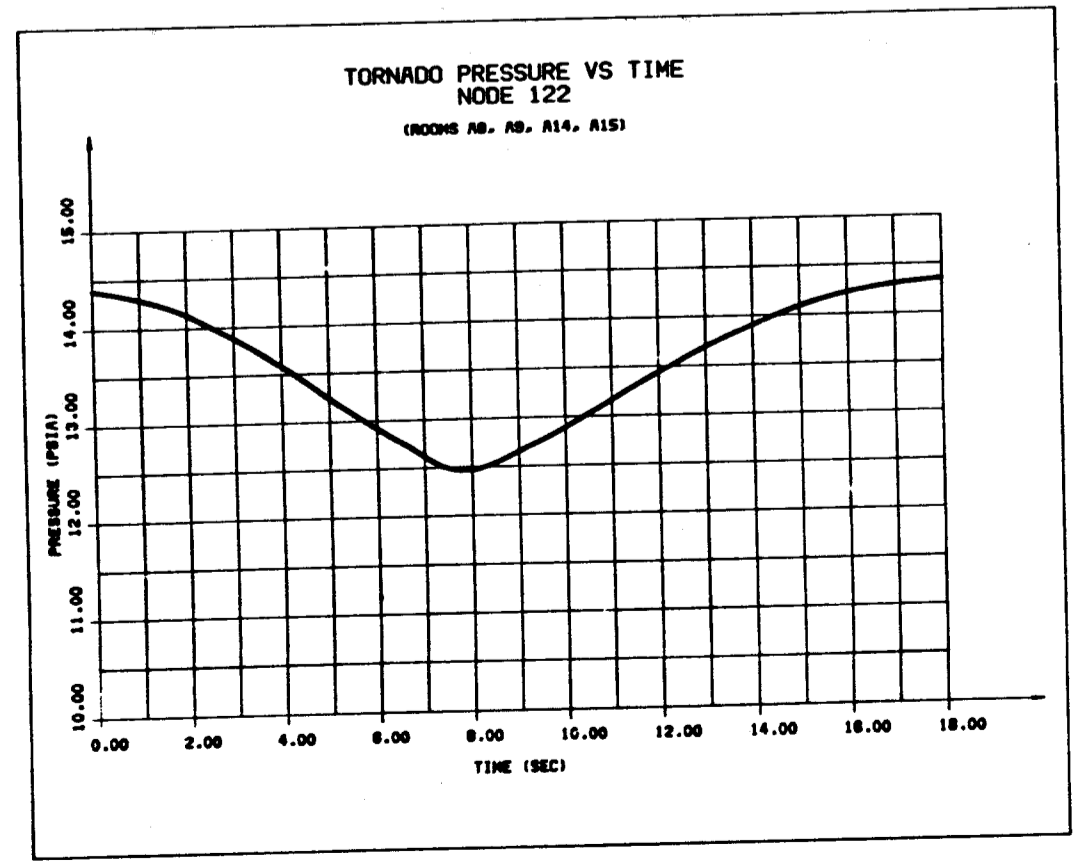


PLAN - EL 676.0

| BUILDING LOCATION AND ROOM NUMBER | OPERATIONAL CONDITION (NOTE 1) | TEMPERATURE (°F) | RELATIVE HUMIDITY (%) | PRESSURE (PSIA) (NOTE 2) | TOTAL 40 YEAR INTEGRATED DOSE (RADS) (NOTE 11) | INTEGRATED ACCIDENT DOSE (RADS) (NOTE 11) | AREA TYPE (NOTE 12) | FLOODING |
|---|--------------------------------|-----------------------------|-----------------------|-------------------------------|--|---|---------------------|----------|
| AUXILIARY BUILDING CONTAINMENT SPRAY PUMP ROOMS 1A-A, 2A-A, 1B-B, 2B-B ROOM NOS. AB, AS, A14, A15 EL. 676.0 | 1 | Avg 80 MAX 104 MIN 60 | 55 50 | ATM (-) ATM (-) ATM (-) | 1x10 ⁶ (NOTE 15) | NA NA NA | C | NOTE 16 |
| | 2 | MAX 110 MIN 50 (NOTE 8) | 50 10 (NOTE 10) | ATM (-) ATM (-) | NA NA | NA NA | | |
| | 3 | 110 (NOTE 25) | NA | NA | NA | 1x10 ⁷ | | |
| | 4 | NA | NA | NA | NA | NA | | |
| | 5 | NA | NA | NOTE 122, NOTE 4 | NA | NA | | |



- GENERAL NOTES: FIGURE AND NOTE NUMBERS CORRESPOND TO THOSE OF REFERENCE 1. ALL FIGURES AND NOTES RELATING TO THE AREAS ARE GIVEN.
- NOTES:
- OPERATIONAL CONDITION DEFINITIONS:
 - NORMAL
 - LOCATED INSIDE PRIMARY CONTAINMENT (WORST CASE SMALL BREAK FOR TEMPERATURE, LARGE BREAK FOR PRESSURE)
 - WELL SERVED CONTAINMENT (SMALL BREAK)
 - TORNADO (SMALL PRESSURE DROP OF 3 PSI)
 - IMPROVED CONTAINMENT SPRAY INITIATION - SEE NOTES 19, 22
 - THE NORMAL PRESSURE RANGE INSIDE PRIMARY CONTAINMENT AND THE INSTRUMENTS WILL NOT EXCEED THIS RANGE, ANY PRESSURE OUTSIDE THIS RANGE ARE THE RESULT OF AN ACCIDENT CONDITION. SEE OPERATIONAL CONDITION 3.
 - PRIMARY CONTAINMENT IS NOT AFFECTED BY DEPRESSURIZATION DURING A TORNADO CONDITION. THE PROBABILITY OF A TORNADO IS 3.36X10⁻⁶ OR APPROXIMATELY ONCE EVERY 28,000 YEARS.
 - THESE MAXIMUM AND MINIMUM TEMPERATURES COULD OCCUR AS A RESULT OF OUTSIDE TEMPERATURE EXCURSIONS TEMPORARILY GREATER THAN DESIGN HEAT LOADS OF DESIGN ENVIRONMENTAL CONTROL SYSTEM OPERATION. THIS CONDITION COULD EXIST FOR UP TO EIGHT HOURS PER EXCURSION AND WILL OCCUR LESS THAN 1% OF THE PLANT LIFE.
 - THESE MAXIMUM AND MINIMUM ABNORMAL HUMIDITIES COULD EXIST FOR UP TO 8 HRS PER EXCURSION AND WILL OCCUR LESS THAN 1% OF THE PLANT LIFE.
 - ALL 40 YR INTEGRATED DOSES SHOWN ARE UPPER LIMITS FOR THE DESIGN OF THE ALPHA AND BETA CONTRIBUTIONS UNLESS OTHERS ARE INDICATED. RADIATION DOSE INFORMATION WAS TAKEN FROM THE PEAR SECTION 3.11.2, FIGURES 12.3-1 THRU 12.3-7.
 - A LOCAL TOTAL RADIATION DOSE IS OBTAINED BY ADDING THE 40 YR INTEGRATED AND INTEGRATED ACCIDENT DOSES FOR SPACES WHICH HAVE 40 YR INTEGRATED DOSES > 75010³ USE 1E10³ FROM PEAR AREAS WHICH HAVE 40 YR INTEGRATED DOSES < 1.75X10⁶ RADS AND INTEGRATED ACCIDENT DOSES < 1X10⁷ RADS.
 - AREAS LISTED ARE DIVIDED INTO THREE CATEGORIES DEFINED AS FOLLOWS:
 - SPACES THAT ARE SERVED BY SAFETY-RELATED REDUNDANT ENVIRONMENTAL CONTROL SYSTEMS BACKED BY ONSITE EMERGENCY ELECTRICAL POWER.
 - SPACES NOT MAINTAINED BY REDUNDANT ENVIRONMENTAL CONTROL SYSTEMS BACKED BY ONSITE EMERGENCY ELECTRICAL POWER.
 - SPACES SERVED BY NON SAFETY-RELATED ENVIRONMENTAL CONTROL SYSTEMS DURING NORMAL CONDITIONS AND REDUNDANT SAFETY-RELATED SYSTEMS DURING ACCIDENT CONDITIONS.
 - THE MAXIMUM 40-YEAR DOSE IN INDIVIDUALLY COOLED ROOMS IS 10⁶ RADS; HOWEVER, FOR SPECIFIC ROOMS THE RADIATION DOSE INFORMATION CAN BE DETERMINED FROM THE PEAR (SECTION 3.11.2 AND FIGURES 12.3-1 THRU 7).
 - THE COMPUTED MAXIMUM FLOOD LEVEL OF 740.3 FT WILL CAUSE FLOODING TO ELEVATION 738.8 FT IN THE AUXILIARY BUILDING. ALL EQUIPMENT REQUIRED TO MAINTAIN PLANT SAFETY DURING THIS CONDITION AND FOR 100 DAYS AFTER THE BEGINNING OF THE FLOOD SHOULD BE EITHER DESIGNED TO OPERATE SUBMERGED, LOCATED ABOVE THE MAXIMUM FLOOD LEVEL, OR OTHERWISE PROTECTED.
 - THE DURATION OF THIS CONDITION SHOULD BE CONSIDERED TO EXIST FOR UP TO 30 DAYS.
 - NA INDICATES NOT APPLICABLE FOR THIS OPERATIONAL CONDITION.

- REFERENCE:
- SUMMARY OF HARSH ENVIRONMENTAL CONDITIONS FOR SEQUOYAH AND WATTS BAR NUCLEAR PLANTS (NEB 82-0728-235).
 - SEQUOYAH AND WATTS BAR NUCLEAR PLANTS HURED-0588 ENVIRONMENTAL PROFILES (NEB-82-0201-253).

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| SCALE: NTS | | EXCEPT AS NOTED | |
| AUXILIARY BUILDING UNITS 1 & 2 | | | |
| ENVIRONMENTAL DATA ENVIRONMENT - HARSH EL 676.0 | | | |
| WATTS BAR NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY DIVISION OF ENGINEERING DESIGN | | | |
| SUBMITTED | RECORDED | APPROVED | |
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| INSPECTED AND APPROVED FOR ISSUE | | | |
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