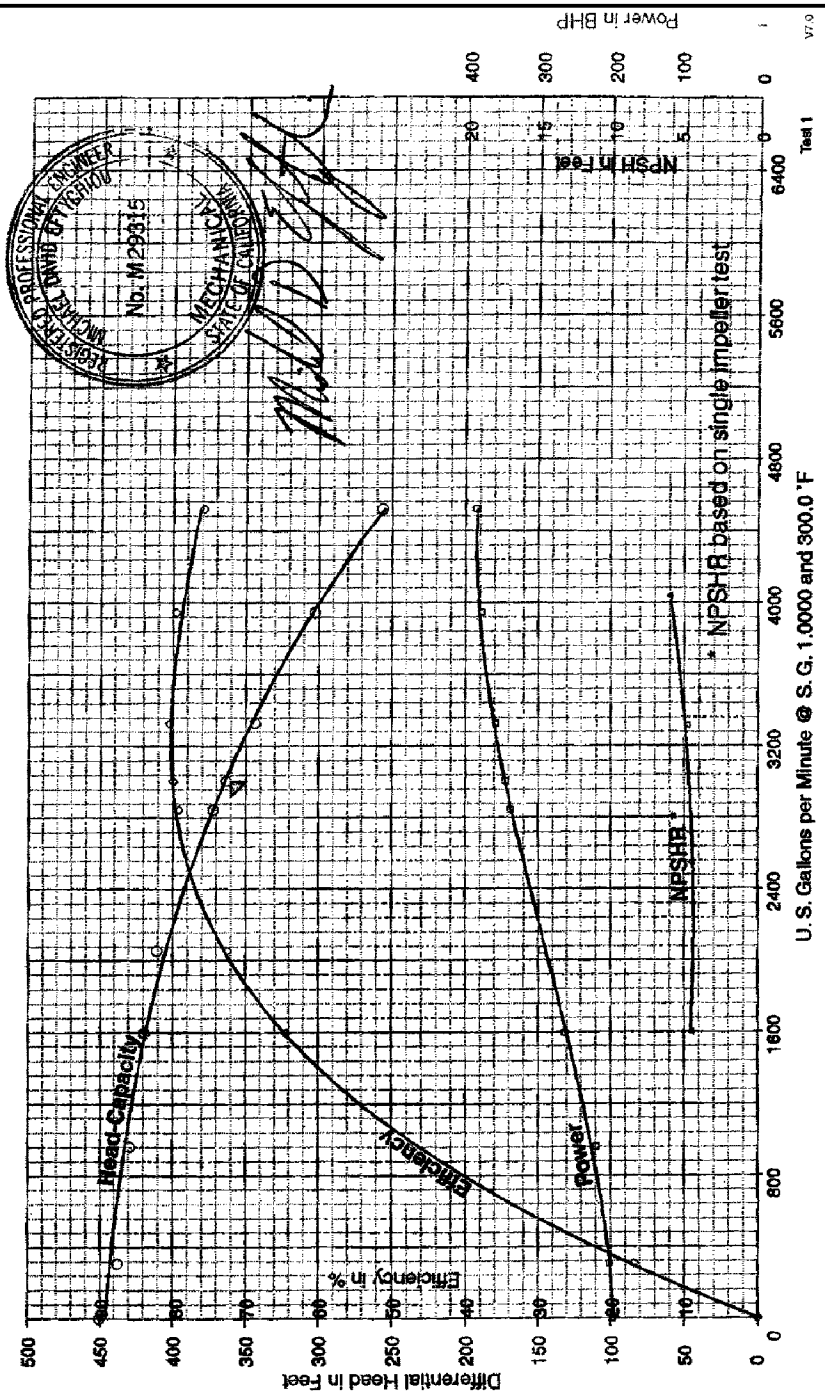
NOTE:

CURVE SHOWN IS CERTIFIED PUMP CURVE REDUCED BY 5% (18 FT.) THIS IS DONE BY TAKING 5% OF THE DEVELOPED HEAD AT THE DESIGN POINT ON THE PUMP CURVE AND APPLYING THIS CORRECTION (18 FT.) UNIFORMLY OVER THE ENTIRE CURVE.

INDIAN POINT 3 FSAR UPDATE

RESIDUAL HEAT REMOVAL PUMP PERFORMANCE

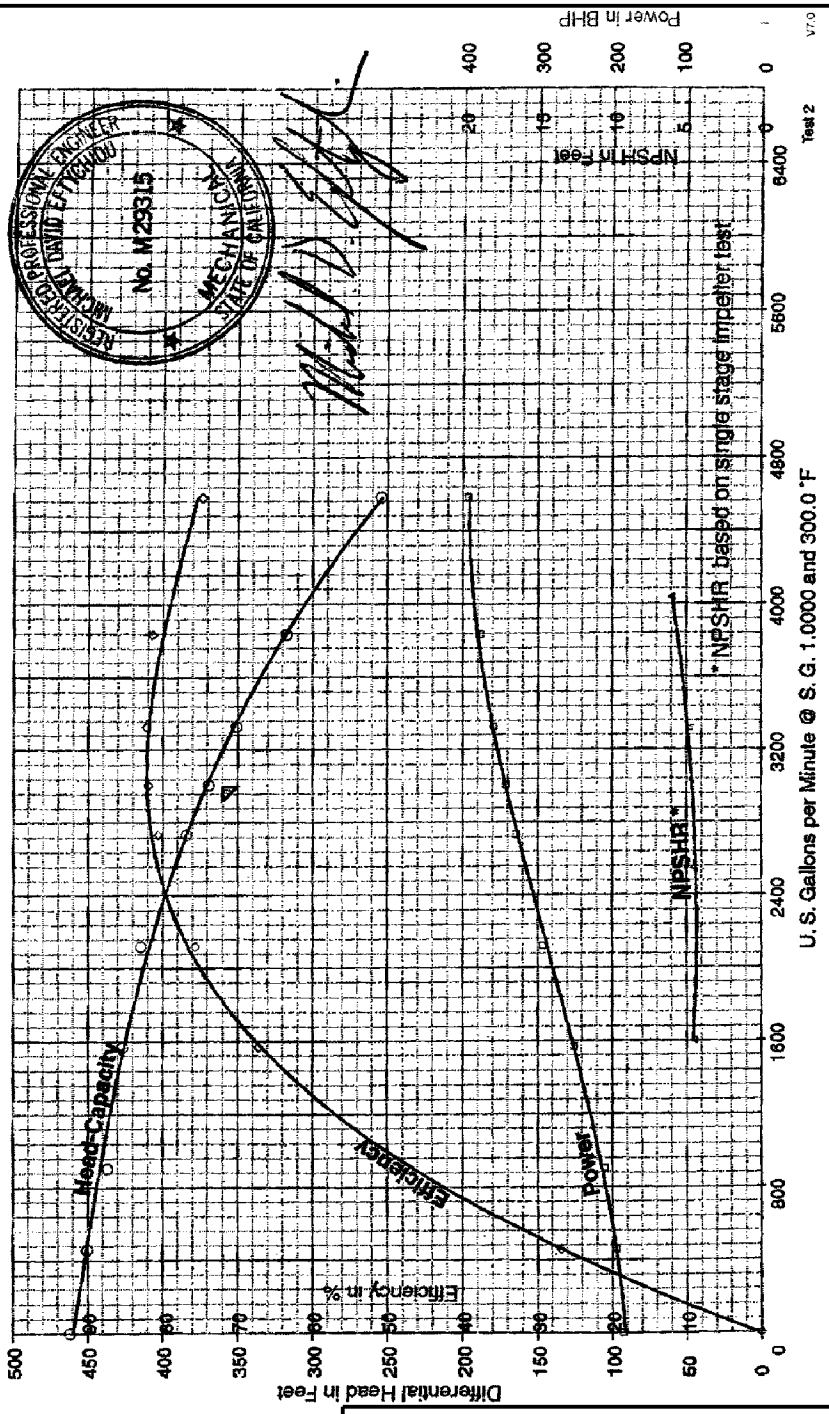
REV. 1, JULY 1993 FIGURE NO. 6.2-3



INDIAN POINT UNIT No. 3

RECIRCULATION PUMP
SERIAL #1 – PUMP 31
PERFORMANCE

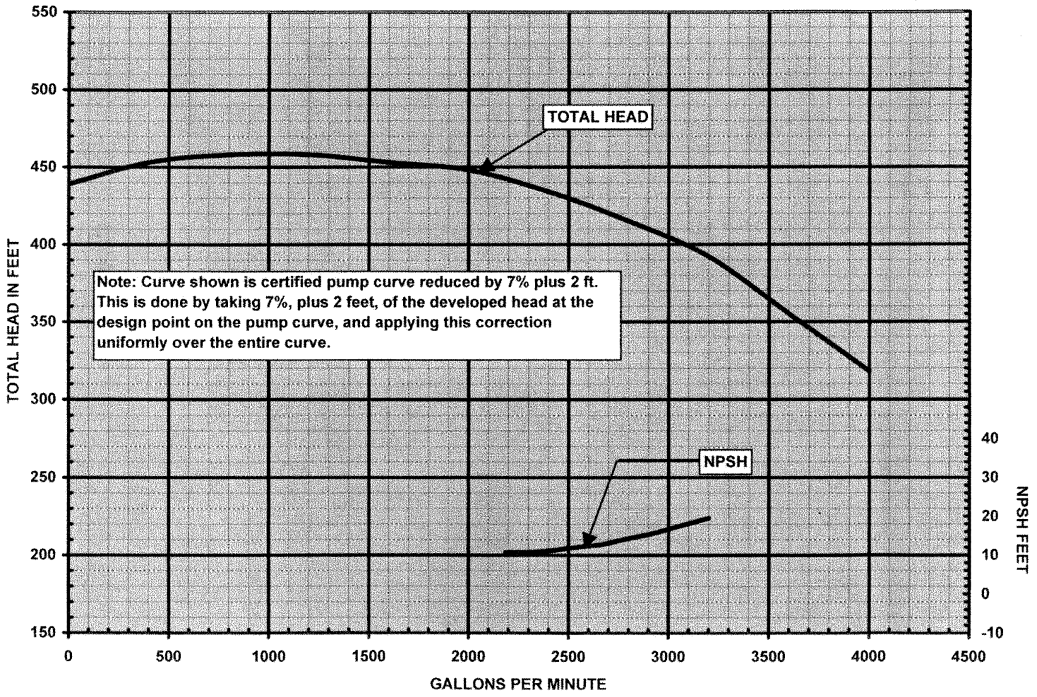
UFSAR FIGURE 6.2–4A	REV. No. 02



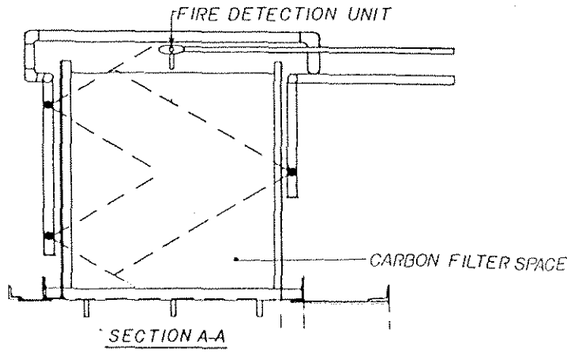
INDIAN POINT UNIT No. 3

RECIRCULATION PUMP SERIAL #2 – PUMP 32 PERFORMANCE

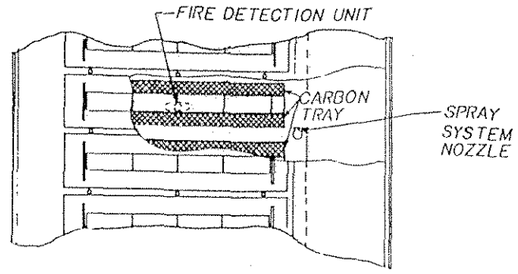
UFSAR FIGURE 6.2–4B	REV. No. 02



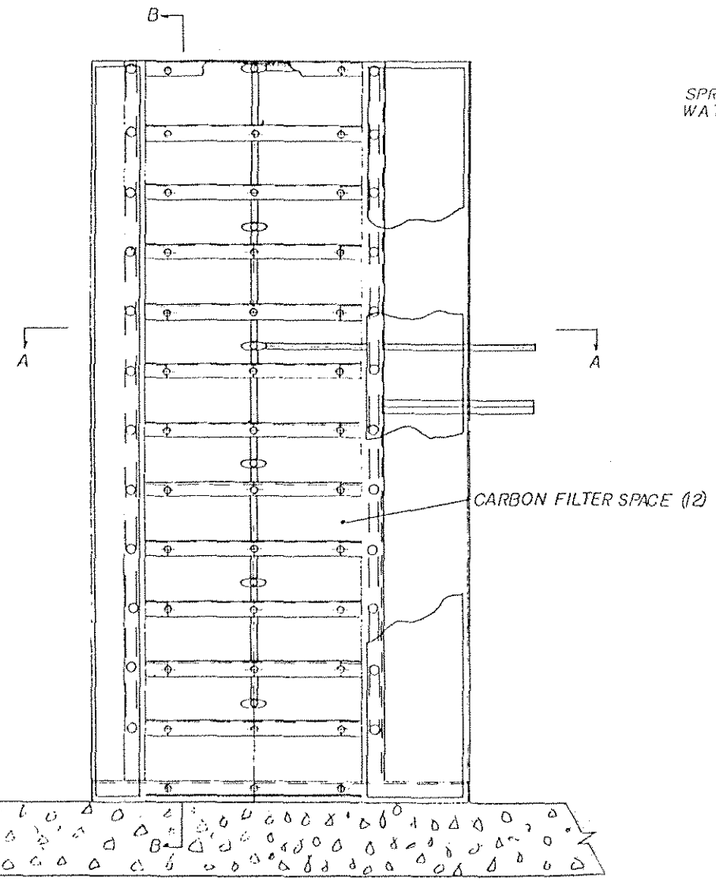
INDIAN POINT UNIT No. 3	
CONTAINMENT SPRAY PUMP PERFORMANCE CHARACTERISTICS	
UFSAR FIGURE 6.3-1	REV. No. 01



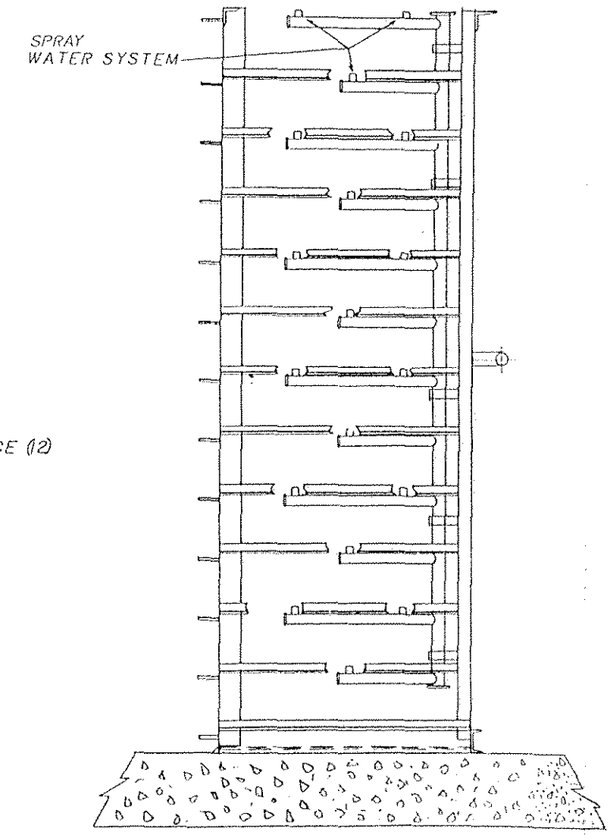
SECTION A-A



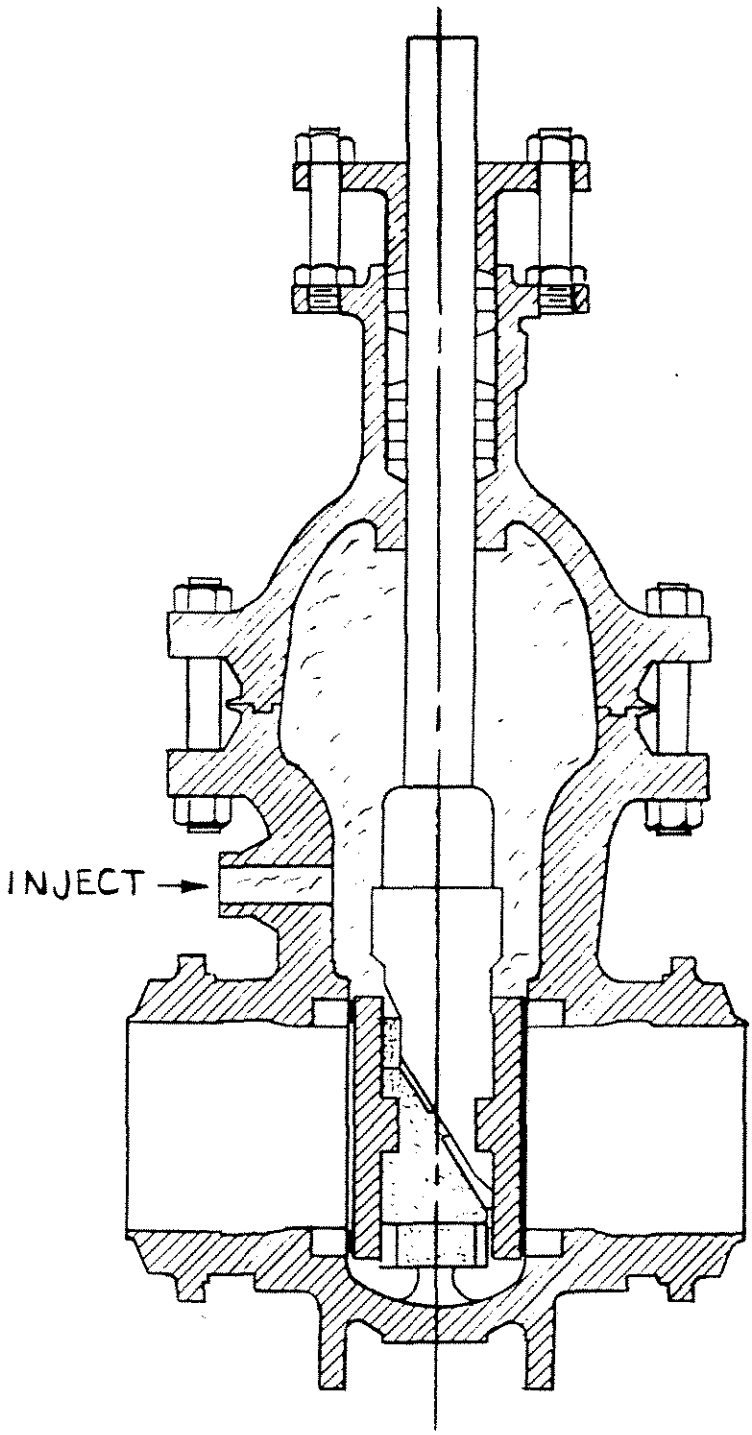
CARBON FILTER DETAIL



FRONT ELEVATION

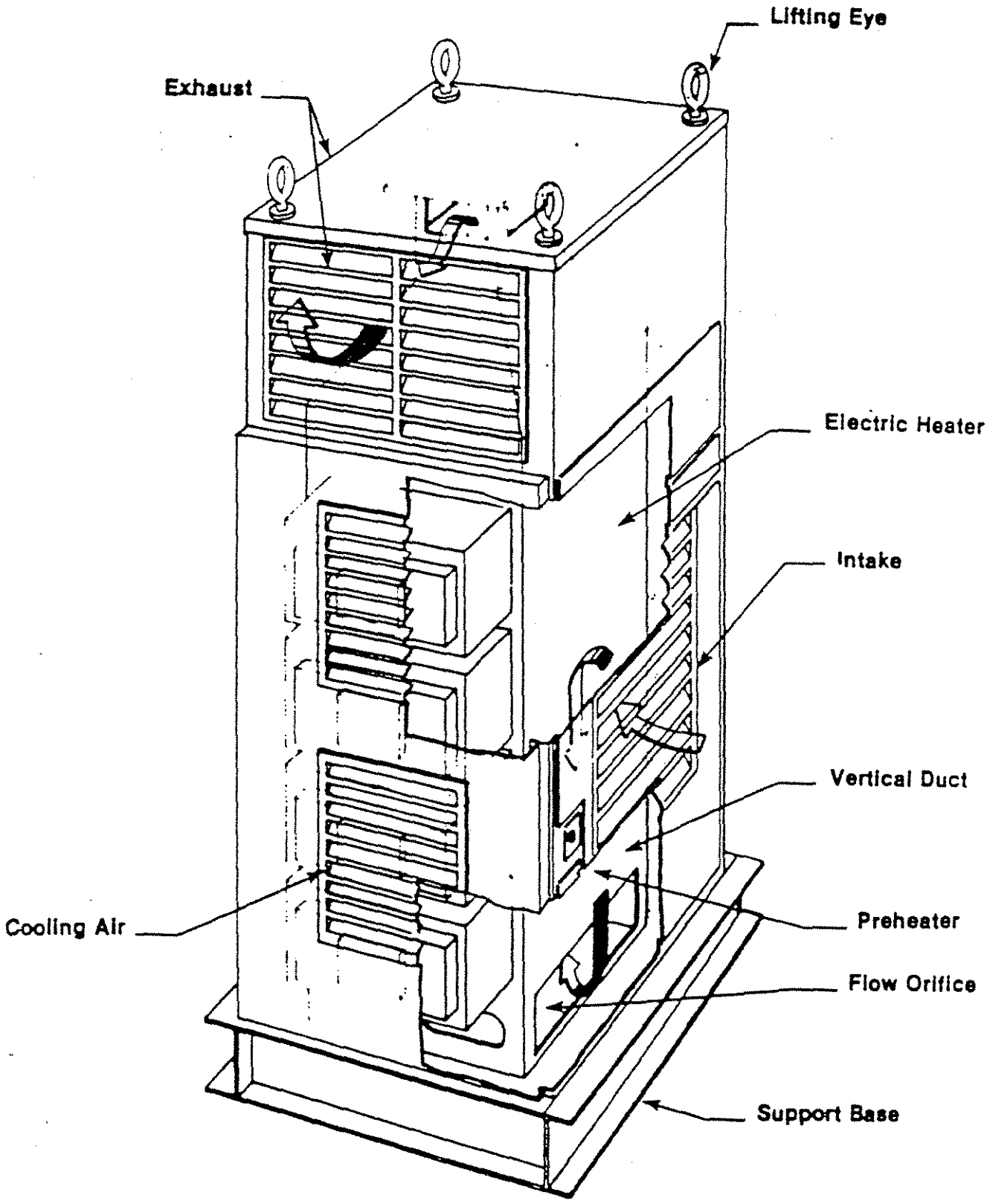


INDIAN POINT 3		FSAR UPDATE
FIRE DETECTION, SPRAY WATER AND CARBON CELL BANKING ARRANGEMENT		
REV. 0	JULY, 1982	FIGURE NO. 6.4-4

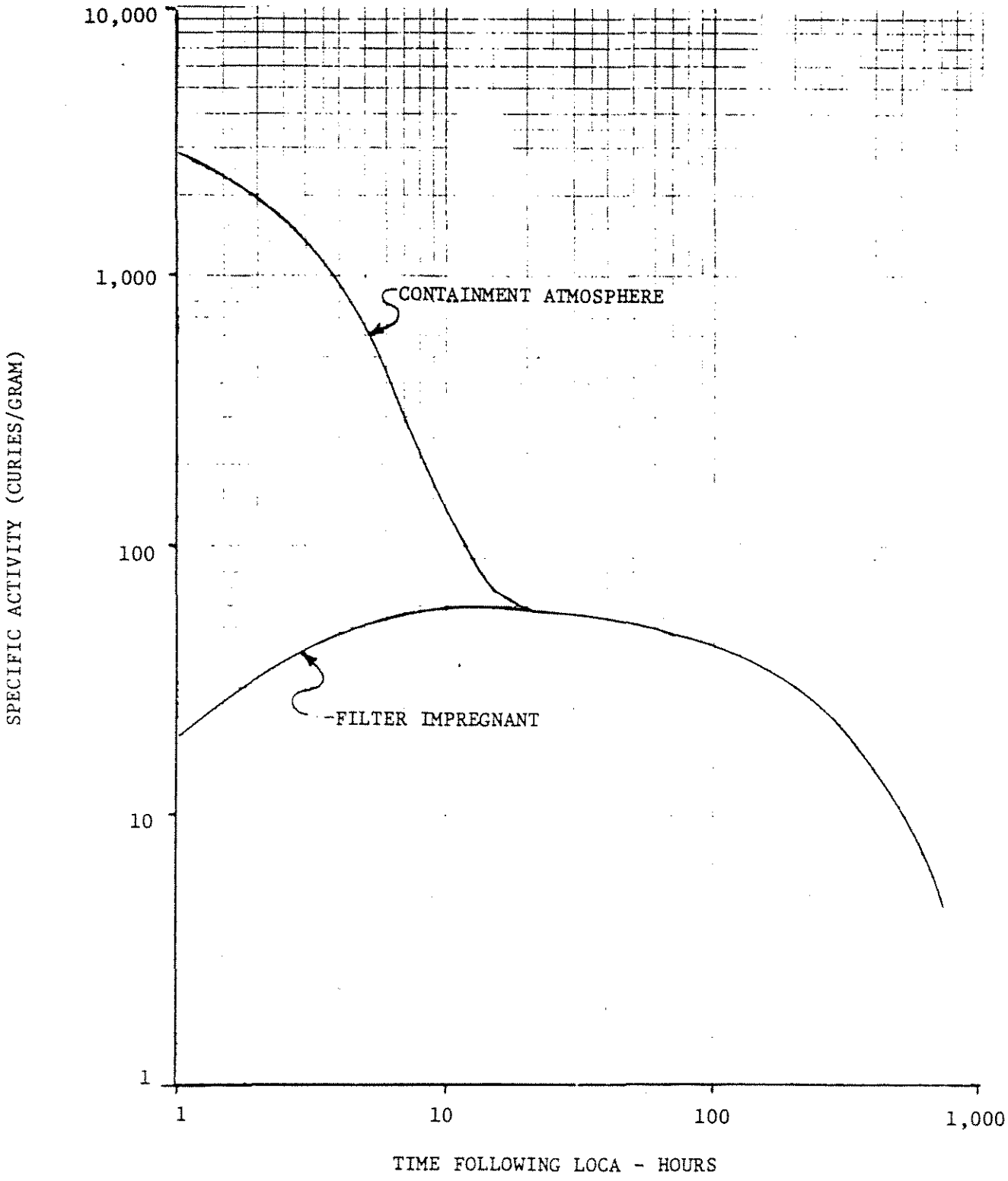


DOUBLE DISK ISOLATION VALVE WITH SEAL WATER INJECTION

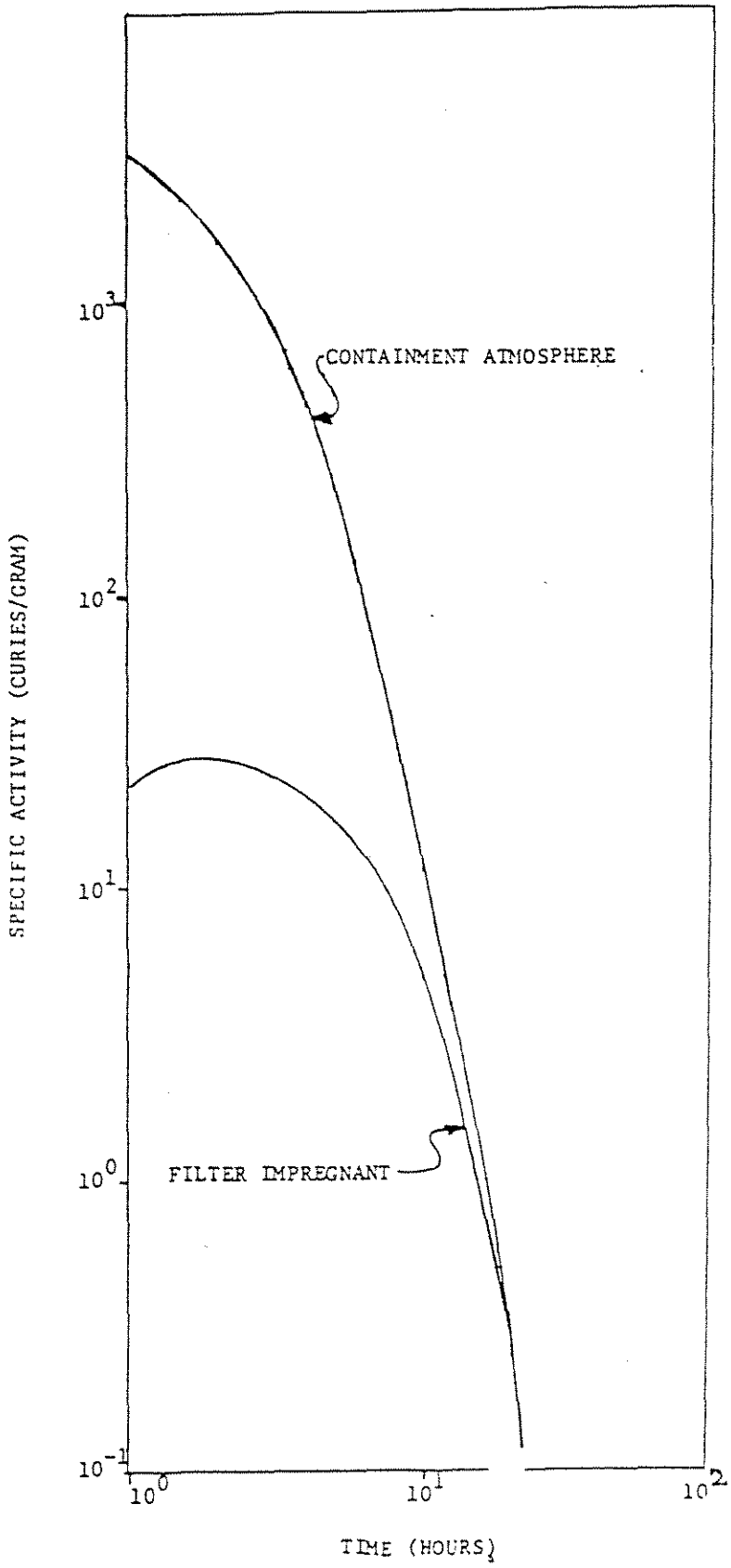
INDIAN POINT 3		FSAR UPDATE
DOUBLE DISK ISOLATION VALVE WITH SEAL WATER INJECTION		
REV. 0	JULY, 1982	FIGURE NO. 6.5-2



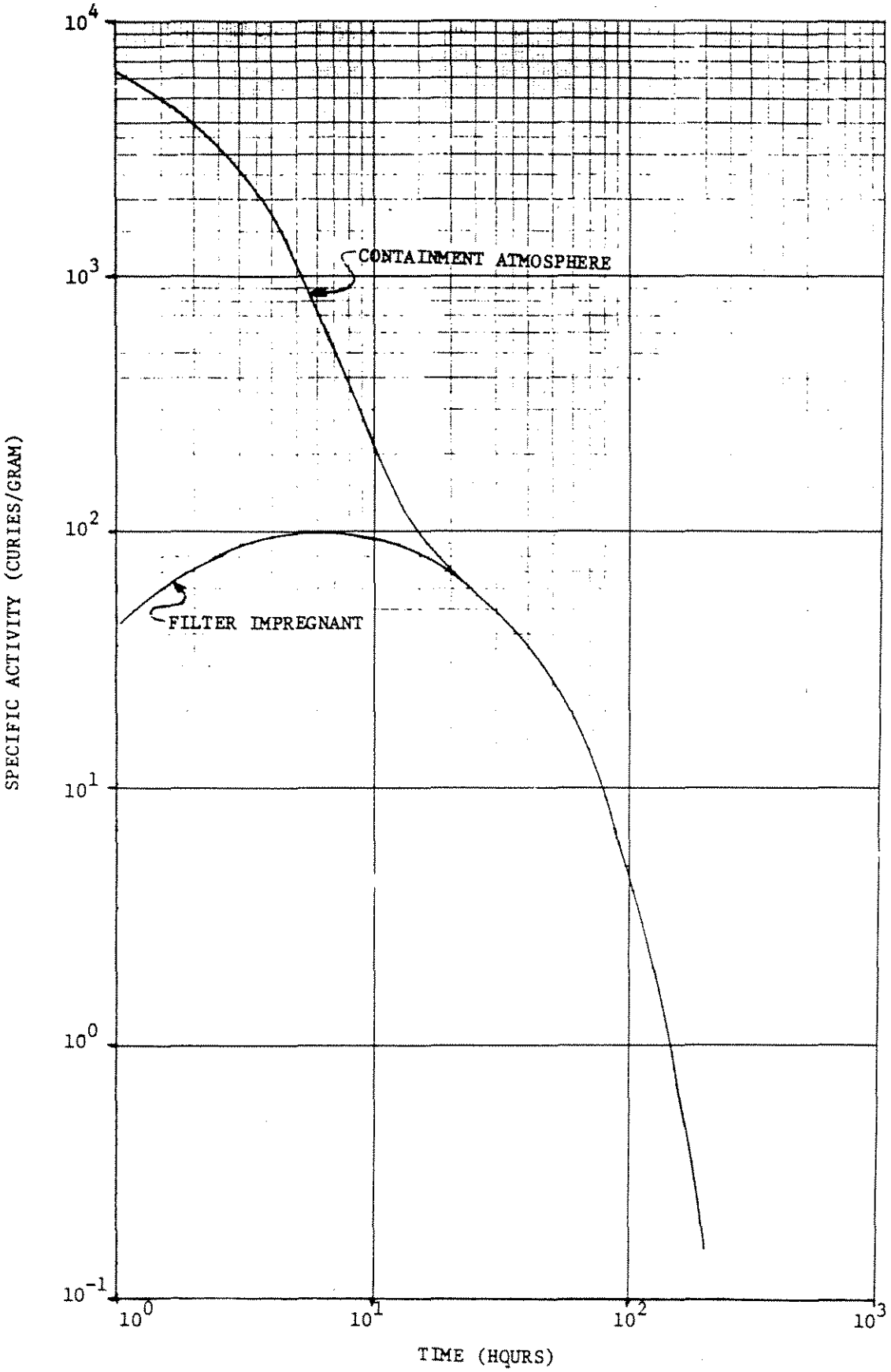
INDIAN POINT 3	FSAR UPDATE
MODEL B ELECTRIC HYDROGEN RECOMBINER	
REV. 1, JULY 1993	FIGURE NO. 6.8-1



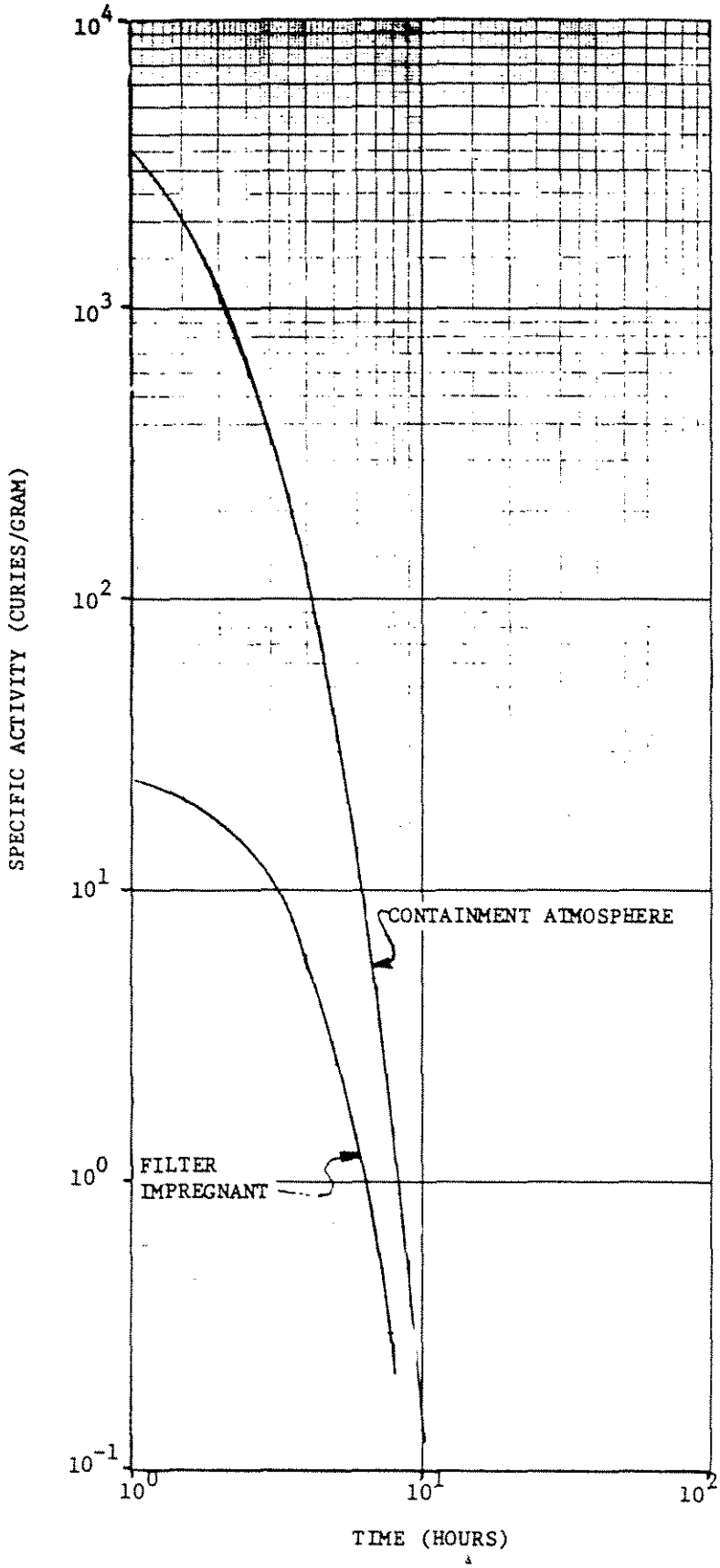
INDIAN POINT 3	FSAR UPDATE
SPECIFIC ACTIVITY VS. TIME - 70% FILTER EFFICIENCY FOR I-131	
REV. 0	JULY 1982 | FIGURE NO. 6C-1



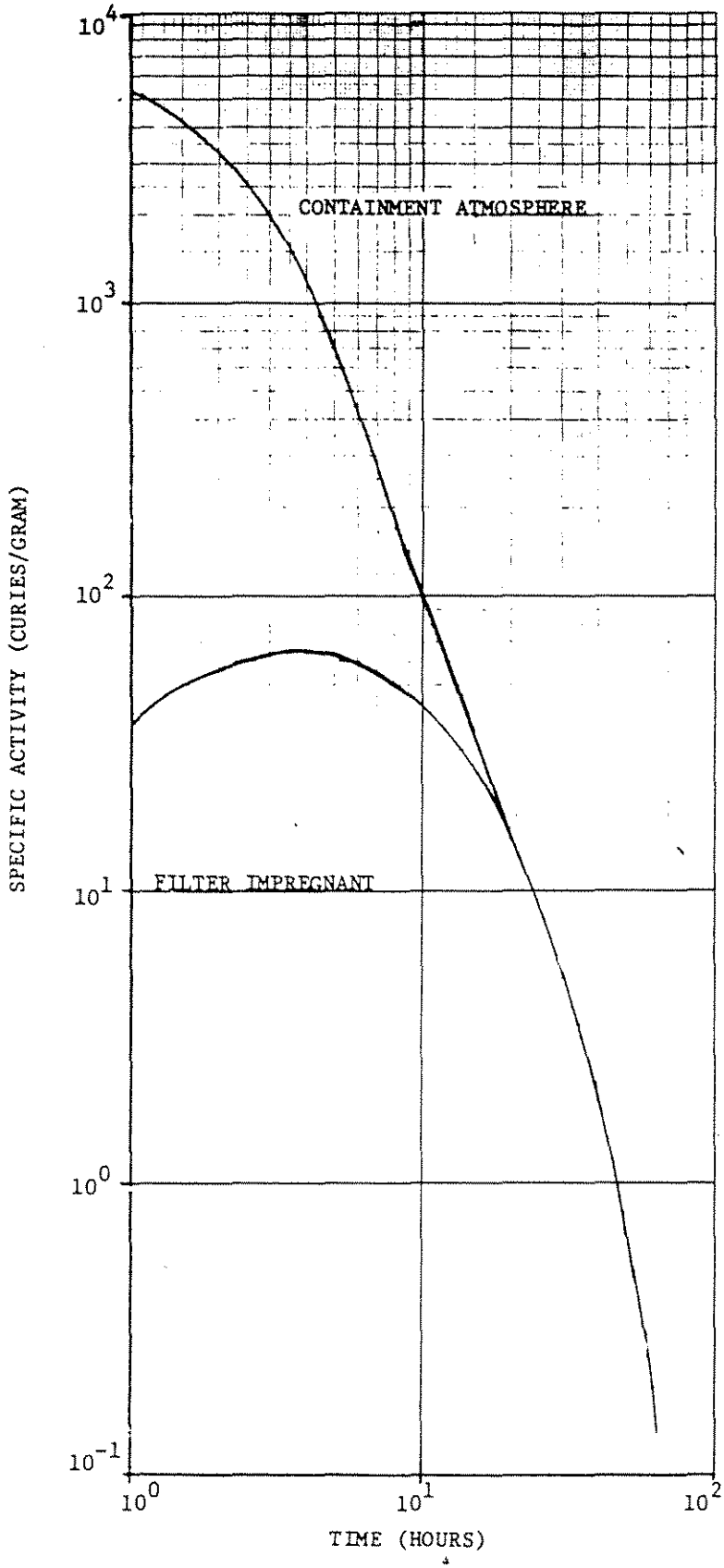
INDIAN POINT 3		FSAR UPDATE
SPECIFIC ACTIVITY OF I-132 - 70% FILTER		
REV. 0	JULY, 1982	FIGURE NO. 6C-2



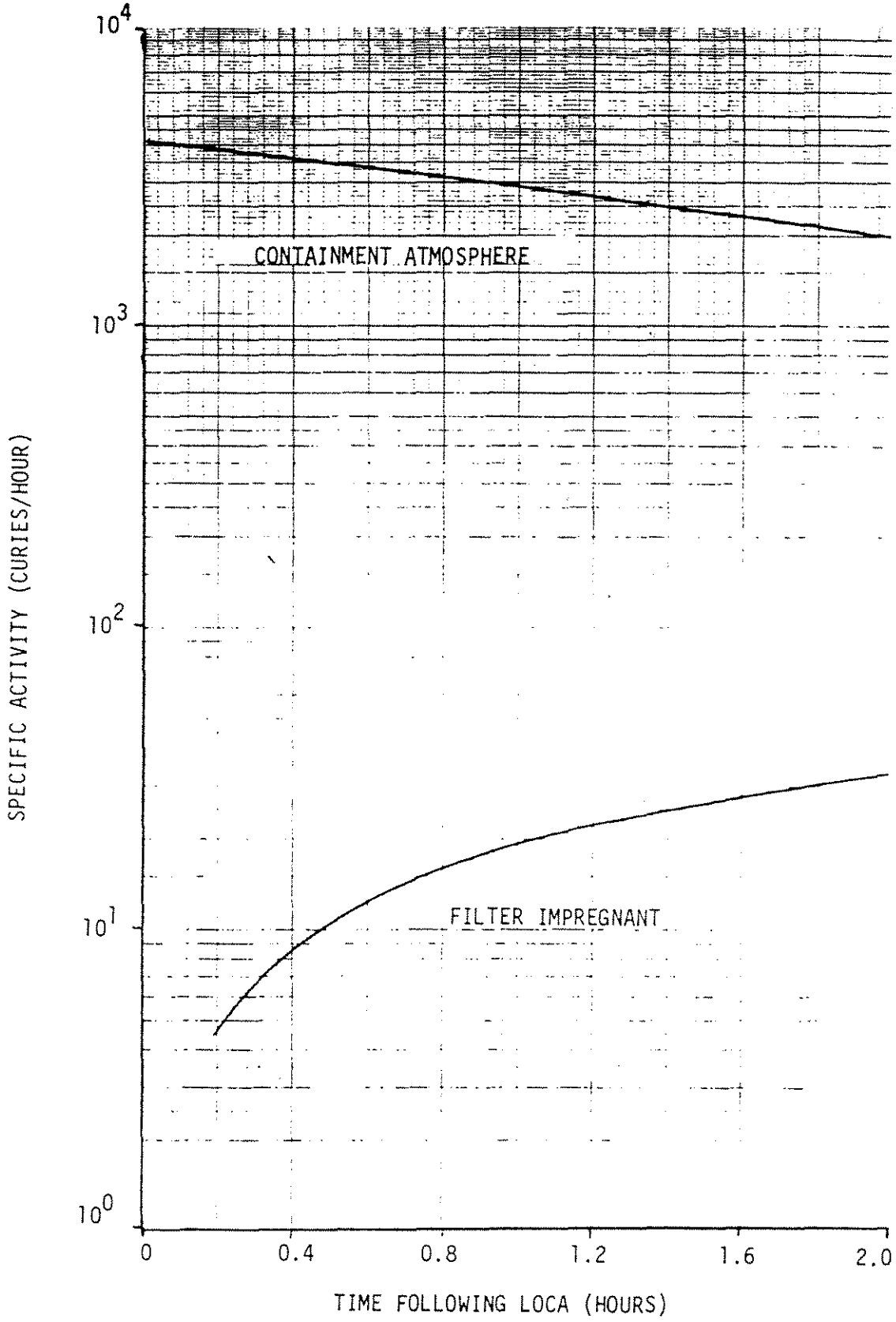
INDIAN POINT 3	FSAR UPDATE
SPECIFIC ACTIVITY OF I-133 - 70% FILTER	
REV. 0 JULY, 1982	FIGURE NO. 6C-3



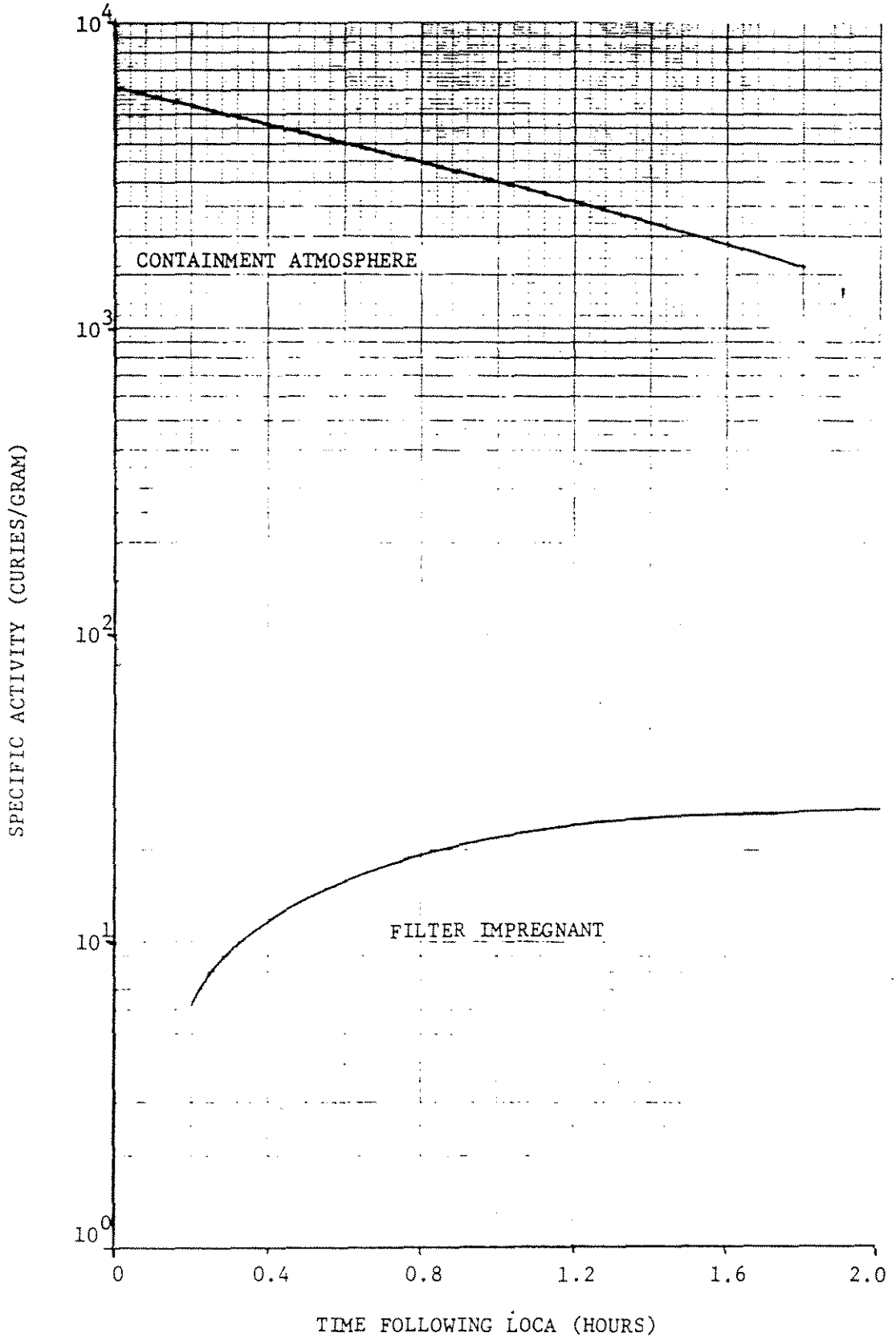
INDIAN POINT 3	FSAR UPDATE
SPECIFIC ACTIVITY OF I-134 - 70% FILTER	
REV. 0 JULY, 1982	FIGURE NO. 6C-4



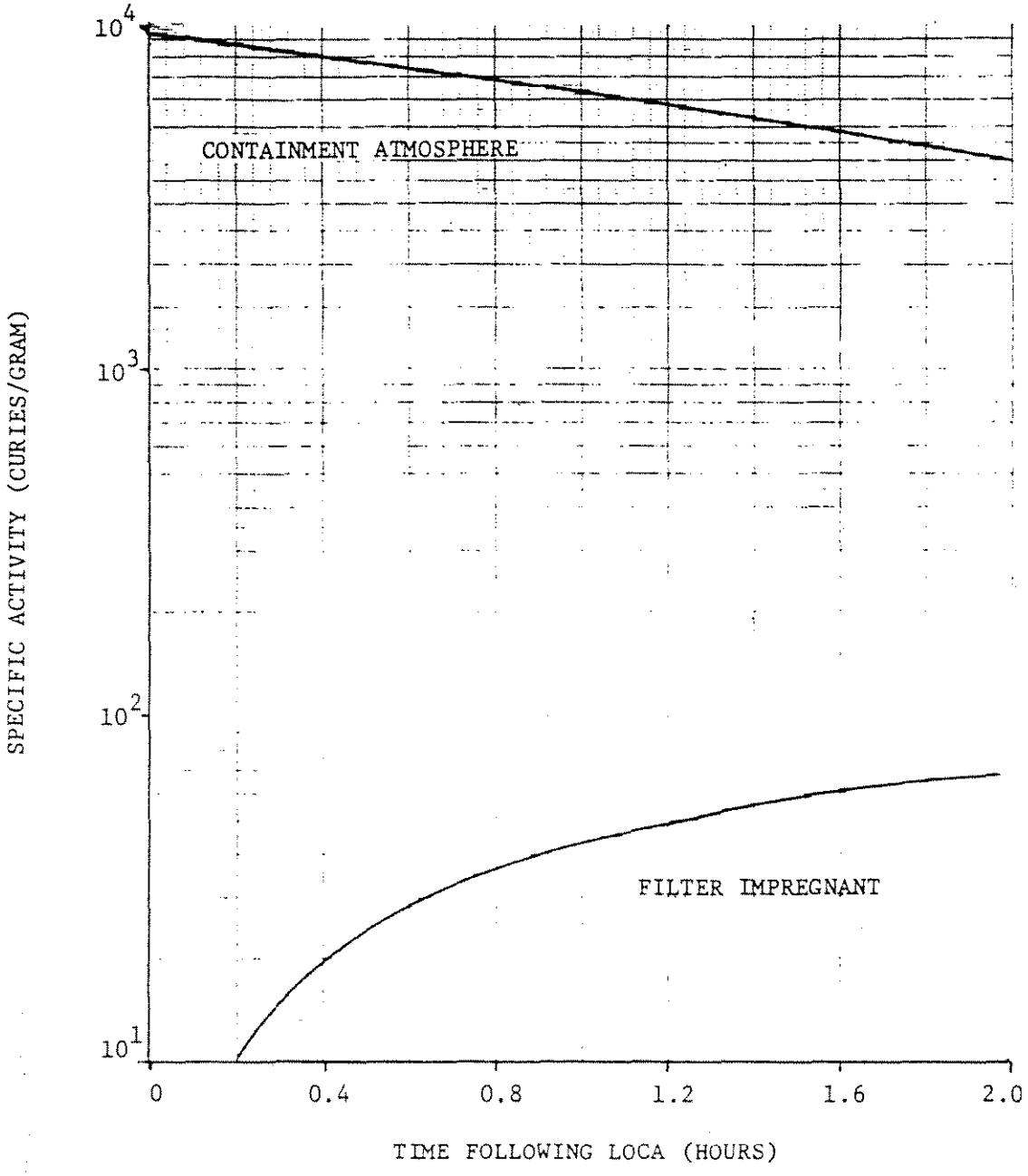
INDIAN POINT 3	FSAR UPDATE
SPECIFIC ACTIVITY OF I-135 - 70% FILTER	
REV. 0 JULY, 1982	FIGURE NO. 6C-5



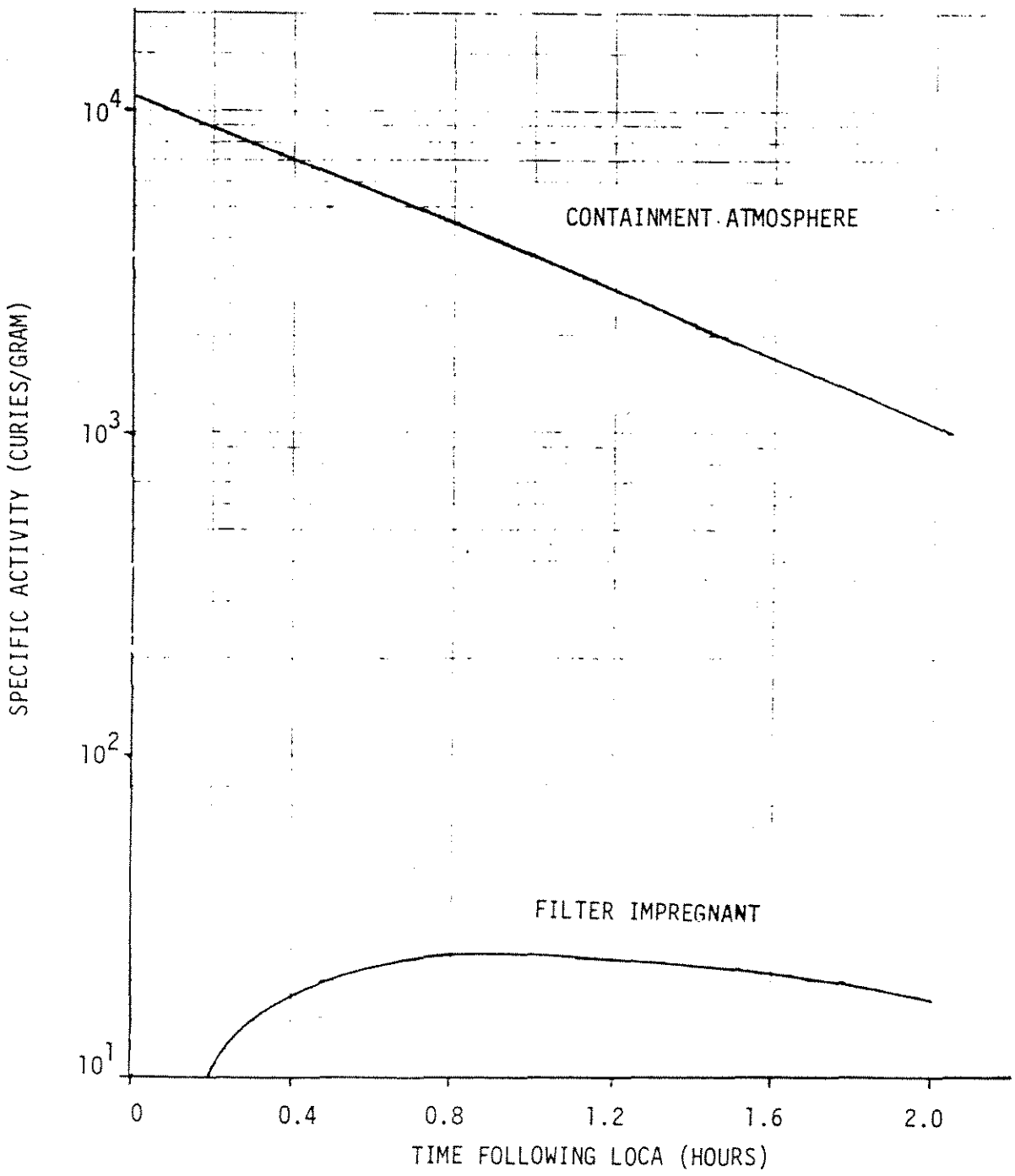
INDIAN POINT 3		FSAR UPDATE
SPECIFIC ACTIVITY OF I-131 - 70% FILTER		
REV. 0	JULY, 1982	FIGURE NO. 6C-6



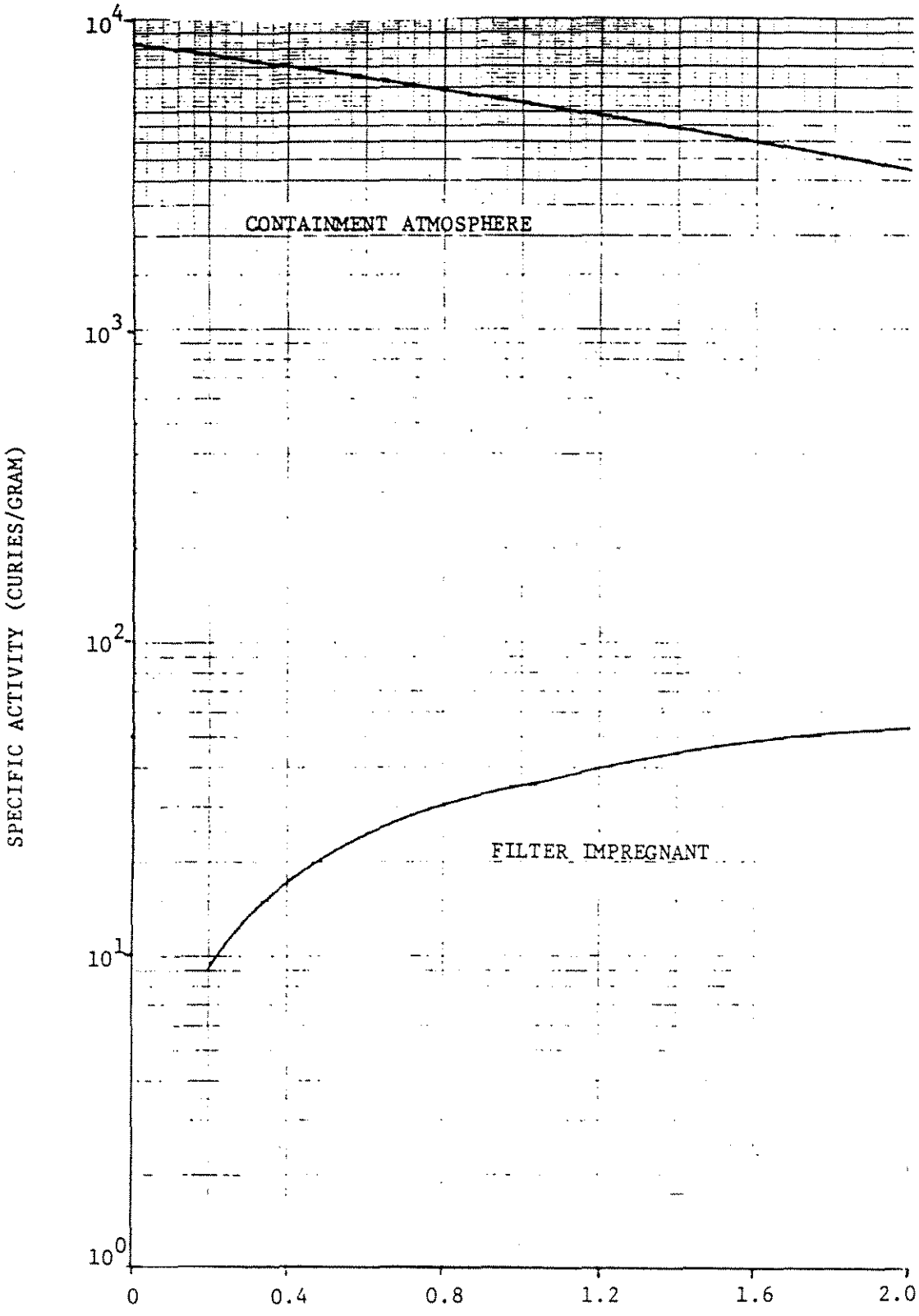
INDIAN POINT 3		FSAR UPDATE
SPECIFIC ACTIVITY OF I-132 — 70% FILTER		
REV. 0	JULY, 1982	FIGURE NO. 6C-7



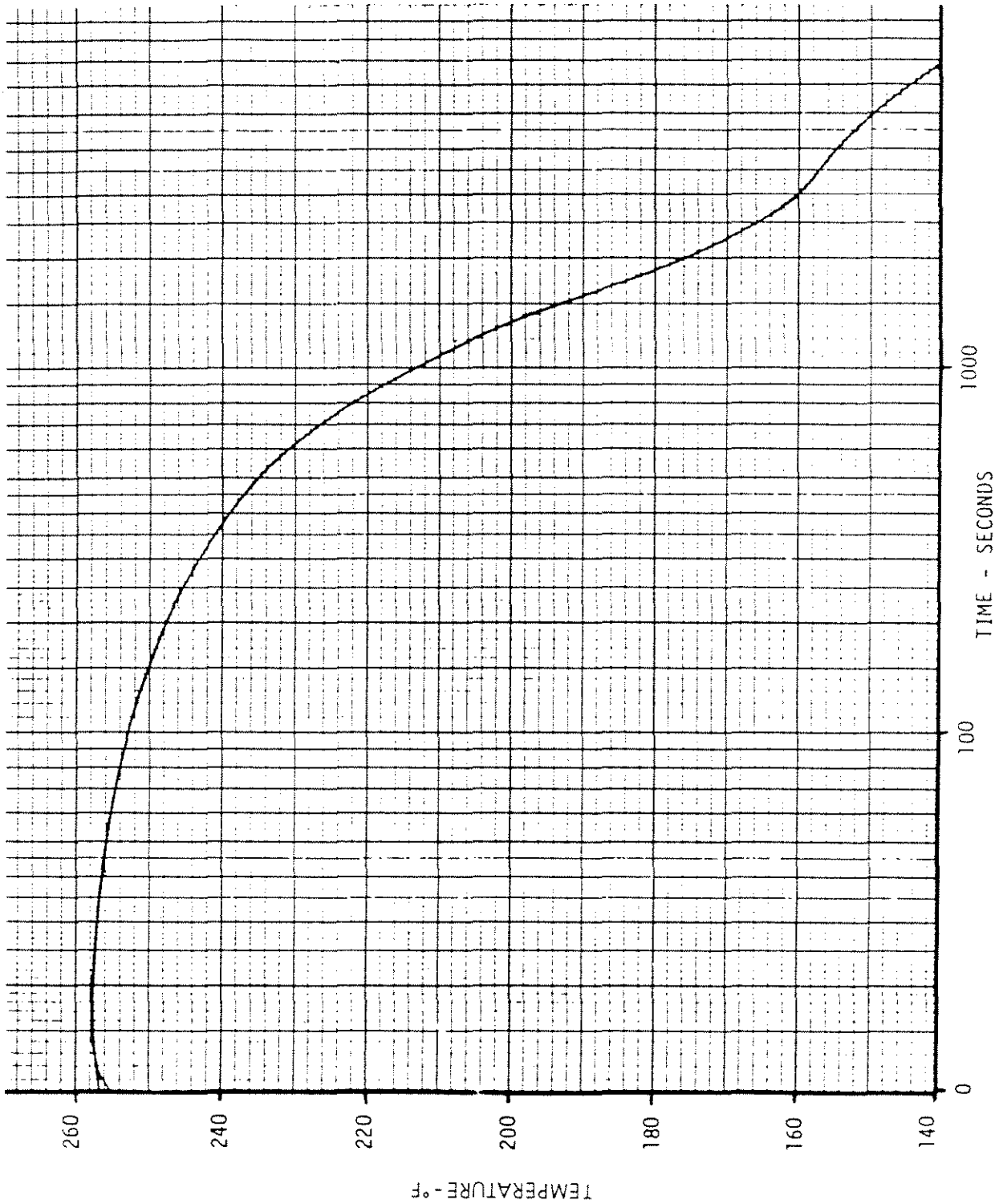
INDIAN POINT 3		FSAR UPDATE
SPECIFIC ACTIVITY OF I-133 - 70% FILTER		
REV. 0	JULY, 1982	FIGURE NO. 6C-8



INDIAN POINT 3		FSAR UPDATE
SPECIFIC ACTIVITY OF I-134 - 70% FILTER		
REV. 0	JULY, 1982	FIGURE NO. 6C-9

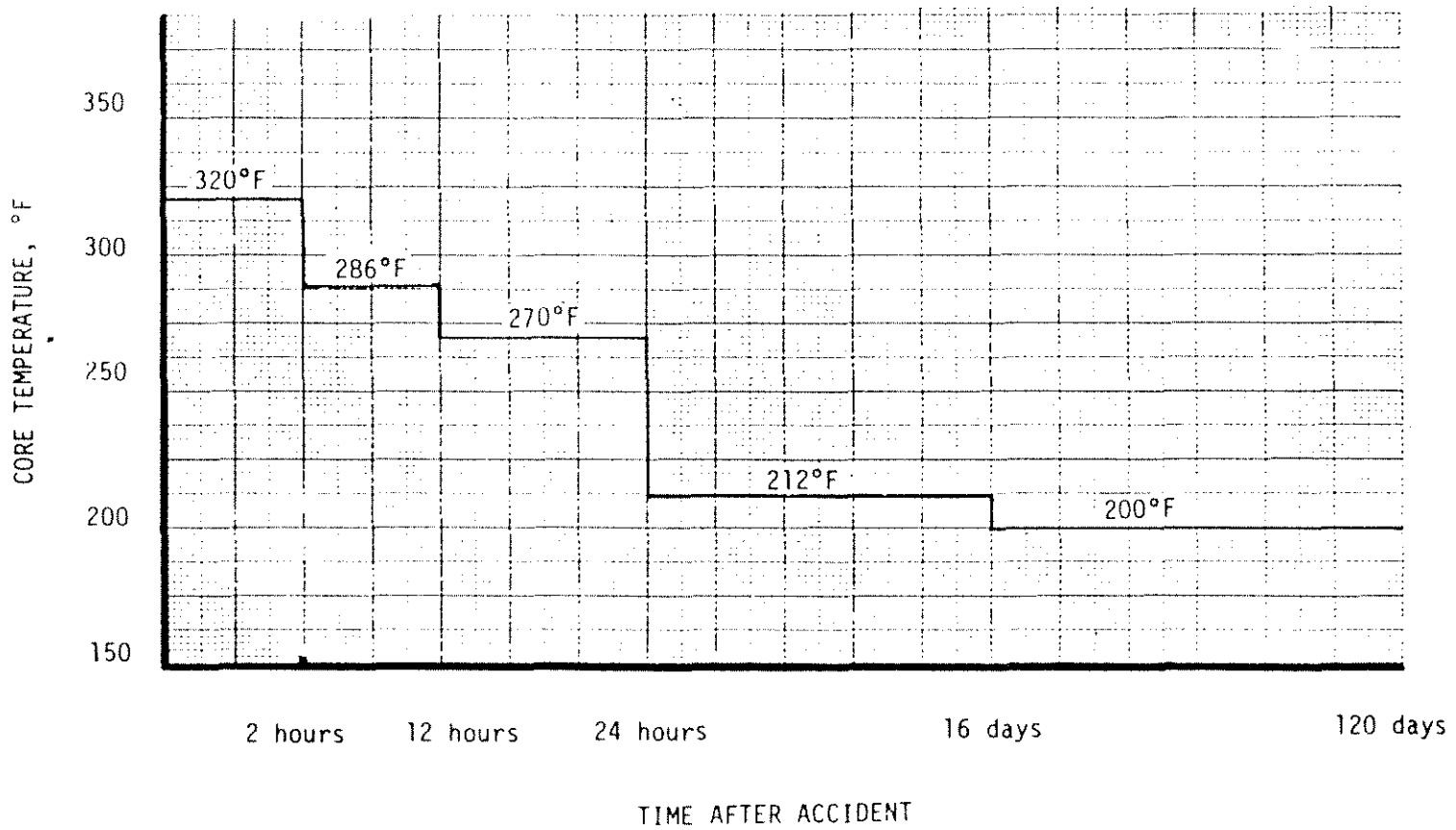


INDIAN POINT 3		FSAR UPDATE
SPECIFIC ACTIVITY OF I-135 - 70% FILTER		
REV. 0	JULY, 1982	FIGURE NO. 6C-10



INDIAN POINT 3	FSAR UPDATE
CONTAINMENT ATMOSPHERE TEMPERATURE DESIGN BASES SAFETY INJECTION	
REV. 0 JULY, 1982	FIGURE NO. 6D-1

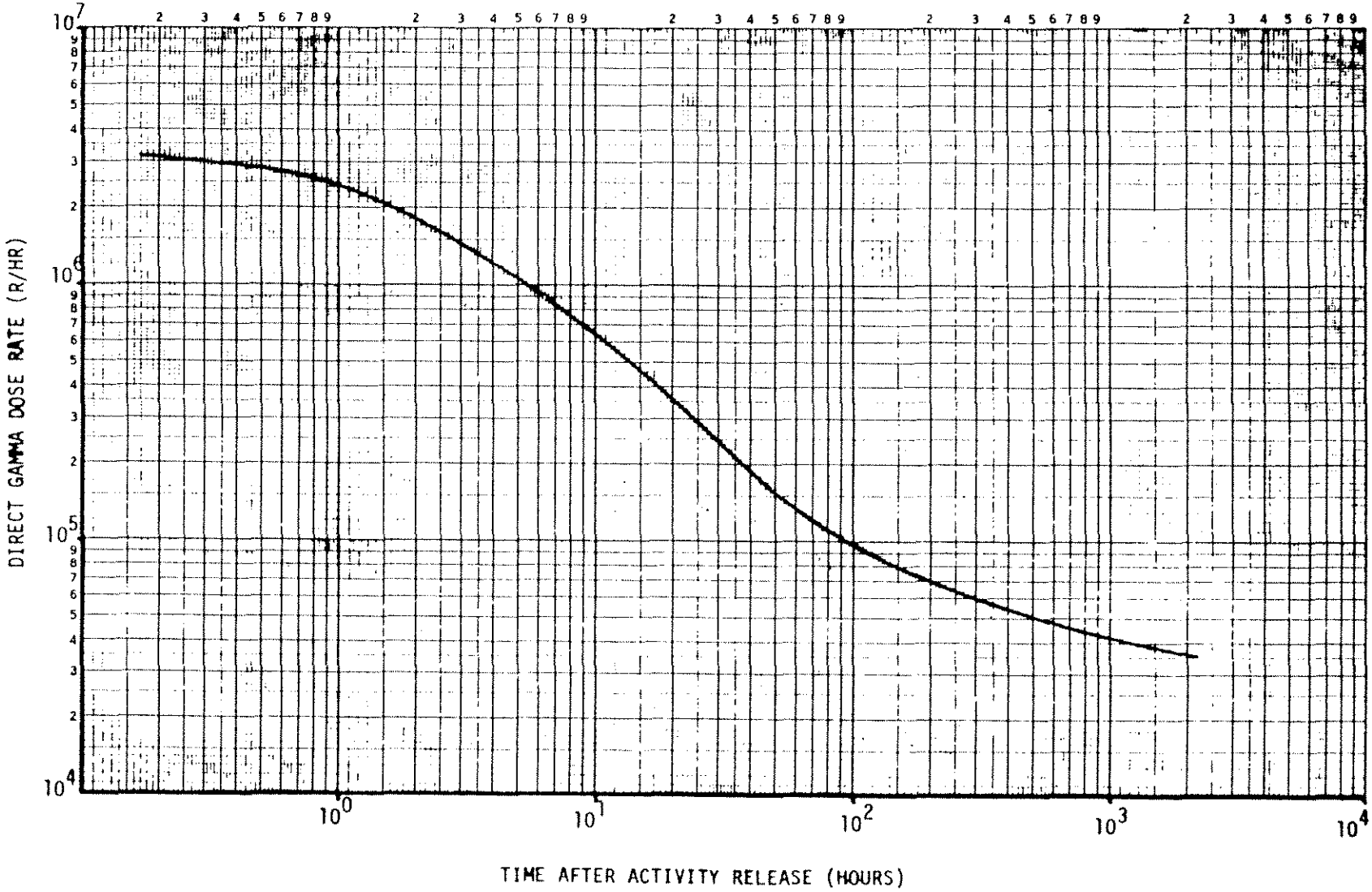
INDIAN POINT 3	FSAR UPDATE
POST-ACCIDENT CONTAINMENT MATERIALS DESIGN CONDITIONS	
REV 0 JULY, 1982	FIGURE NO 6D-2



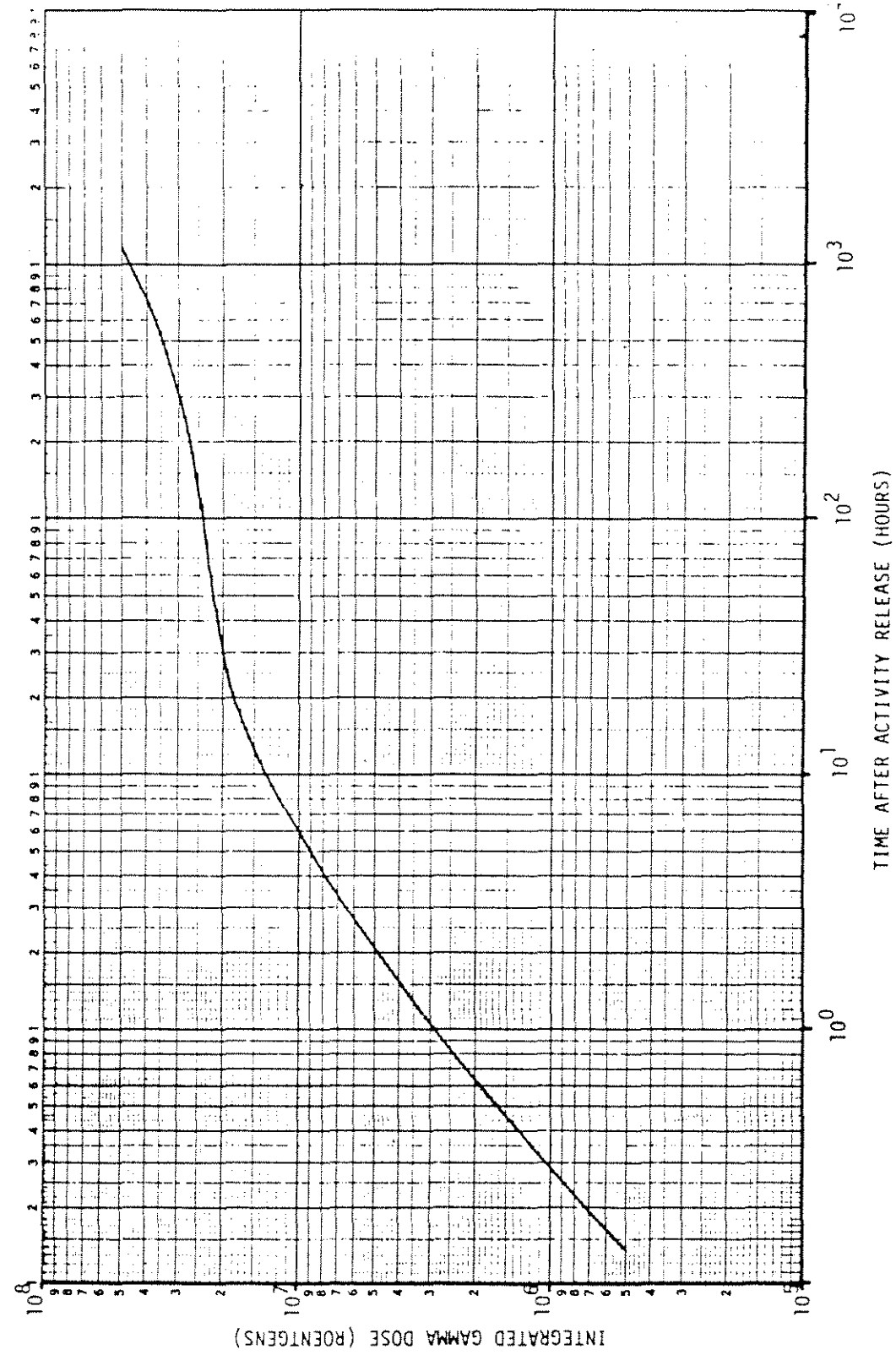
INDIAN POINT 3 FSAR UPDATE

POST-ACCIDENT CORE MATERIALS DESIGN CONDITIONS

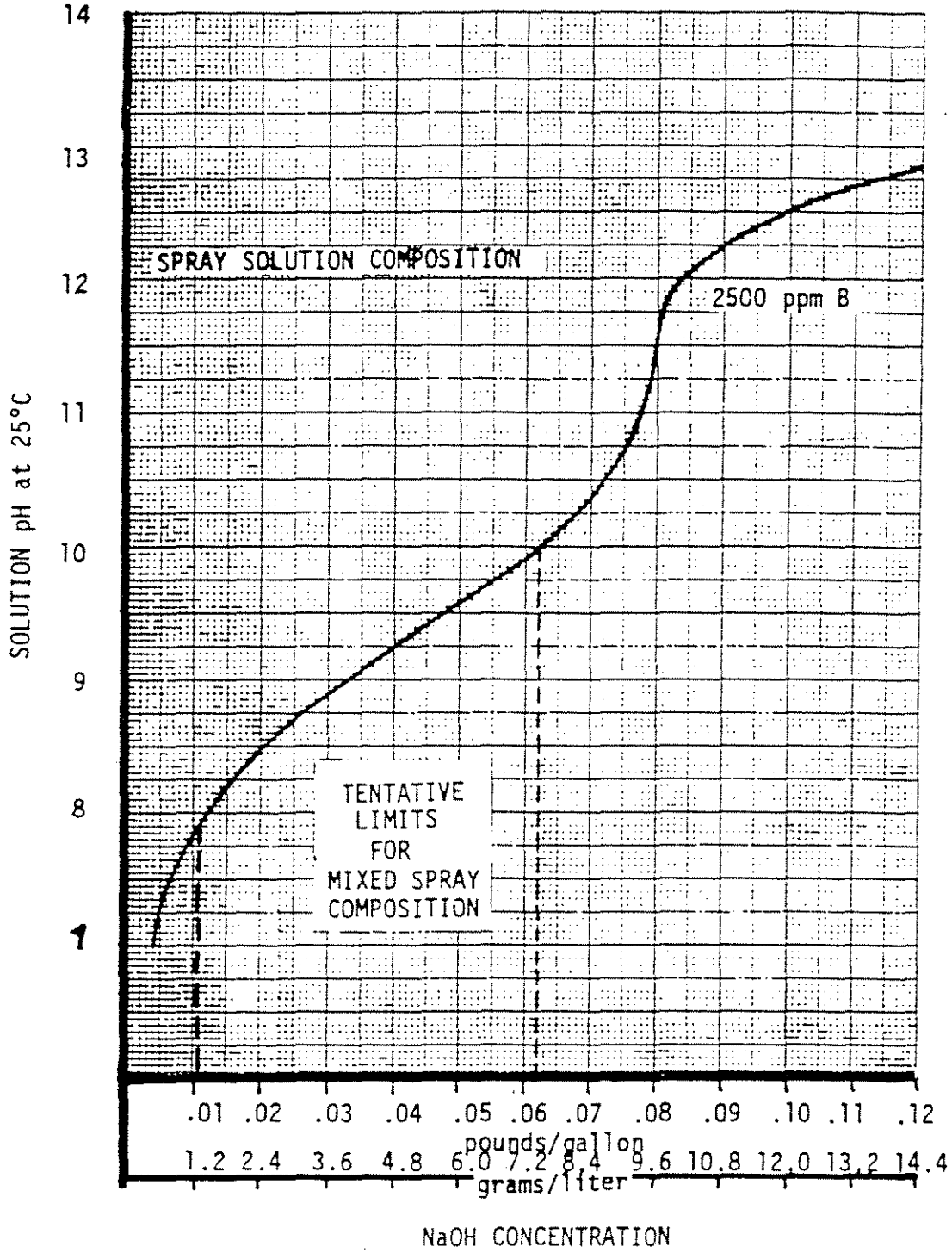
REV. 0 | JULY, 1982 | FIGURE NO. 6D-3



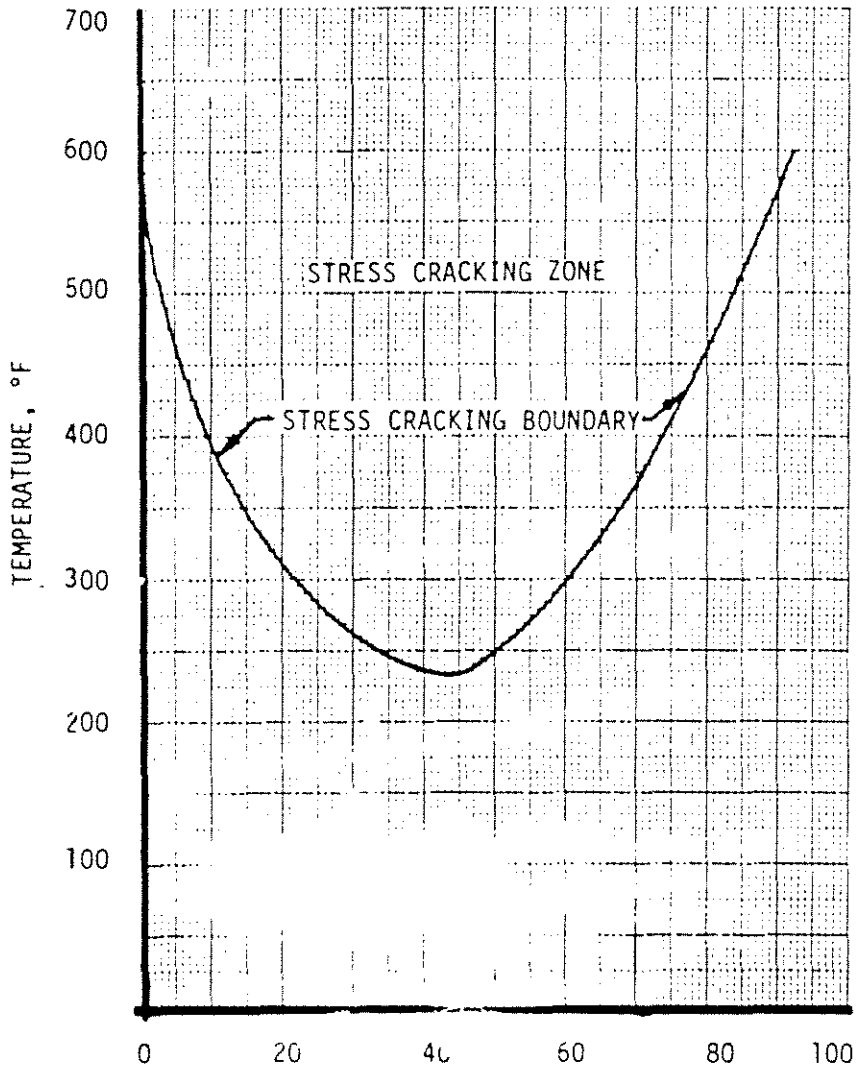
INDIAN POINT 3	FSAR UPDATE
CONTAINMENT ATMOSPHERE DIRECT GAMMA DOSE LEVEL	
REV. 0	JULY, 1982	FIGURE NO. 6D-4



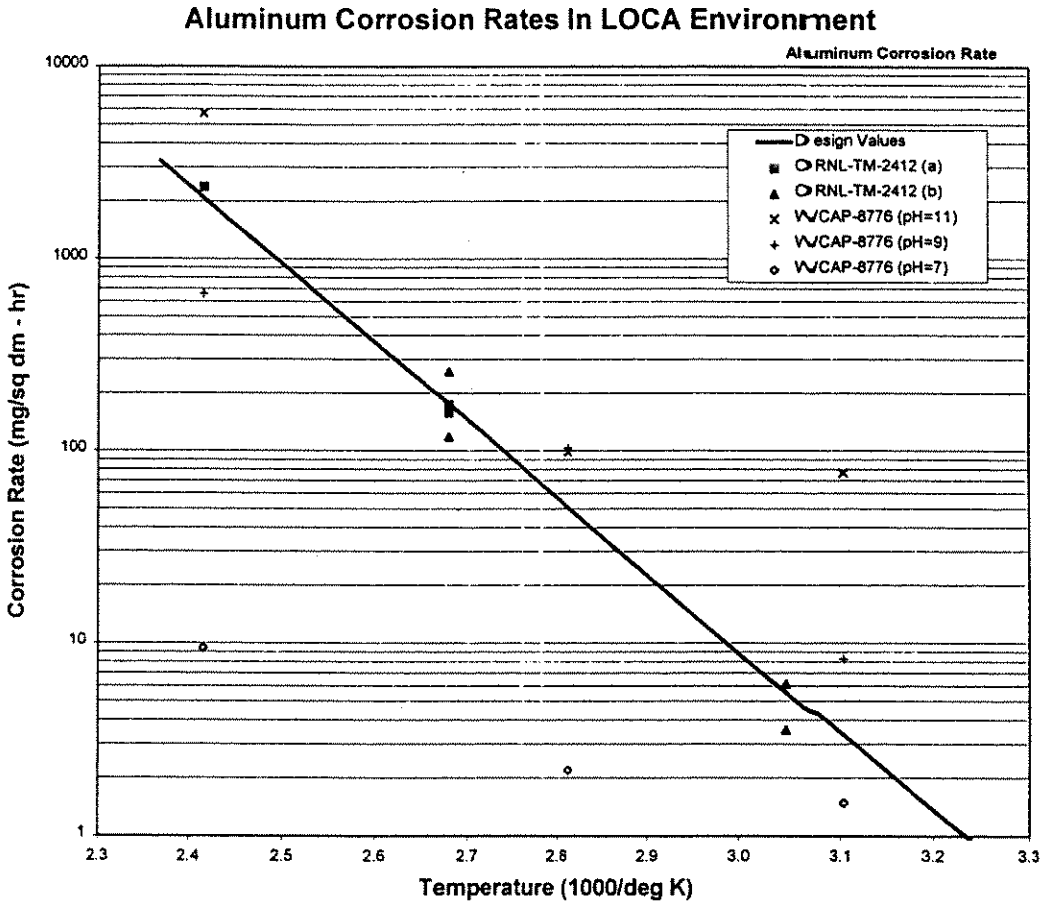
INDIAN POINT 3		FSAR UPDATE
CONTAINMENT ATMOSPHERE INTEGRATED GAMMA DOSE LEVEL		
REV. 0	JULY, 1982	FIGURE NO. 6D-5



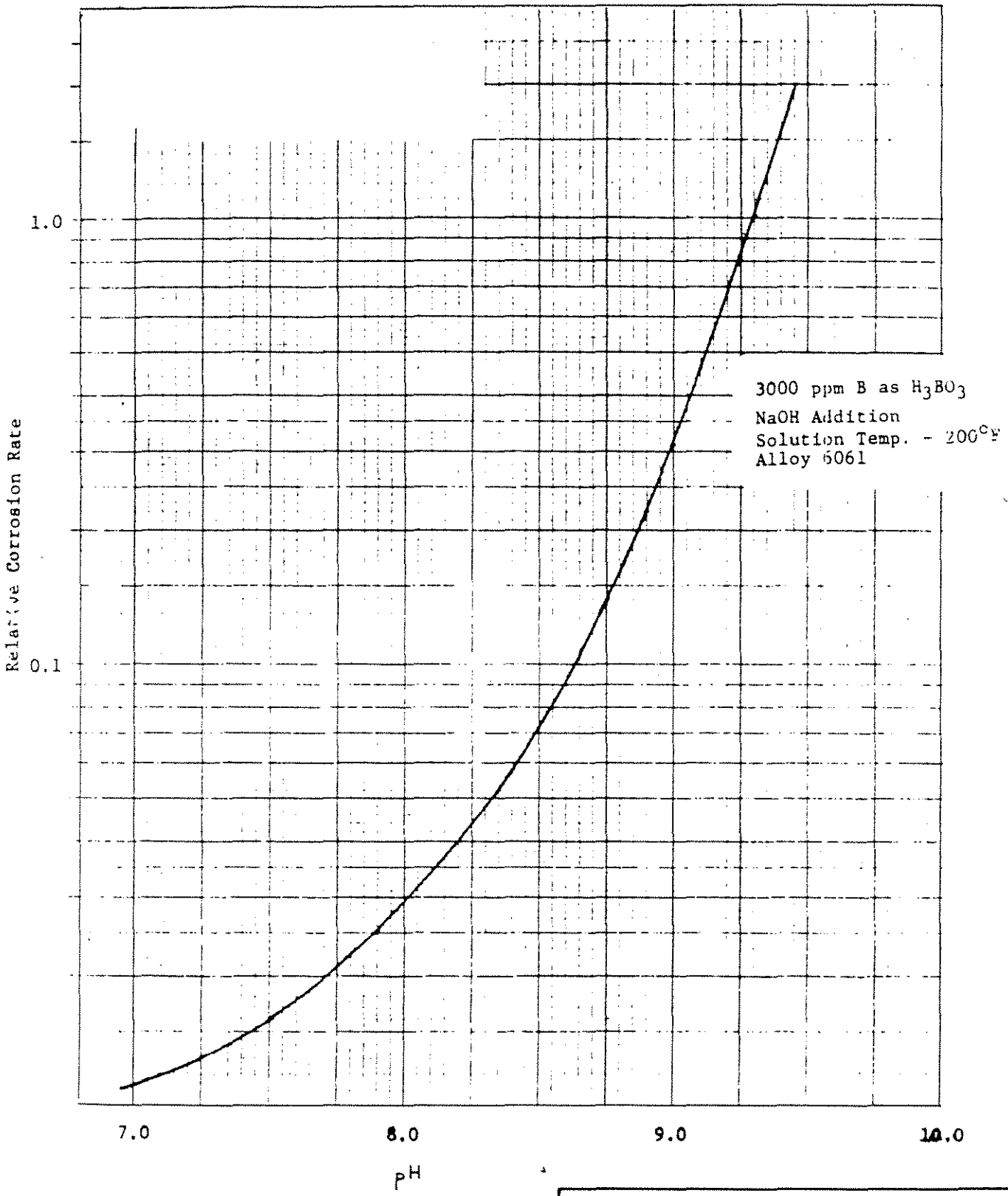
INDIAN POINT 3 FSAR UPDATE	
TITRATION CURVE FOR BORIC ACID WITH SODIUM HYDROXIDE	
REV. 1, JULY 1993	FIGURE NO. 6D-6



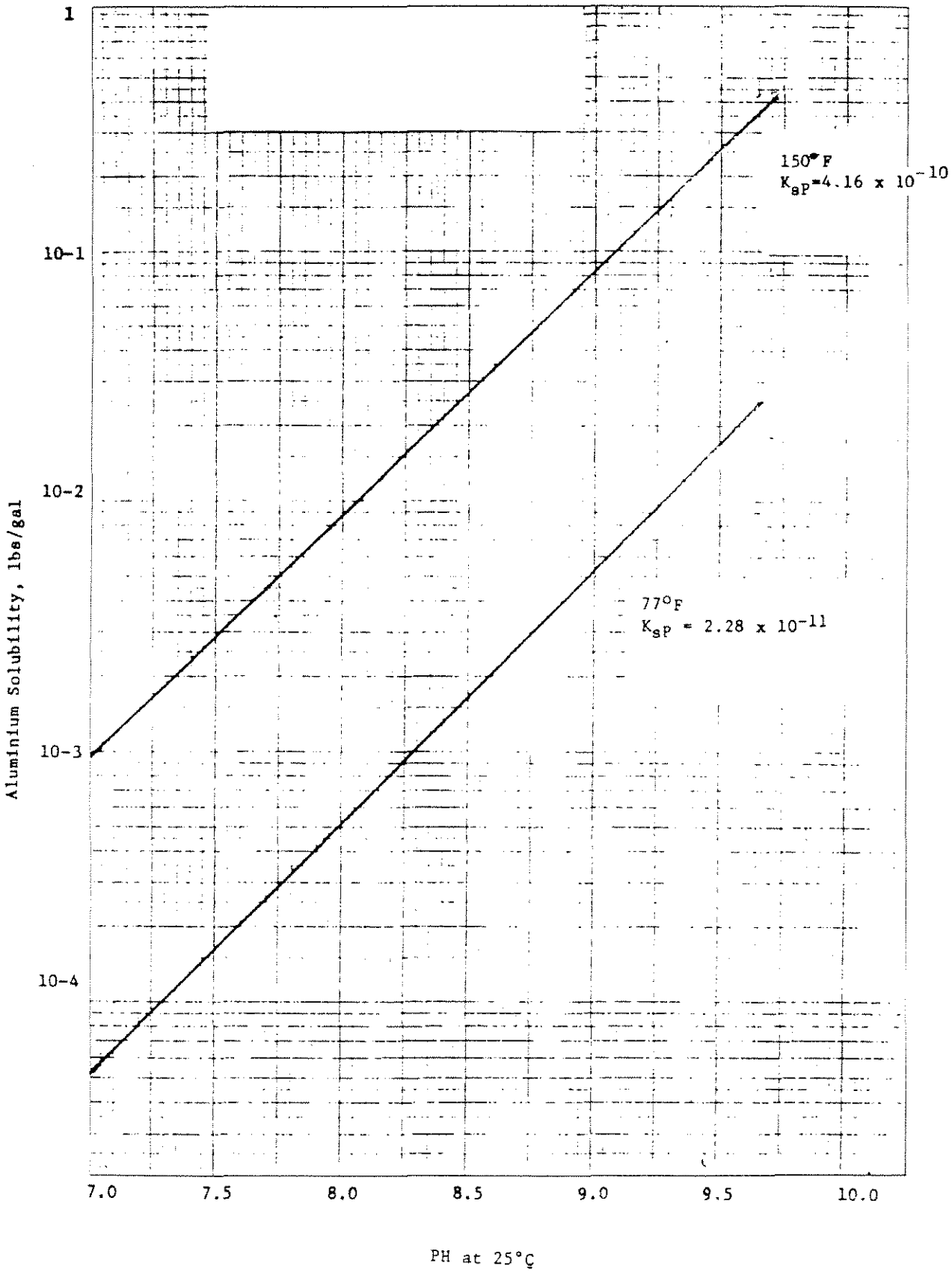
INDIAN POINT 3		FSAR UPDATE
TEMPERATURE - CONCENTRATION RELATION FOR CAUSTIC CORROSION OF AUSTENITIC STAINLESS STEEL		
REV. 0	JULY, 1982	FIGURE NO. 6D-7



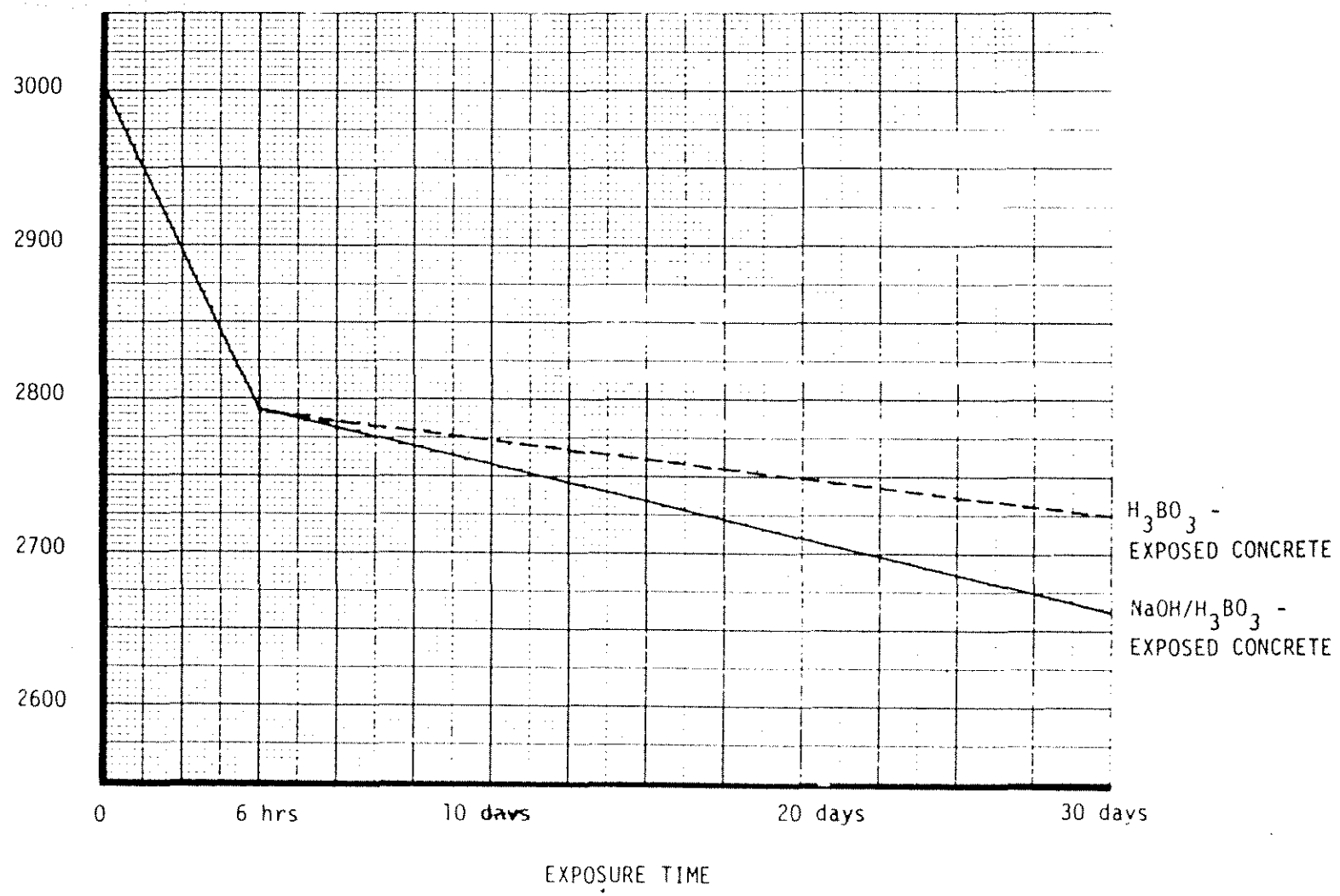
INDIAN POINT 3 FSAR UPDATE	
ALUMINUM CORROSION IN DBA ENVIROMENT	
REV. 1 NOV 2001	FIG. NO. 6D-8



INDIAN POINT 3		FSAR UPDATE
ALUMINUM CORROSION AS A FUNCTION OF PH		
REV 0	JULY, 1982	FIGURE NO. 6D-9



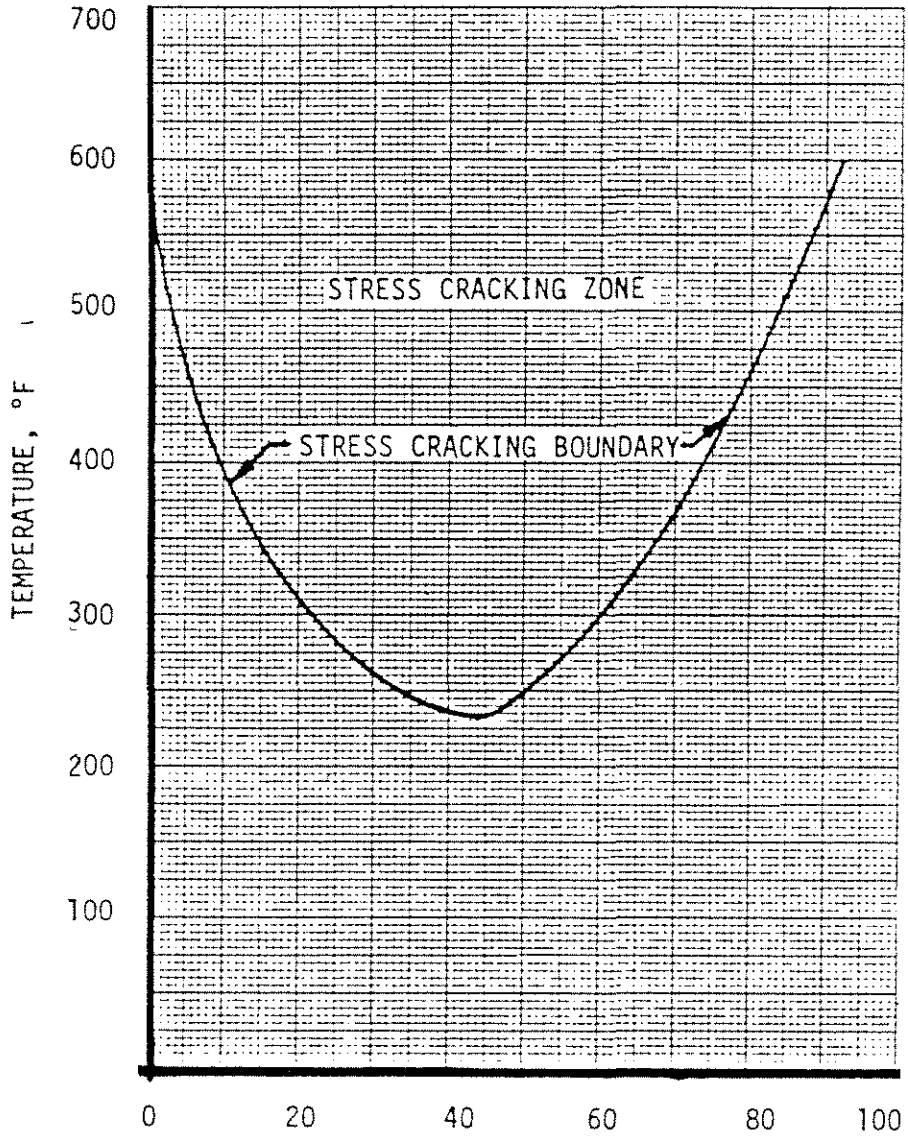
INDIAN POINT 3	FSAR UPDATE
SOLUBILITY OF ALUMINUM CORROSION PRODUCTS AS A FUNCTION OF pH AT 77°F AND 150°F	
REV 0 JULY, 1982	FIGURE NO 6D-10



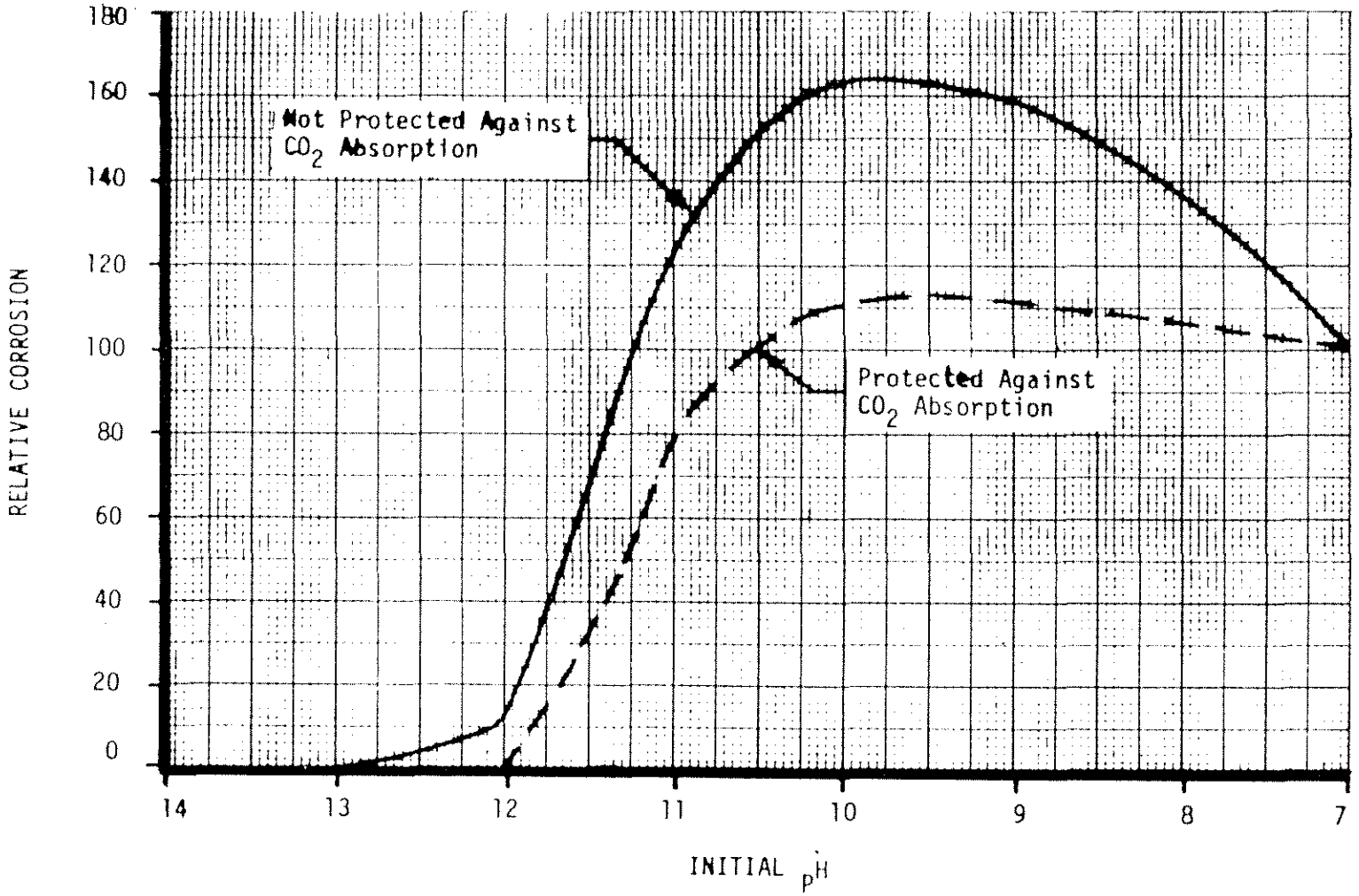
INDIAN POINT 3 FSAR UPDATE

BORON LOSS OF BORON - CONCRETE REACTION FOLLOWING A DBA

REV 0 | JULY, 1982 | FIGURE NO 6D-11



INDIAN POINT 3	FSAR UPDATE
TEMPERATURE - CONCENTRATION RELATION FOR CAUSTIC CORROSION OF AUSTENITIC STAINLESS STEEL	
REV 0	JULY, 1982 | FIGURE NO 6E-1

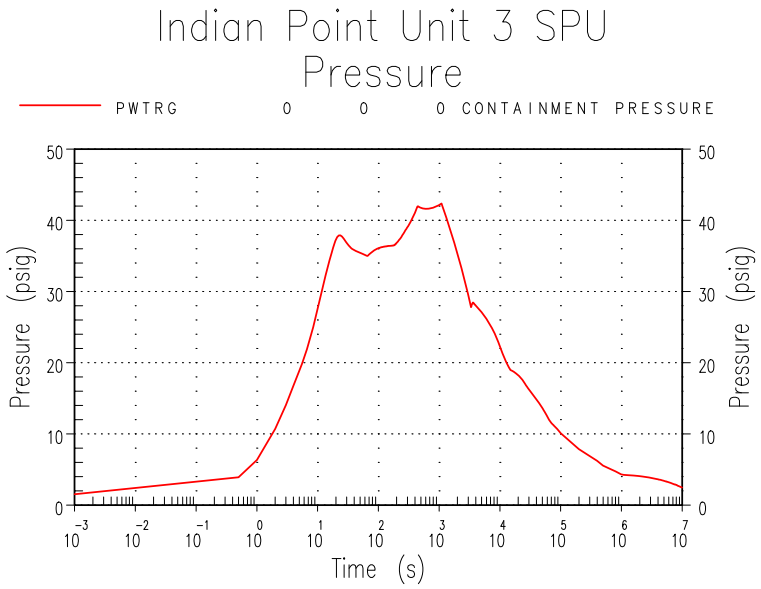


INDIAN POINT 3 FSAR UPDATE

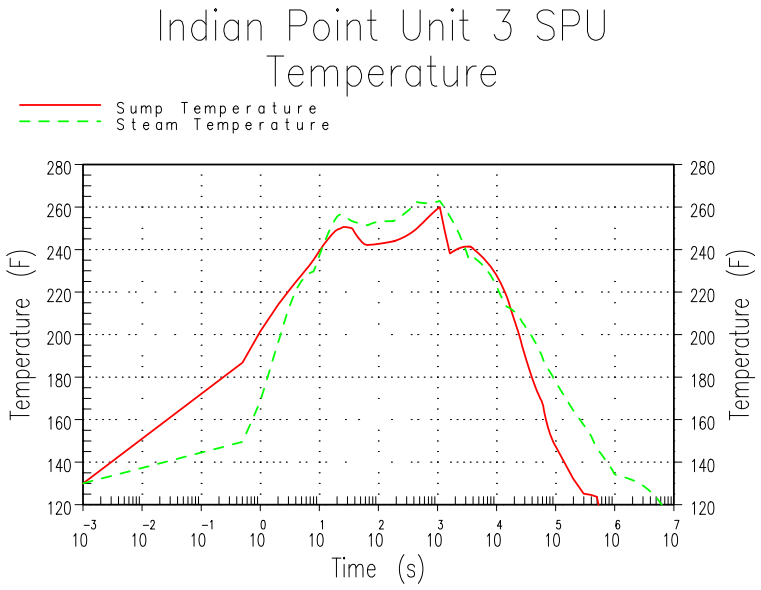
EFFECT OF CARBON DIOXIDE ON CORROSION OF IRON IN NaOH SOLUTION

REV. 0 JULY 1999 FIG 6E.10 6E-2

Figure 6F-1 Containment Pressure and Temperature for Design Basis LOCA

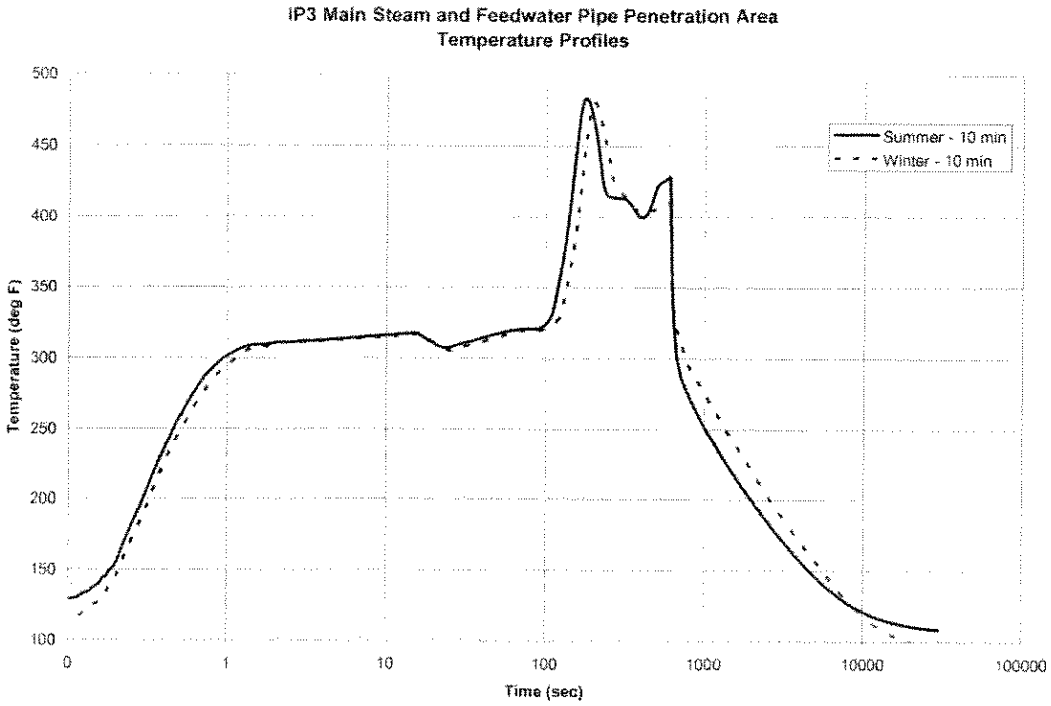


DEPS Minimum Safeguards Pressure Transient



DEPS Minimum Safeguards Temperature Transient

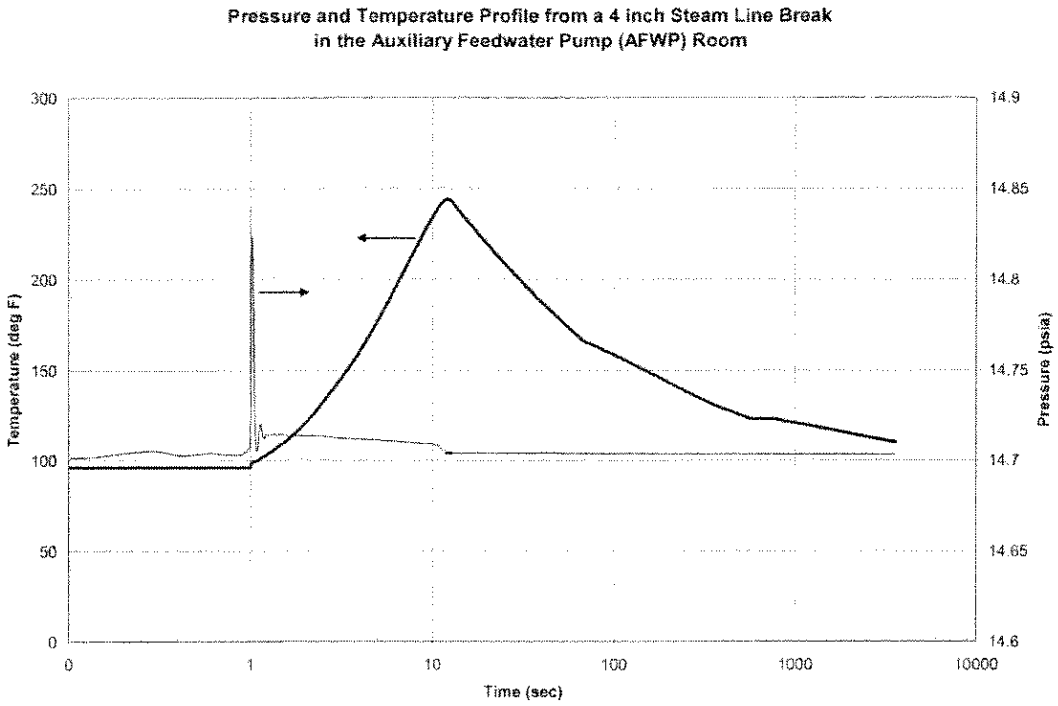
Figure 6F-4



Notes:

1. The winter case was generated with the 1.2 ft^2 header break at 102% initial power.
2. The summer case was generated with the 1.4 ft^2 header break at 102% initial power.

Figure 6F-9B


Pressure and Temperature Profile from a 4 inch Steam Line Break
in the Auxiliary Feedwater Pump (AFWP) Room
Temperature (deg F)
Pressure (psia)
Time (sec)
300
250
200
150
100
50
0
14.9
14.85
14.8
14.75
14.7
14.65
14.6
0
1
10
100
1000
10000