WBN2Public Resource

From: Poole, Justin
Sent: Thursday, October 21, 2010 4:29 PM
To: Brown, Leta
Cc: WBN2HearingFile Resource
Subject: FW: 10-21-10_WBN U2 FSAR Section 2.3_NRC Copy 2 of 4.pdf
Attachments: 10-21-10_WBN U2 FSAR Section 2.3_NRC Copy 2 of 4.pdf

Part 2 of the previous email.

Justin C. Poole
Project Manager
NRR/DORL/LPWB
U.S. Nuclear Regulatory Commission
(301)415-2048
email: Justin.Poole@nrc.gov

From: Boyd, Desiree L [mailto:dlboyd@tva.gov]
Sent: Thursday, October 21, 2010 4:14 PM
To: Wiebe, Joel; Poole, Justin; Raghavan, Rags; Milano, Patrick; Campbell, Stephen
Cc: Crouch, William D
Subject: 10-21-10_WBN U2 FSAR Section 2.3_NRC Copy 2 of 4.pdf

2 of 4 – FSAR Section 2.3

~*~*~*

Hearing Identifier: Watts_Bar_2_Operating_LA_Public
Email Number: 180

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Subject: FW: 10-21-10_WBN U2 FSAR Section 2.3_NRC Copy 2 of 4.pdf
Sent Date: 10/21/2010 4:29:15 PM
Received Date: 10/21/2010 4:29:20 PM
From: Poole, Justin

Created By: Justin.Poole@nrc.gov

Recipients:
"WBN2HearingFile Resource" <WBN2HearingFile.Resource@nrc.gov>
Tracking Status: None
"Brown, Leta" <Leta.Brown@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
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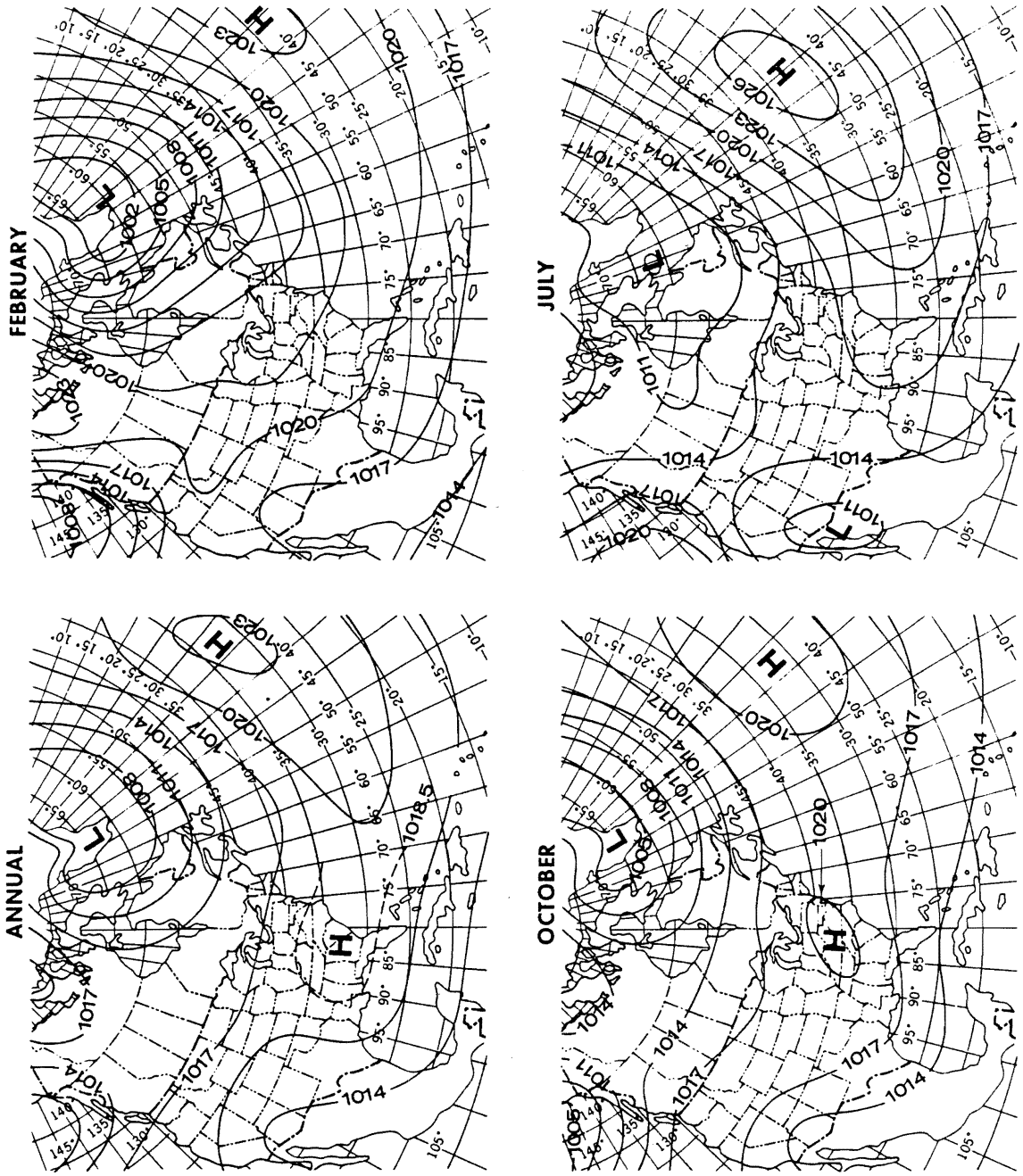

From A Meteorological Survey of the Oak Ridge Area, U. S. Atomic Energy Commission Publication ORO-99, Weather Bureau, Oak Ridge, Tennessee, November 1953. Page 377.

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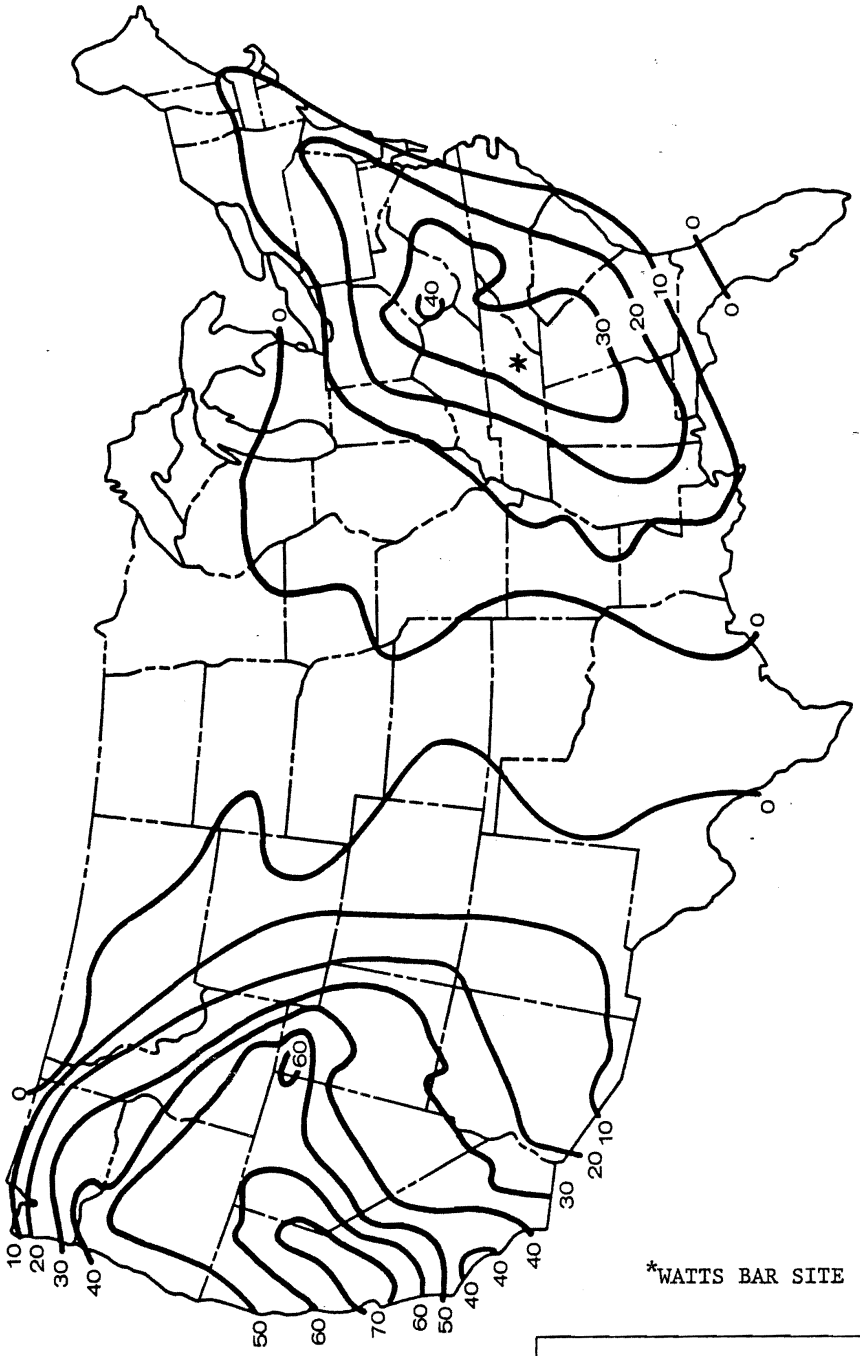
Figure 2.3-1

Normal Sea Level Pressure Distribution Over North America and the North Atlantic Ocean

Figure 2.3-1 Normal Sea Level Pressure Distribution Over North America and The North Atlantic Ocean



From Holzworth, Mixing Heights, Wind Speeds, and Potential for Urban Air Pollution Throughout the Contiguous United States, EPA, Research Triangle Park, N.C., January 1972. Page 96.

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Figure 2.3-2

Total Number of Forecast-Days of High Meteorological Potential for Air Pollution in a 5 Year Period

Figure 2.3-2 Total Number of Forecast-Days of High Meteorological Potential For Air Pollution in a 5 Year Period

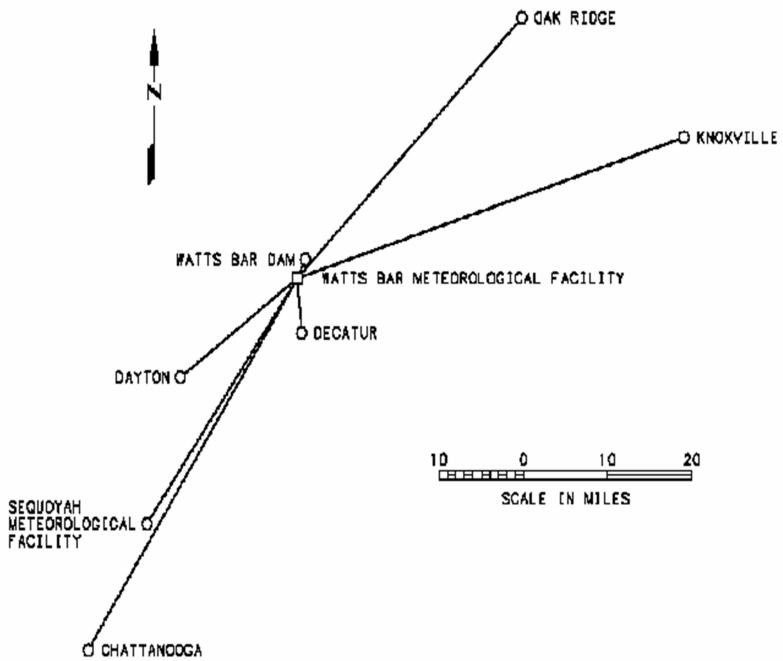
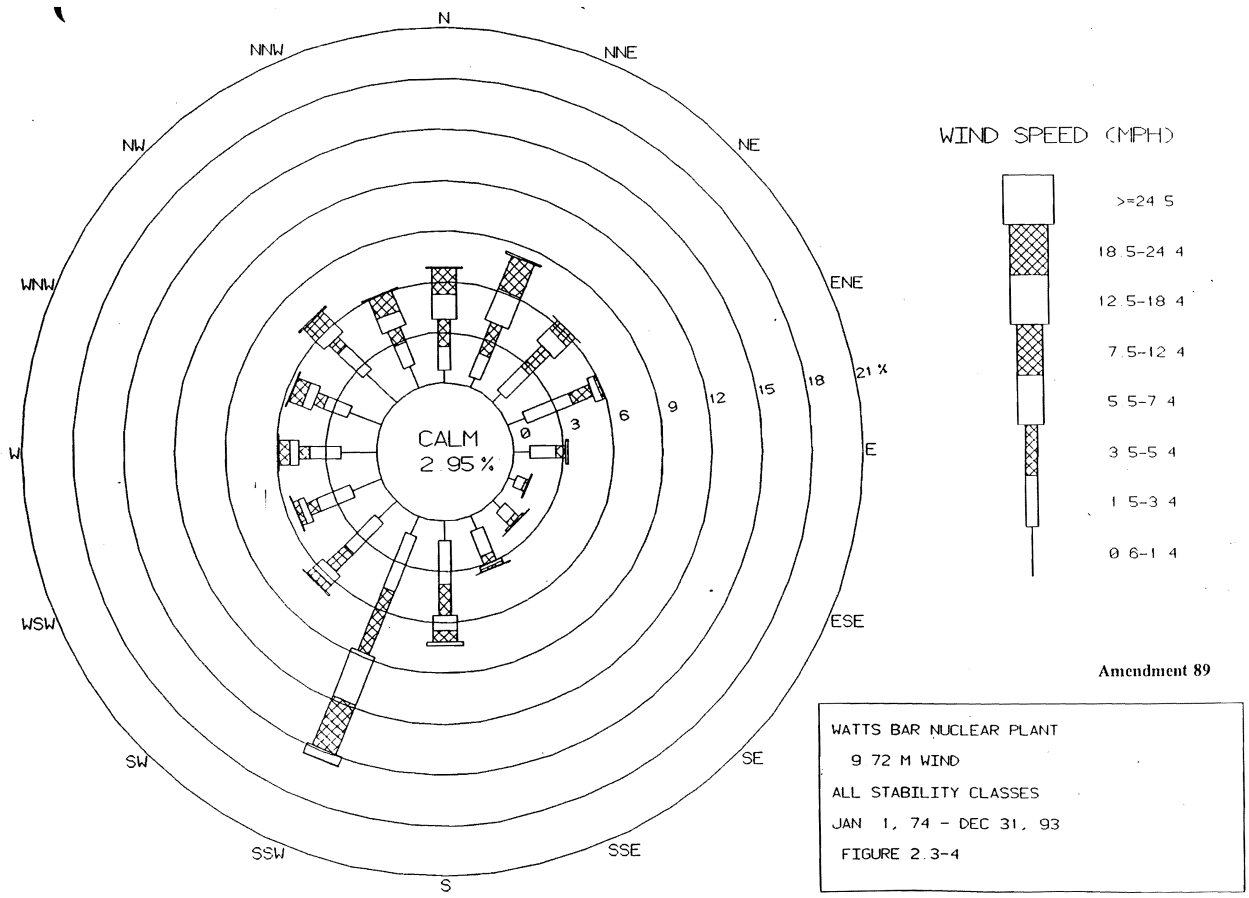
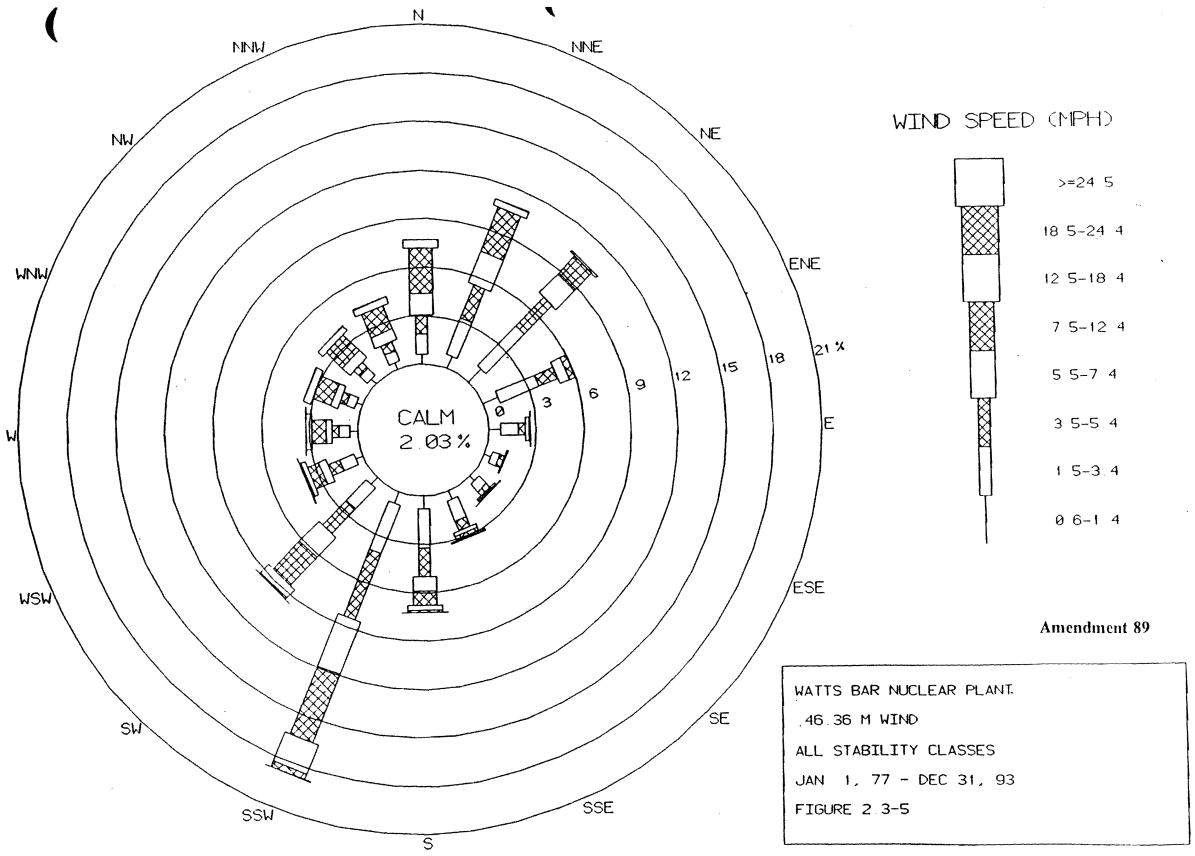


Figure 2.3-3 Climatological Data Sources in Area Around Watts Bar Site



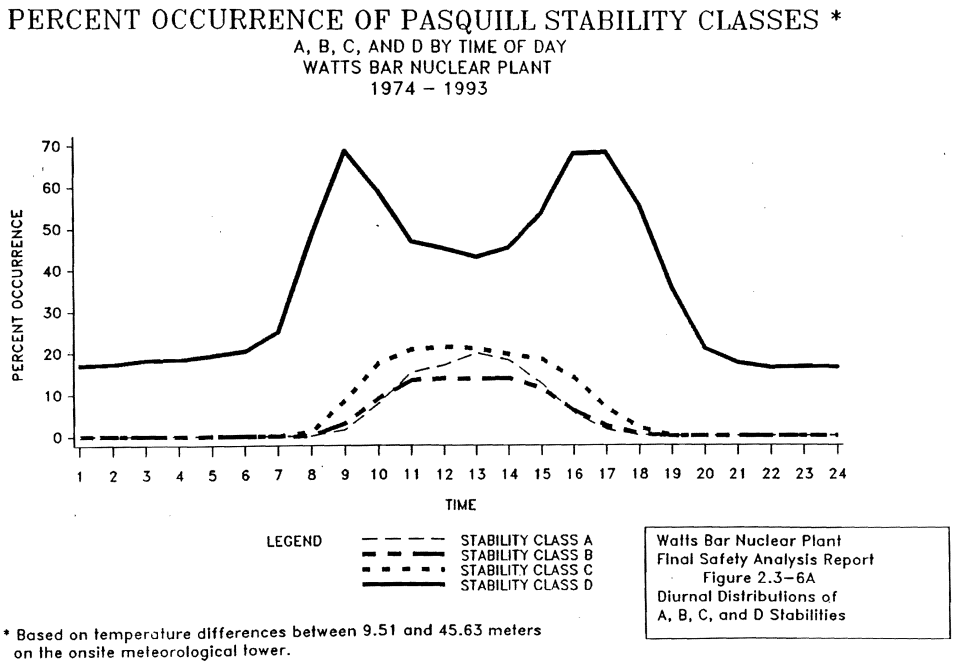
Amendment 89

Figure 2.3-4 Wind Speed at 9.72 Meters All Stability classes, Watts Bar Nuclear Plant, January 1, 1974 -December 31, 1993



Amendment 89

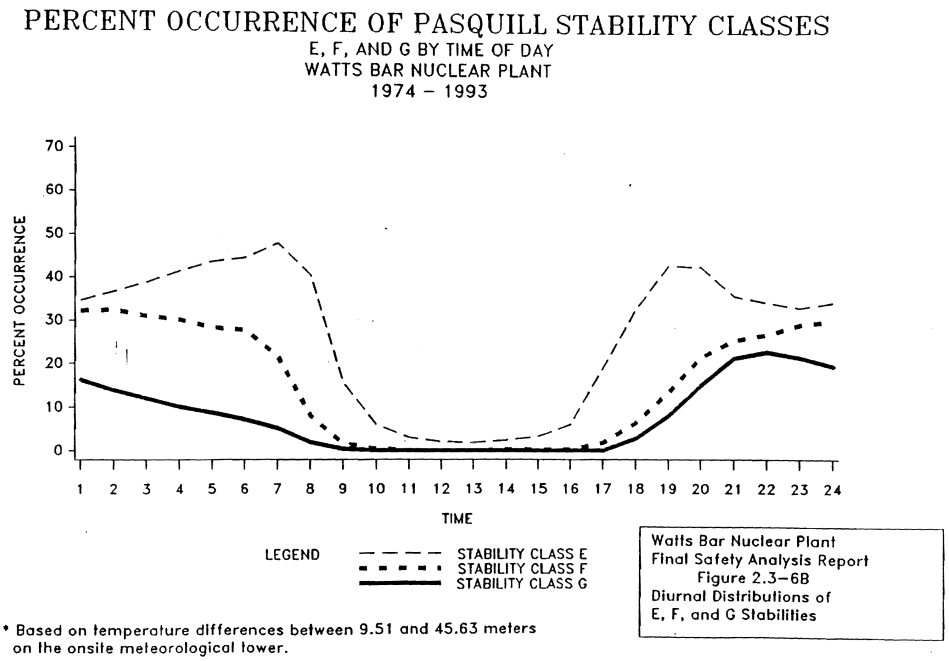
Figure 2.3-5 Wind Speed at 46.36 Meters All Stability Classes, Watts Bar Nuclear Plant, January 1, 1977 -December 31, 1993



* Based on temperature differences between 9.51 and 45.63 meters on the onsite meteorological tower.

Amendment 89

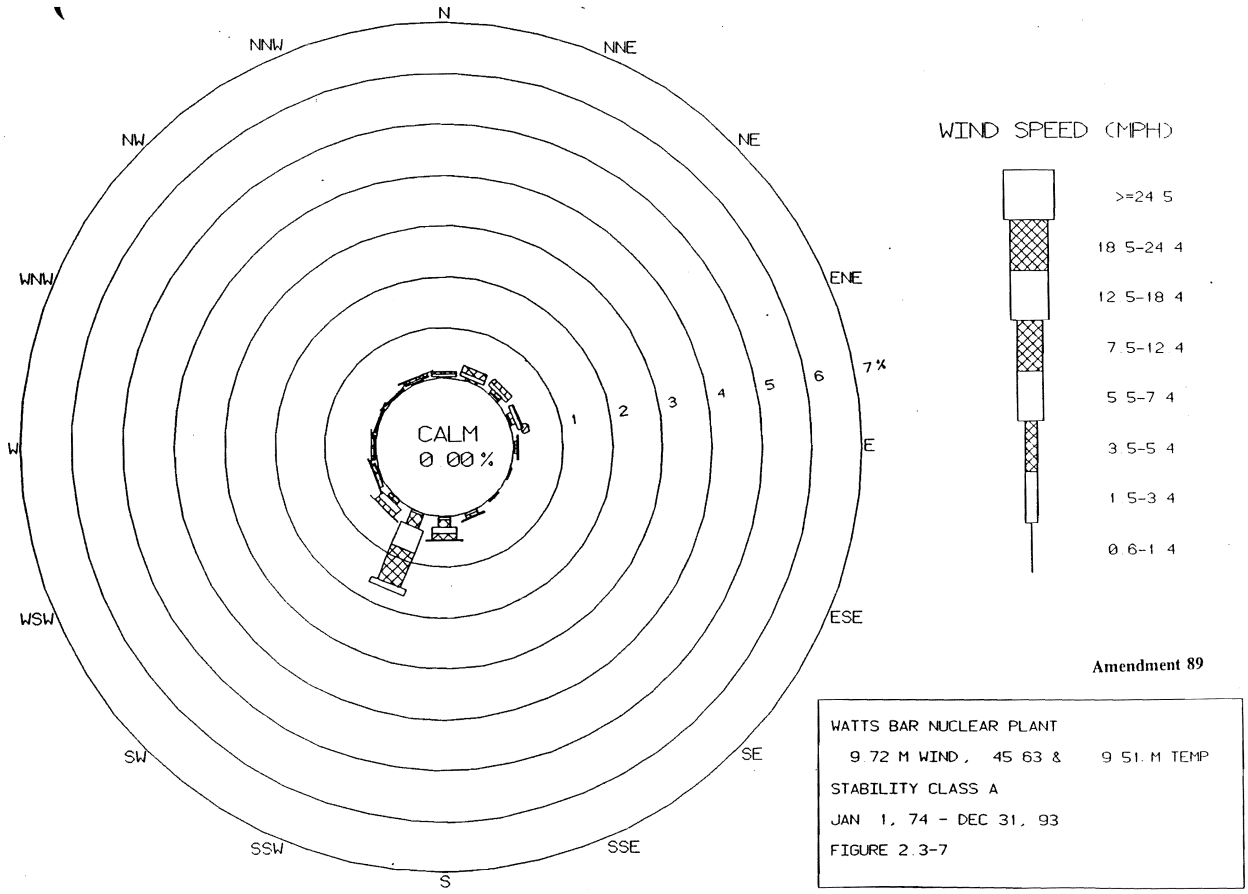
Figure 2.3-6a Percent Occurrences Of Pasquill Stability Classes A, B, C, And D By Time Of Day, Watts Bar Nuclear Plant, 1974-1993



* Based on temperature differences between 9.51 and 45.63 meters on the onsite meteorological tower.

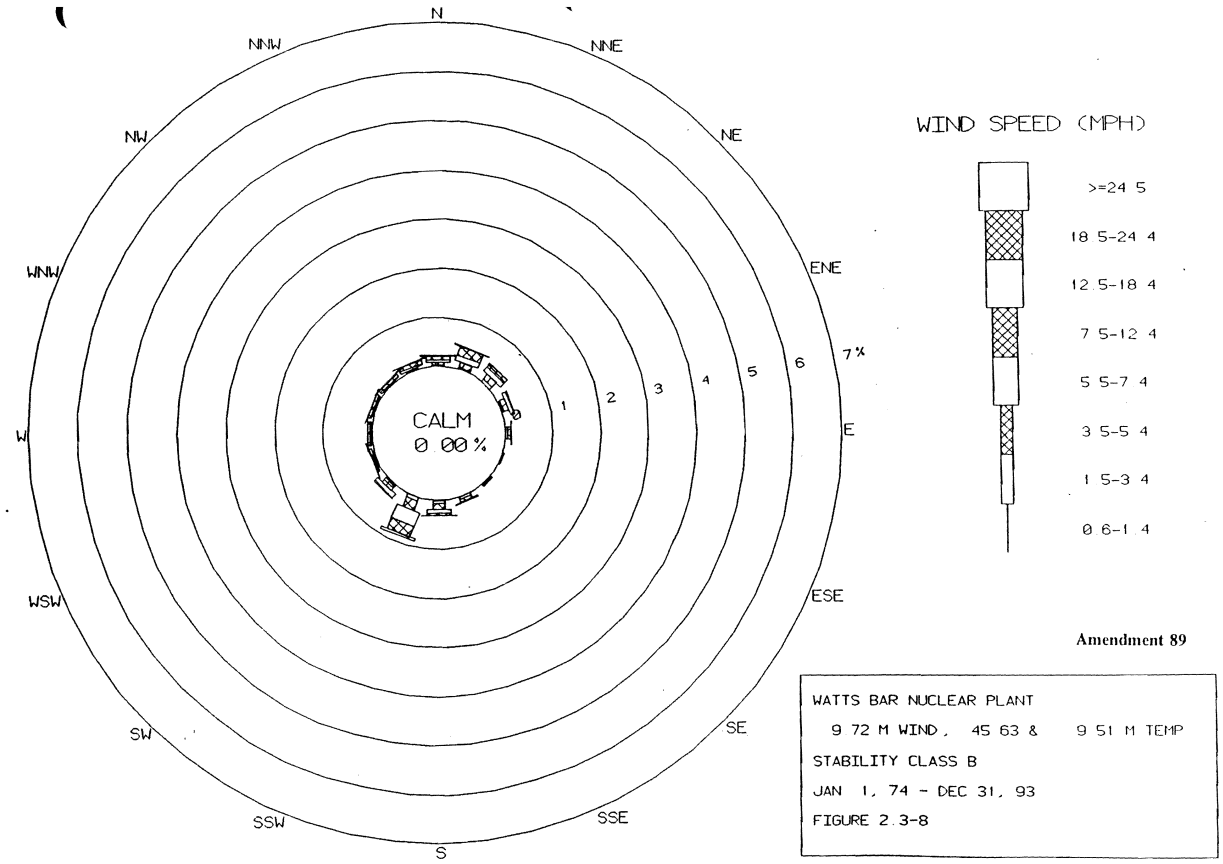
Amendment 89

Figure 2.3-6b Percent Occurrences Of Pasquill Stability Classes E, F, and G By Time of Day, Watts Bar Nuclear Plant, 1974-1993



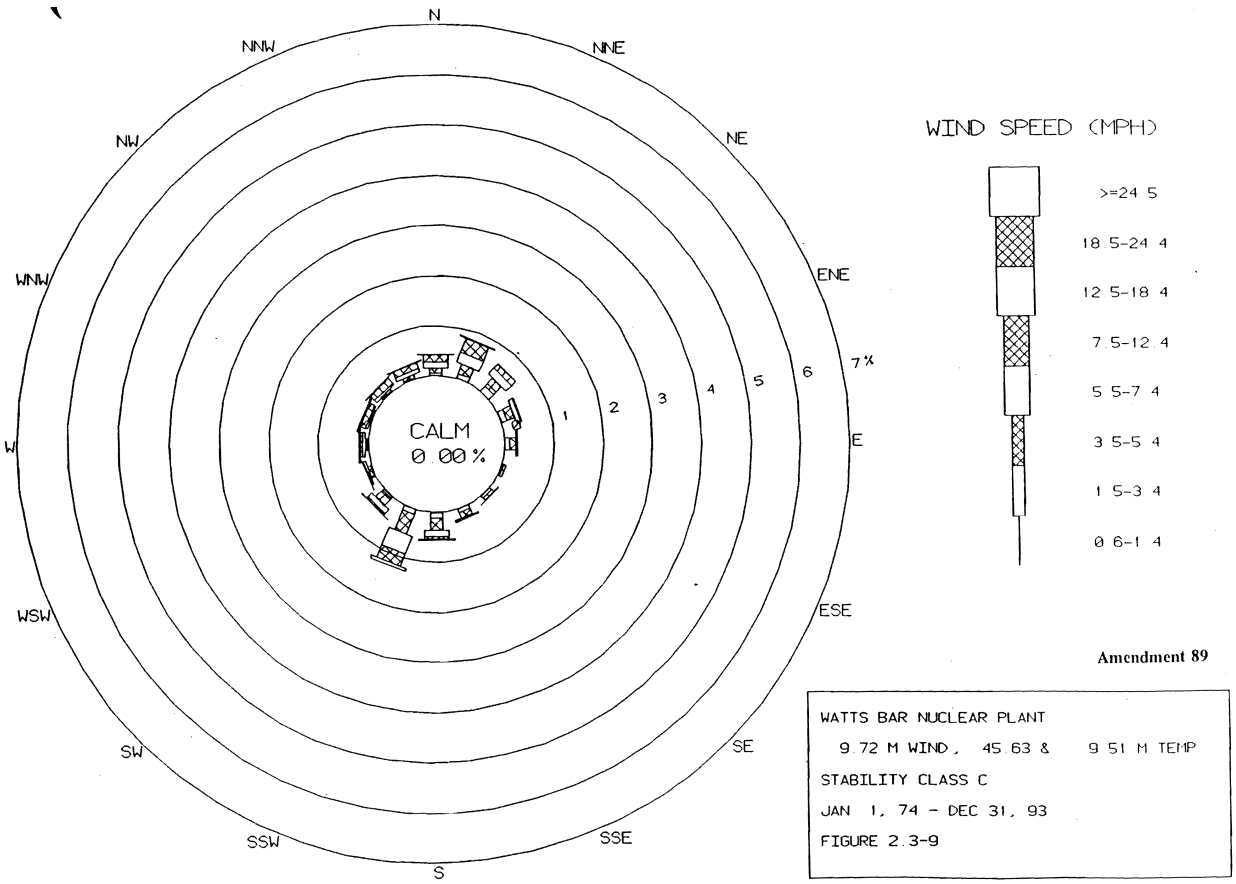
Amendment 89

Figure 2.3-7 Wind Speed at 9.72 Meters for Stability Class A, Watts Bar Nuclear Plant, January 1, 1974 - December 31, 1993



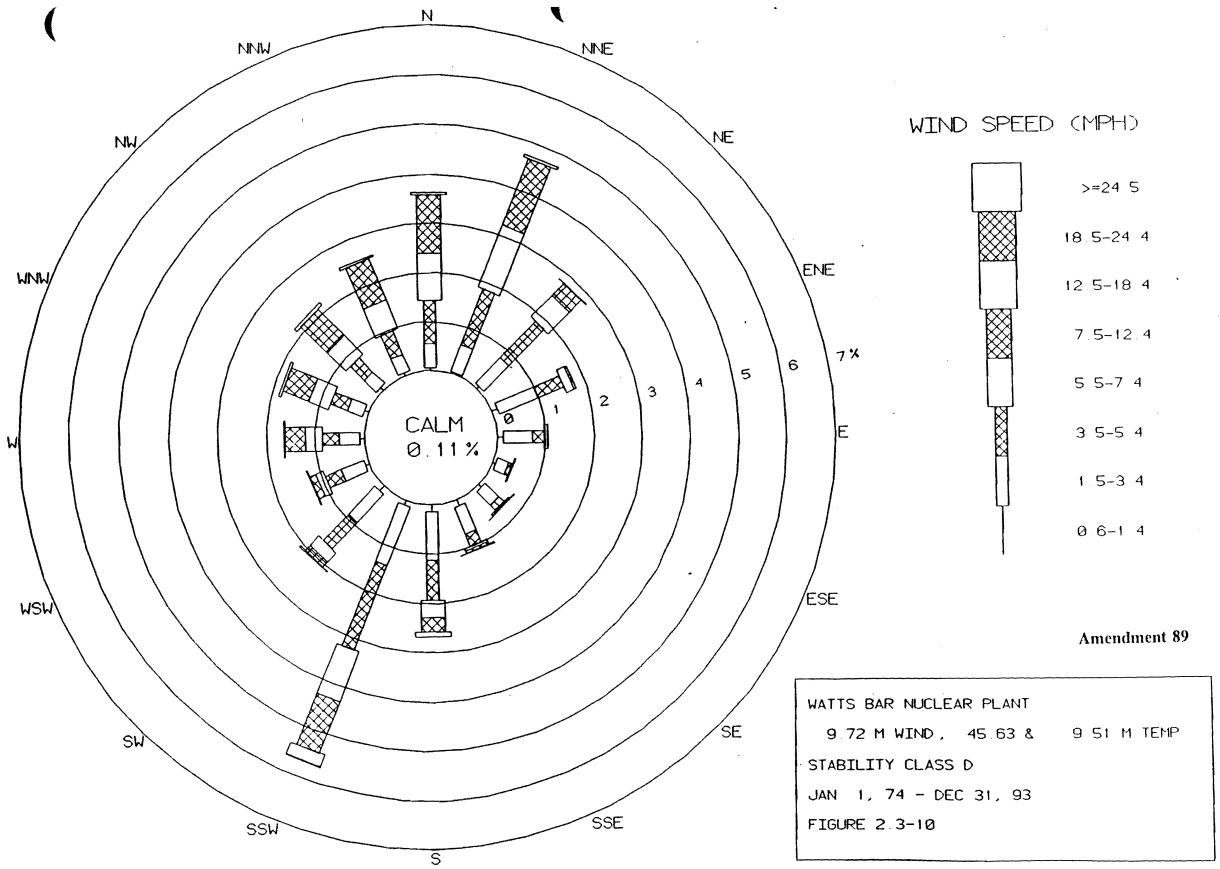
Amendment 89

Figure 2.3-8 Wind Speed at 9.72 Meters for Stability Class B, Watts Bar Nuclear Plant, January 1, 1974 - December 31, 1993



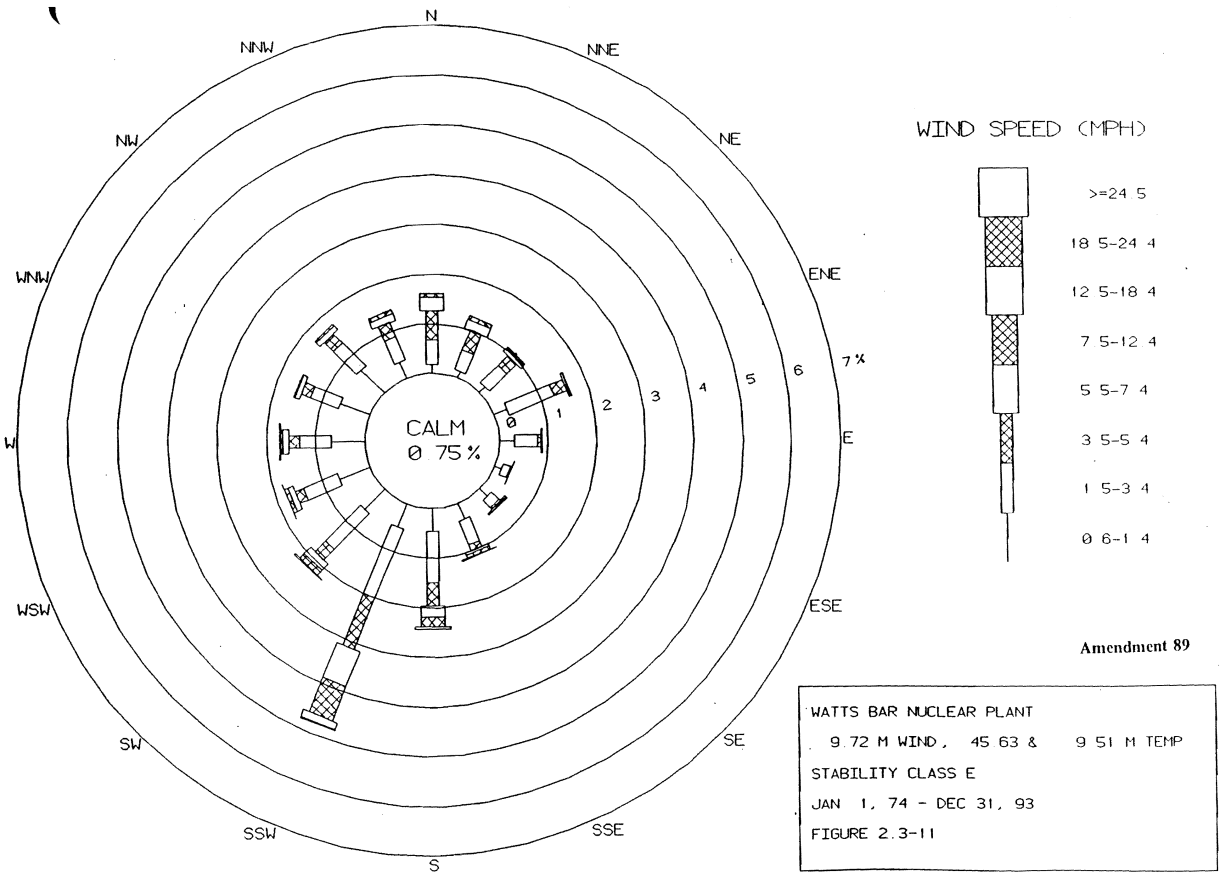
Amendment 89

Figure 2.3-9 Wind Speed at 9.72 Meters for Stability Class C, Watts Bar Nuclear Plant, January 1, 1974 - December 31, 1993



Amendment 89

Figure 2.3-10 Wind Speed at 9.72 Meters for Stability Class D, Watts Bar Nuclear Plant, January 1, 1974 - December 31, 1993



Amendment 89

Figure 2.3-11 Wind Speed at 9.72 Meters for Stability Class E, Watts Bar Nuclear Plant, January 1, 1974 -December 31, 1993

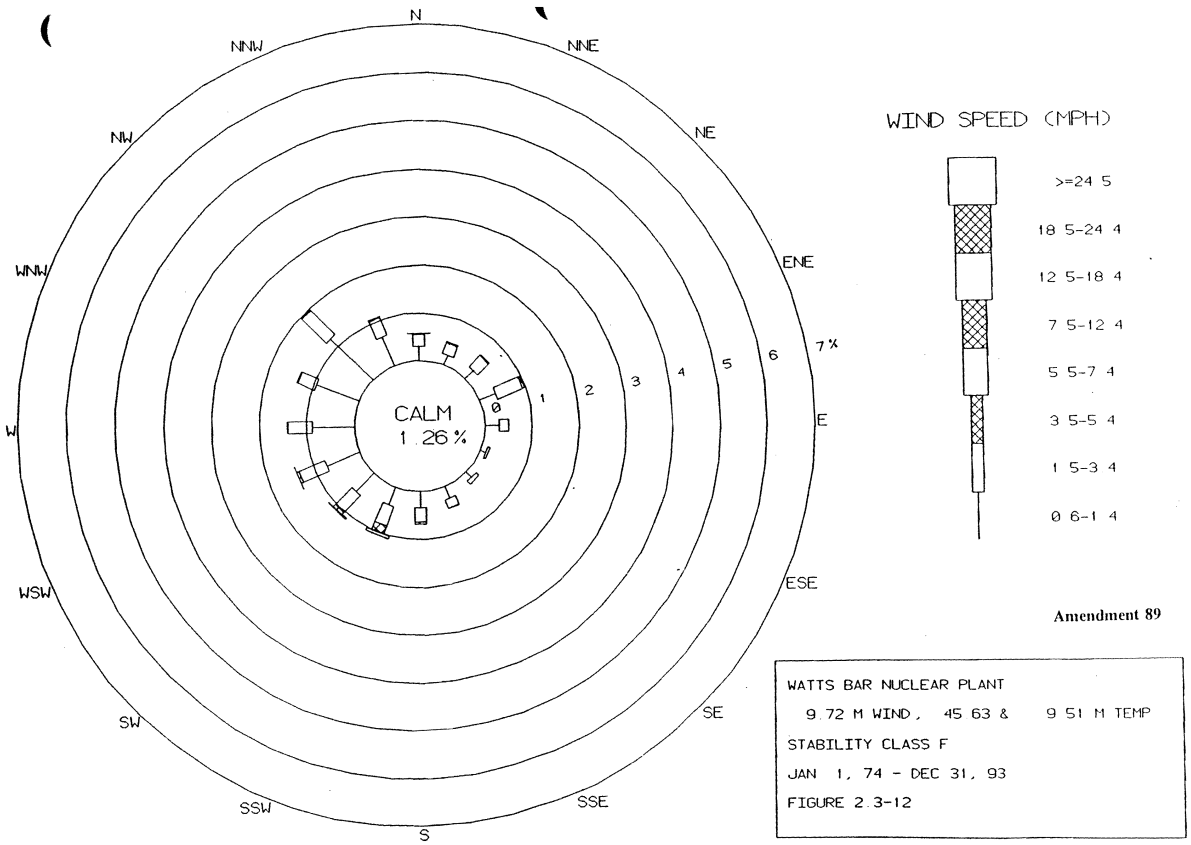
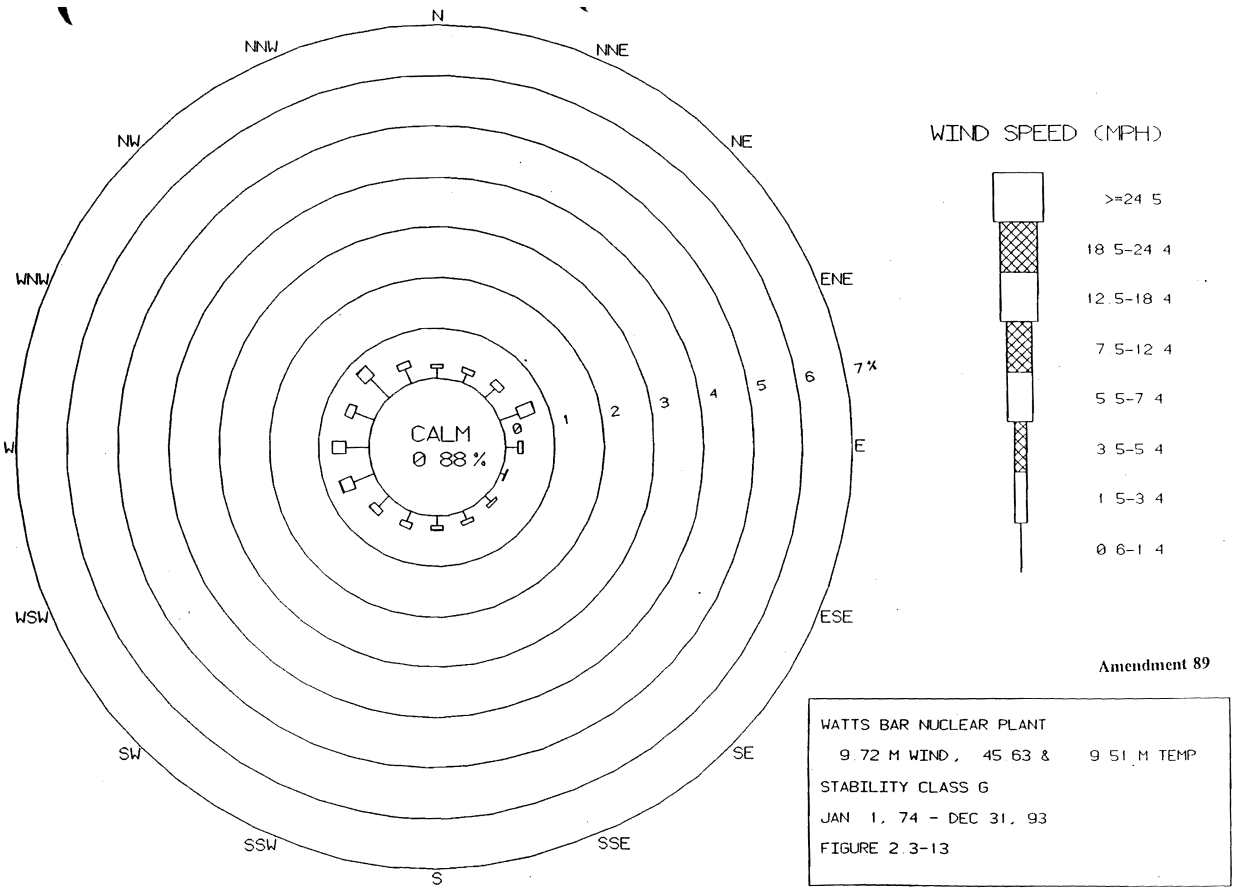
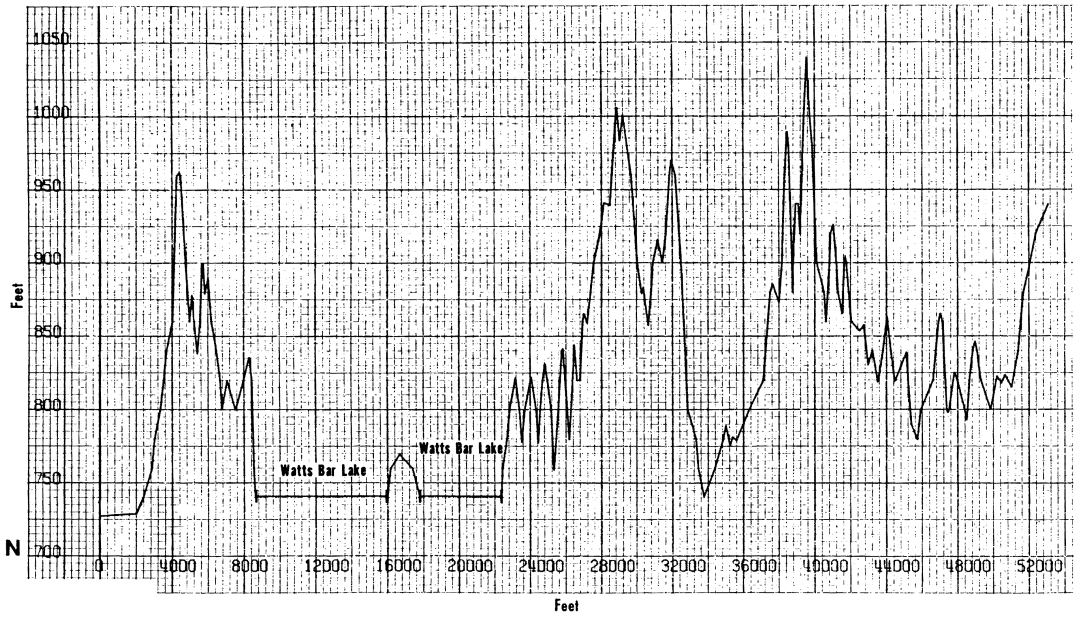


Figure 2.3-12 Wind Speed at 9.72 Meters for Stability Class F, Watts Bar Nuclear Plant, January 1, 1974 -December 31, 1993



Amendment 89

Figure 2.3-13 Wind Speed at 9.72 Meters for Stability Class G, Watts Bar Nuclear Plant, January 1, 1974 - December 31, 1993



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TOPOGRAPHY WITHIN 10
MILE RADIUS
Figure 2.3-14

Figure 2.3-14 Topography Within 10 Mile Radius - N