





APPENDIX 19

BROWNS FERRY NUCLEAR PLANT
FINAL SAFETY ANALYSIS REPORT

PLANT TO OFFSITE
COMMUNICATIONS
FIGURE 10.18-2

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Figure 10.18-3

Deleted by Amendment 9.

POSTULATED CONDITIONS	OFFSITE COMMUNICATIONS									ONSITE COMMUNICATIONS								
	NRC ENS PHONES	MICROWAVE RADIO (MW)	COMMERCIAL TELEPHONE LINES	TPS RADIO	EMERGENCY RADIO SYSTEM	NSS SHERIFF'S RADIO	OFFSITE RADIO PAGING	NSS1, NSS2 RADIO (NSS2 BACKUP)	ONSITE RADIO PAGING	CELL RADIO (NOTE 5)	INPLANT RADIO SYSTEM (FZ 1)	INPLANT RADIO SYSTEM (F4)	TELEPHONE SYSTEM (NODES 1 2 & 3)	LOUDSPEAKER PAGING SYSTEM	SOUND- POWERED SYSTEM (DCCSPS)	EVACUATION ALARM SYSTEM	CODE CALL (FIRE & MEDICAL EMERGENCY)	
FIRE IN COMMUNICATION ROOM (TOTAL DESTRUCTION)						X	X	X	X	X	X	X	NODES 2 & 3 SURVIVE	X				
FIRE IN CABLE TUNNEL TO SWITCHYARD		X			X	X	X	X	X		X	X	PARTIAL	X	X	PARTIAL	PARTIAL	
FIRE IN CONTROL ROOM	PARTIAL	PARTIAL		PARTIAL	X	X	X	X	X	X	X	X	PARTIAL	PARTIAL	PARTIAL	PARTIAL	PARTIAL	
LOSS OF ALL AC POWER	X	X		X	X			NSS2 SURVIVE		X	X	X	X		X			
DESIGN BASIS ACCIDENT	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
SAFE SHUTDOWN EARTHQUAKE								MOBILES & PORTABLES SURVIVE		SEE NOTE 4	SEE NOTE 3	SEE NOTE 3						
LOSS OF OFFSITE POWER	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		
PROBABLE MAXIMUM FLOOD		X			X	X	X	X	PARTIAL	X	PARTIAL	X	PARTIAL	X	PARTIAL	PARTIAL		
TORNADO (MICROWAVE ANTENNAS & REFLECTORS DESTROYED)	X			X		X	X	X	X	SEE NOTE 4	X	X	X LOSS OF MW TRUNKS	X	X	X	X	
FIRE IN TURBINE BUILDING (TOTAL DESTRUCTION)	X			X						SEE NOTE 4		X	PARTIAL	PARTIAL	X	PARTIAL	PARTIAL	
FIRE IN REACTOR BUILDING FIRE ZONE 2-4	X	X		X	X	X	X	X	X	X	X		PARTIAL	X	PARTIAL	PARTIAL	PARTIAL	

NOTES:

1. X IN BLOCK INDICATES SURVIVAL OF THE SERVICE DURING THE POSTULATED CONDITION.
2. PARTIAL IN BLOCK INDICATES PARTIAL AVAILABILITY DUE TO THE LOSS OF THAT PORTION OF THE SYSTEM WHERE THE CONDITION EXISTS. THE SURVIVING EQUIPMENT WILL REMAIN FUNCTIONAL.
3. MOST PORTABLE UNITS WILL SURVIVE AND WILL OPERATE IN SIMPLEX MODE.
4. CELL RADIO WILL OPERATE RADIO TO RADIO ON 900MHZ BAND ONLY.
5. AVAILABLE BUT NOT CREDITED.

AMENDMENT 22

BROWNS FERRY NUCLEAR PLANT
FINAL SAFETY ANALYSIS REPORT

COMMUNICATION EQUIPMENT
AVAILABILITY TABLE

FIGURE 10.18-4

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Figures 10.18-5a through 10.18-5b

Deleted by Amendment 9.

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Figure 10.18-6

Deleted by Amendment 9.