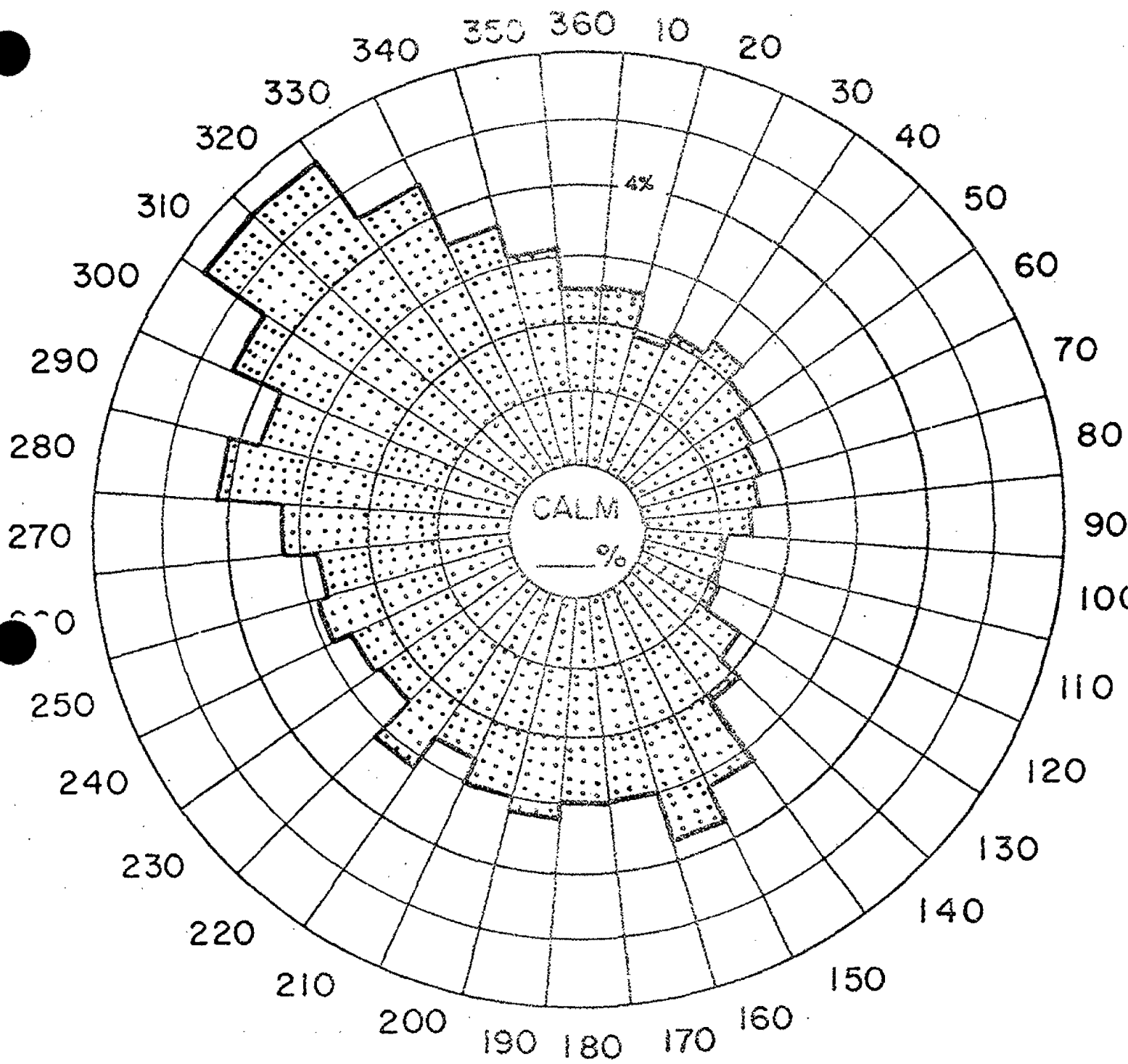


PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
SALEM NUCLEAR GENERATING STATION

Sources of Meteorological Records

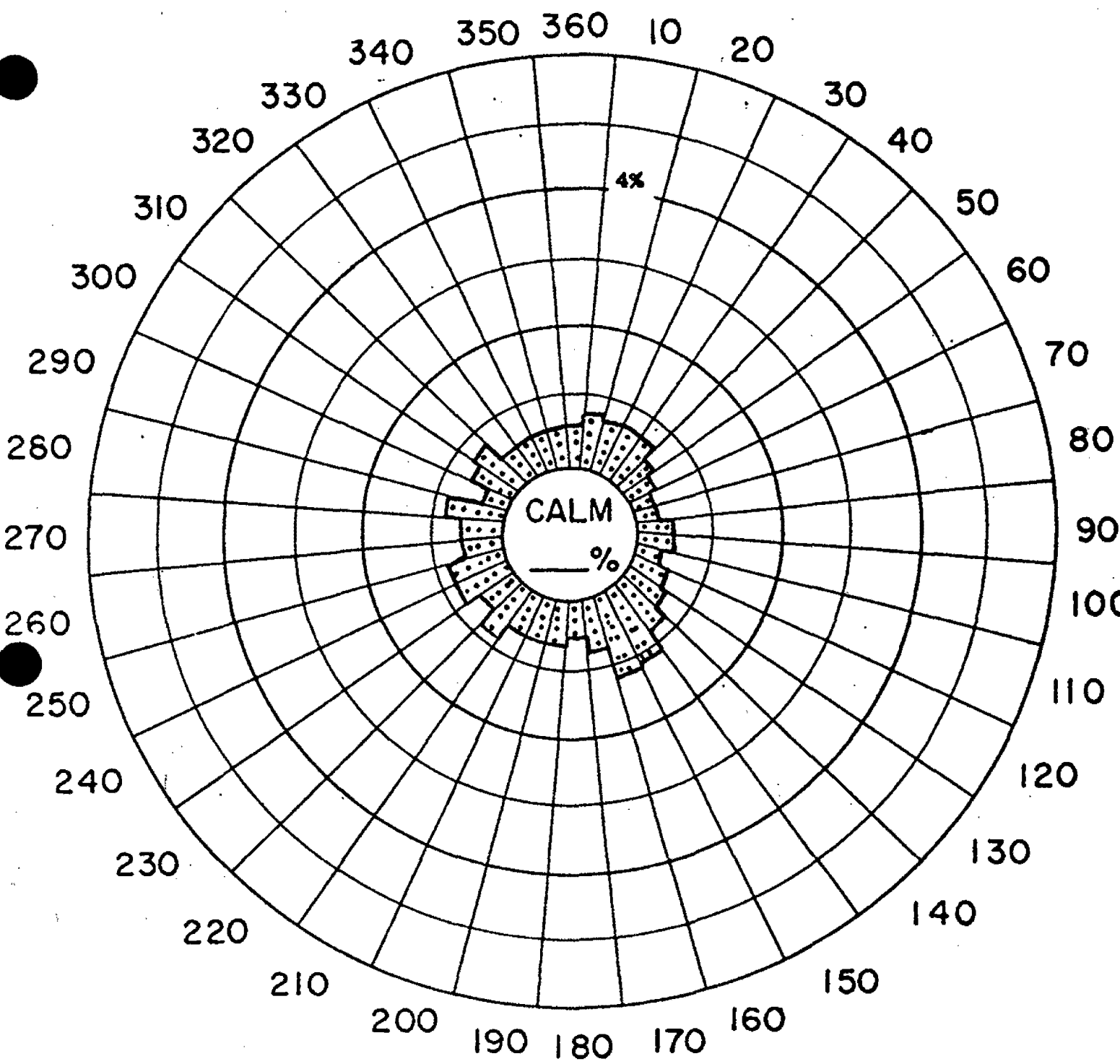
Updated FSAR

Figure 2.3-1



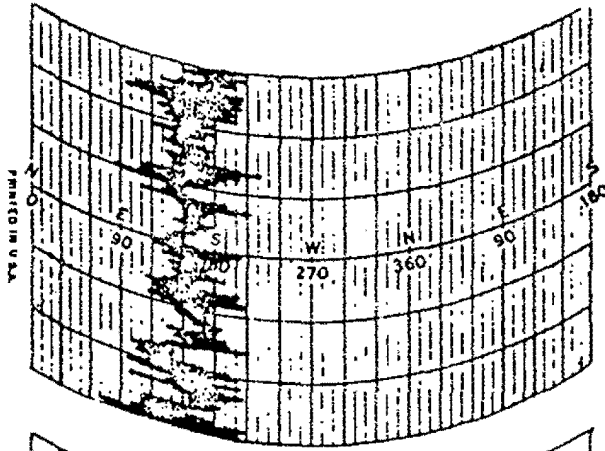
REVISION 6  
 FEBRUARY 15, 1987

PUBLIC SERVICE ELECTRIC AND GAS COMPANY SALEM NUCLEAR GENERATING STATION	Two-Year Wind Rose - All Hours	
	Updated FSAR	Figure 2.3-2



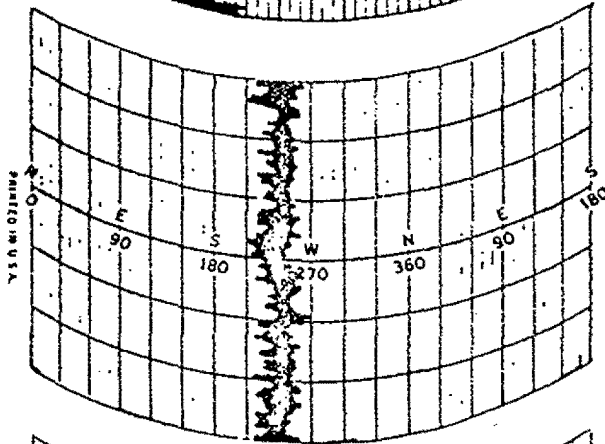
REVISION 6  
 FEBRUARY 15, 1987

PUBLIC SERVICE ELECTRIC AND GAS COMPANY SALEM NUCLEAR GENERATING STATION	Two-Year Wind Rose - Only Hours With a Stable Stability
	Updated FSAR <span style="float: right;">Figure 2.3-3</span>



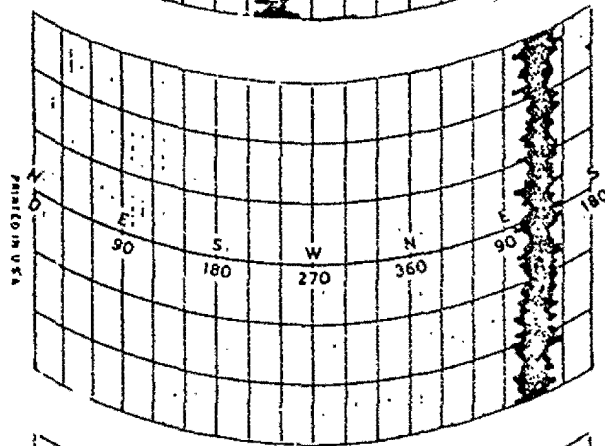
### CLASS I

LARGE, LAZY CONVECTIVE EDDIES CAUSED BY HEATING AIR CLOSE TO THE GROUND. MOST FREQUENT ON SUMMER MORNINGS WHEN WIND SPEEDS ARE LIGHT AND LAKE BREEZES ARE NOT PRESENT.



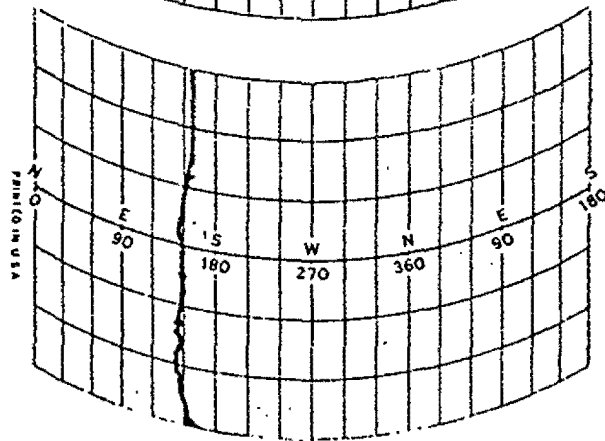
### CLASS II

TYPICAL DAYTIME TRACE HAVING A MIXTURE OF CONVECTIVE AND MECHANICAL TURBULENCE. FLUCTUATIONS ARE MORE SUBDUED WITH ON-SHORE WINDS THAN OFFSHORE.



### CLASS III

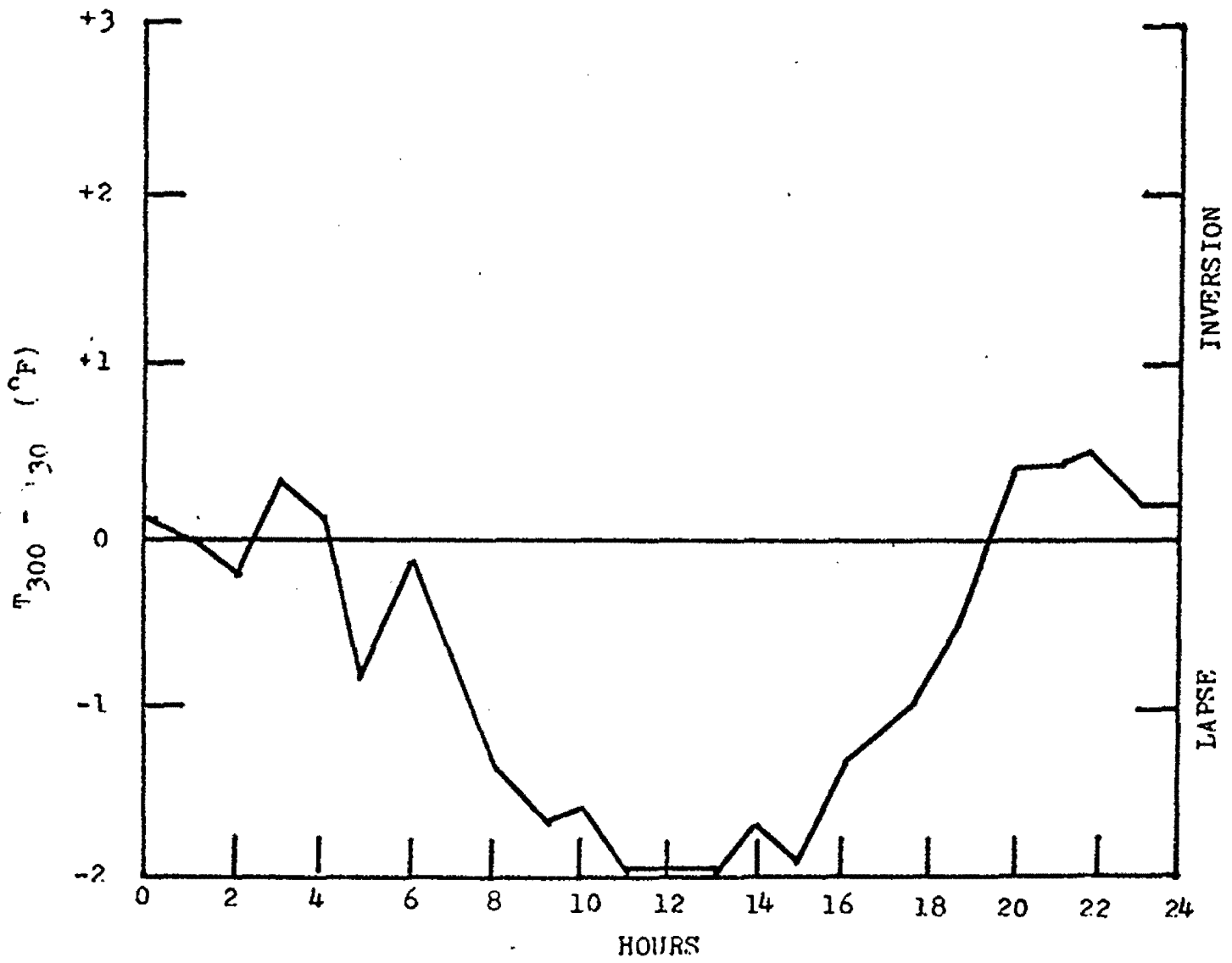
TYPICAL TURBULENCE ASSOCIATED WITH OVERCAST, STORMY, OR NOCTURNAL SITUATIONS HAVING RELATIVELY STRONG WINDS. MECHANICAL TURBULENCE PREDOMINATES.



### CLASS IV

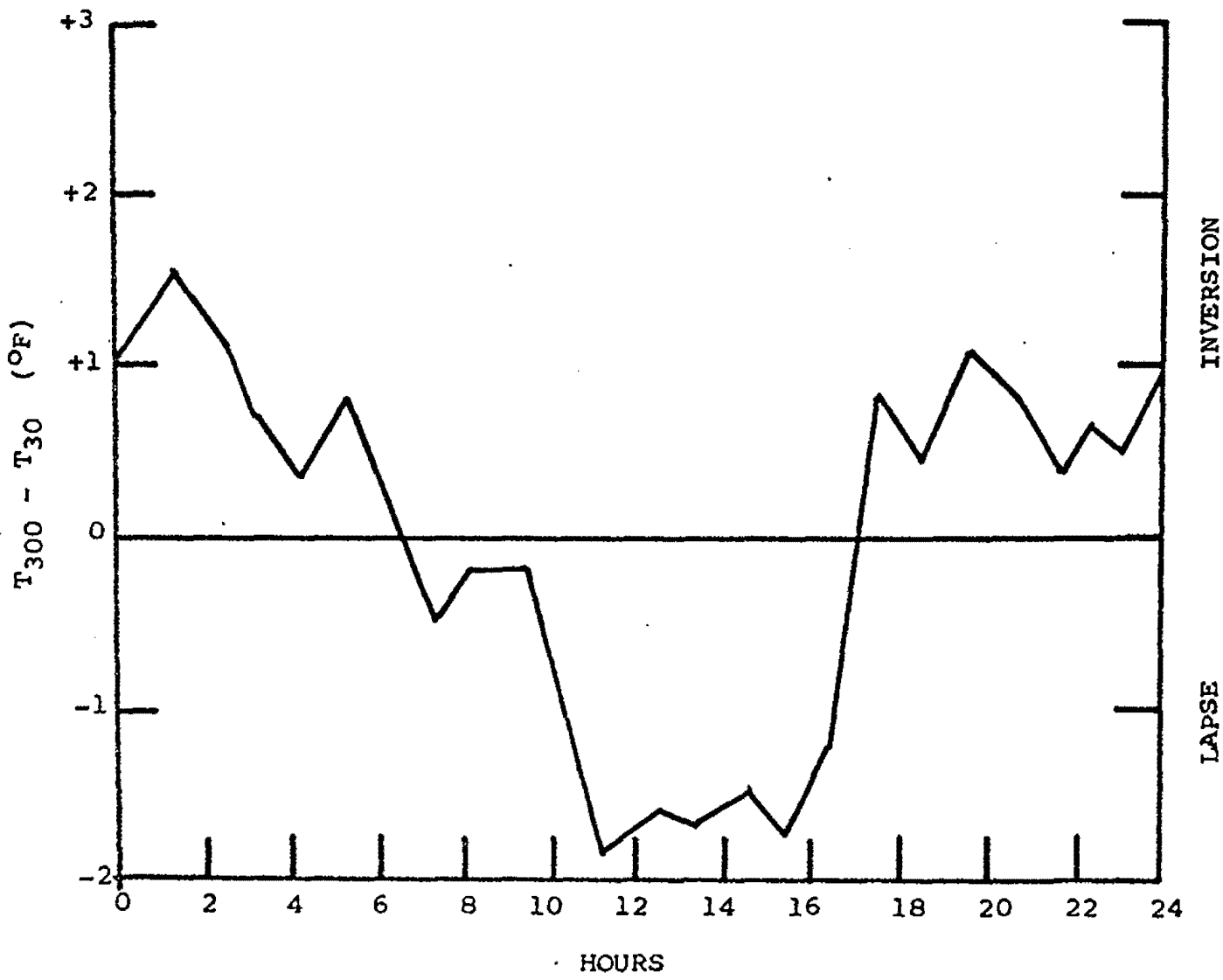
CLASSIC TEMPERATURE INVERSION CASE WITH ALMOST NO TURBULENCE EITHER NOCTURNAL OR OR ASSOCIATED WITH DAYTIME LAKE BREEZES, ESPECIALLY IN THE SPRING.

REVISION 6  
FEBRUARY 15, 1987



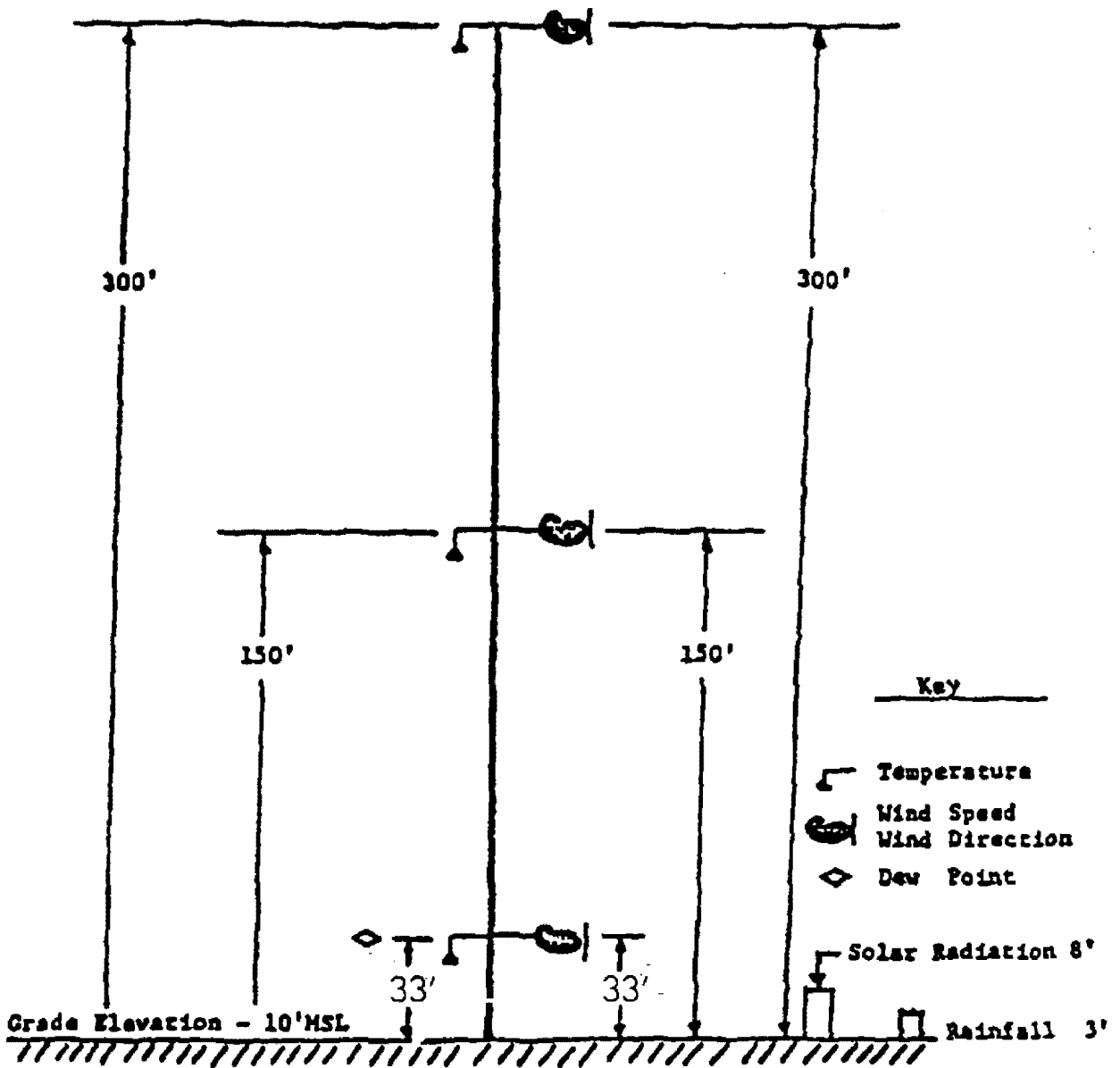
REVISION 6  
FEBRUARY 15, 1987

PUBLIC SERVICE ELECTRIC AND GAS COMPANY SALEM NUCLEAR GENERATING STATION	Diurnal Variation of Lapse Rate June 1970
	Updated FSAR <span style="float: right;">Figure 2.3-5</span>



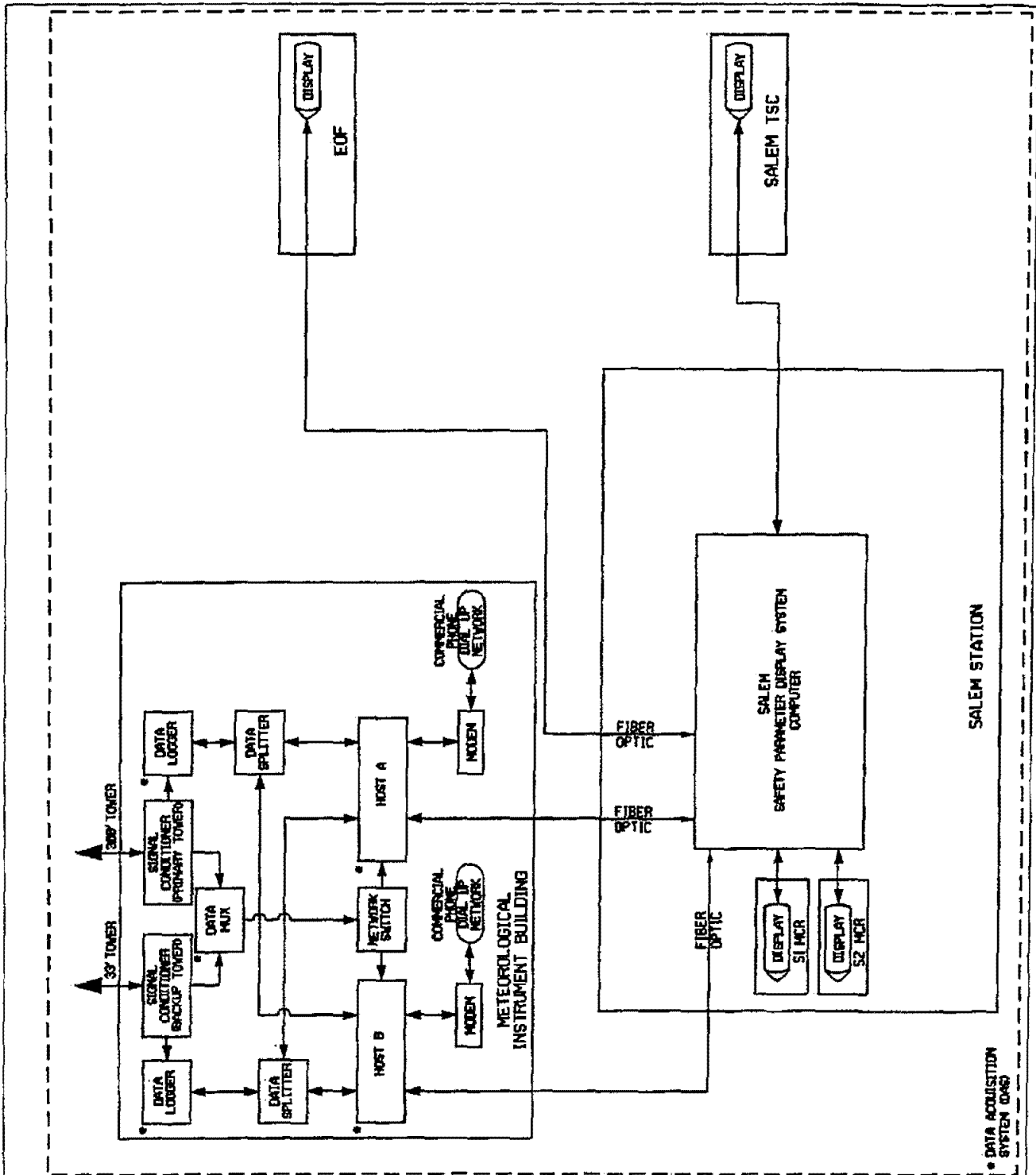
REVISION 6  
 FEBRUARY 15, 1987

PUBLIC SERVICE ELECTRIC AND GAS COMPANY SALEM NUCLEAR GENERATING STATION	Diurnal Variation of Lapse Rate December 1970	
	Updated FSAR	Figure 2.3-6



Revision 18, April 26, 2000

PSEG Nuclear, LLC SALEM NUCLEAR GENERATING STATION	Salem Nuclear Generating Station METEOROLOGICAL TOWER SCHEMATIC
	Updated FSAR <span style="float: right;">Figure 2.3-7</span>



Revision 24  
May 11, 2009

PSEG Nuclear, LLC  
SALEM NUCLEAR GENERATING STATION

Salem Nuclear Generating Station  
METEOROLOGICAL DATA  
ACQUISITION DISPLAY SYSTEM  
Updated FSAR

Figure 2.3-8