



- NOTES:
- FOR GENERAL NOTES SEE 47W230-1
 - COOL SUPPLY TO THE DIESEL HEAT EXCHANGERS AND AIR COMPRESSOR COOLERS IS AUTOMATICALLY ISOLATED ON LOW PRESSURE IN THE DIESEL HEADERS BY CLOSING THE PRESSURE CONTROL VALVE. THESE LINES ARE NOT REQUIRED FOR SAFE SHUT DOWN UNDER AN EVENT, AND ARE NOT INCLUDED WITHIN THE APPROPRIATE BOUNDARIES.
 - THE NON-REQUIRED LOADS WHICH ARE NORMALLY ISOLATED FROM THE ECCS SYSTEM INCLUDE THE CONTROL BAY CHILLERS, OTHER NON-REQUIRED LOADS AND THE HIGH ANALYTICAL PUMP AND COOL SUPPLY FROM FROM ANALYZER. THE FLOW TO THESE LOADS IS NOT AUTOMATICALLY ISOLATED. HOWEVER, THE TWO DIESEL PUMPS WITH A COMBINED CAPACITY OF 500 GPM CAN AUTOMATICALLY MEET THE REQUIREMENTS OF ALL SAFE SHUTDOWN LOADS AS WELL AS OTHER LOADS WHICH ARE NOT AUTOMATICALLY ISOLATED FROM THE DIESEL HEADERS. THESE NON-REQUIRED LOADS ARE NOT INCLUDED WITHIN THE APPROPRIATE BOUNDARIES.
 - HYPOCHLORITE INJECTION LINE IS NOT INCLUDED WITHIN THE APPROPRIATE BOUNDARIES DUE TO ITS SMALL SIZE AND ANY LOSS OF WATER IS NEGLIGIBLE.
 - VALVE NUMBERS COMMON TO ALL UNITS ARE PREFIXED BY 0-CC. ALL VALVE NUMBERS FOR UNIT 1 ARE PREFIXED BY 1-CC, 2-CC OR 3-CC DEPENDING ON THE UNIT.
 - REACTOR PUMPS A, B, C, D ARE NOT REQUIRED TO SUPPORT ECCS SYSTEM FOR APPROPRIATE UNIT.
 - MISC EQUIPMENT AND ASSOCIATED PIPING AND COMPONENTS FOR SHUTDOWN LOADED HEADERS AND CONTROL BAY ARE NOT REQUIRED FOR SAFE SHUTDOWN. (SEE JUSTIFICATION CALCULATIONS, ISSS NO. 47W230-100).
 - SLUDGE TRAPS ARE DELETED FOR MERRILL 100 P-40-800000-000.

NO. 47W230-7		REV. 1	DATE 11/1/57	BY J. H. BROWN	CHKD. J. H. BROWN	APP'D. J. H. BROWN	ISS'D. J. H. BROWN
SCALE: EXCEPT AS NOTED							
POWERHOUSE UNITS 1, 2, & 3							
APPENDIX 'H' SYSTEM BOUNDARIES EMER. EQUIP. COOLING WATER							
BROWNS FERRY NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY OFFICE OF ENGINEERING							
DESIGN	DISCIPLINE	ATTITUDE	ENGINEERING	APPROVAL			
DESIGNED BY J. H. Brown	CHECKED BY J. H. Brown	DATE 11/1/57	BY J. H. Brown	APPROVED BY J. H. Brown			
INDUSTRIAL	DATE 11-1-57	47W230-7		RE			

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PHOTOGRAPHED
BROWNS FERRY
AUG 14 1987

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APERTURE
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PDR RIDS

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