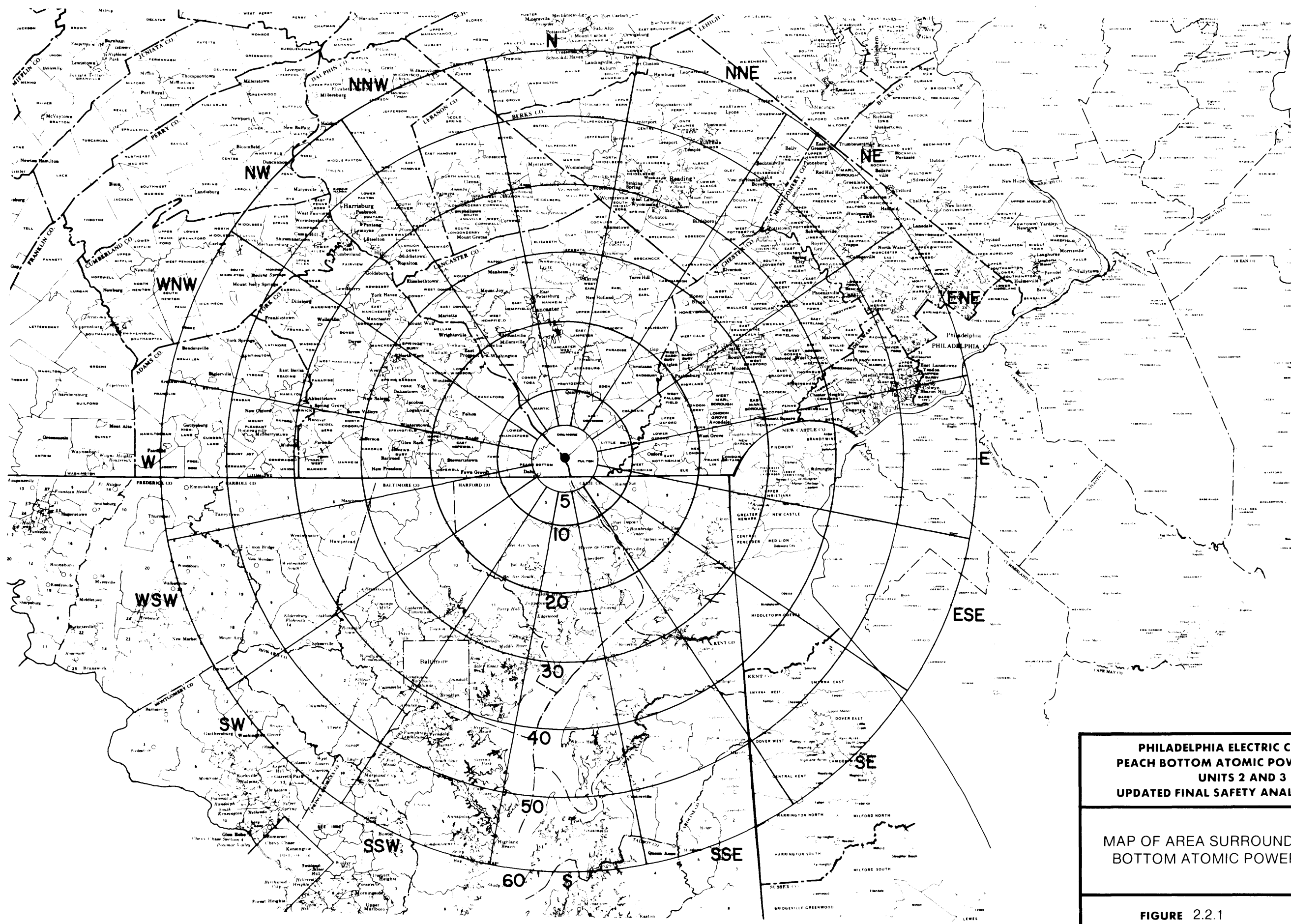
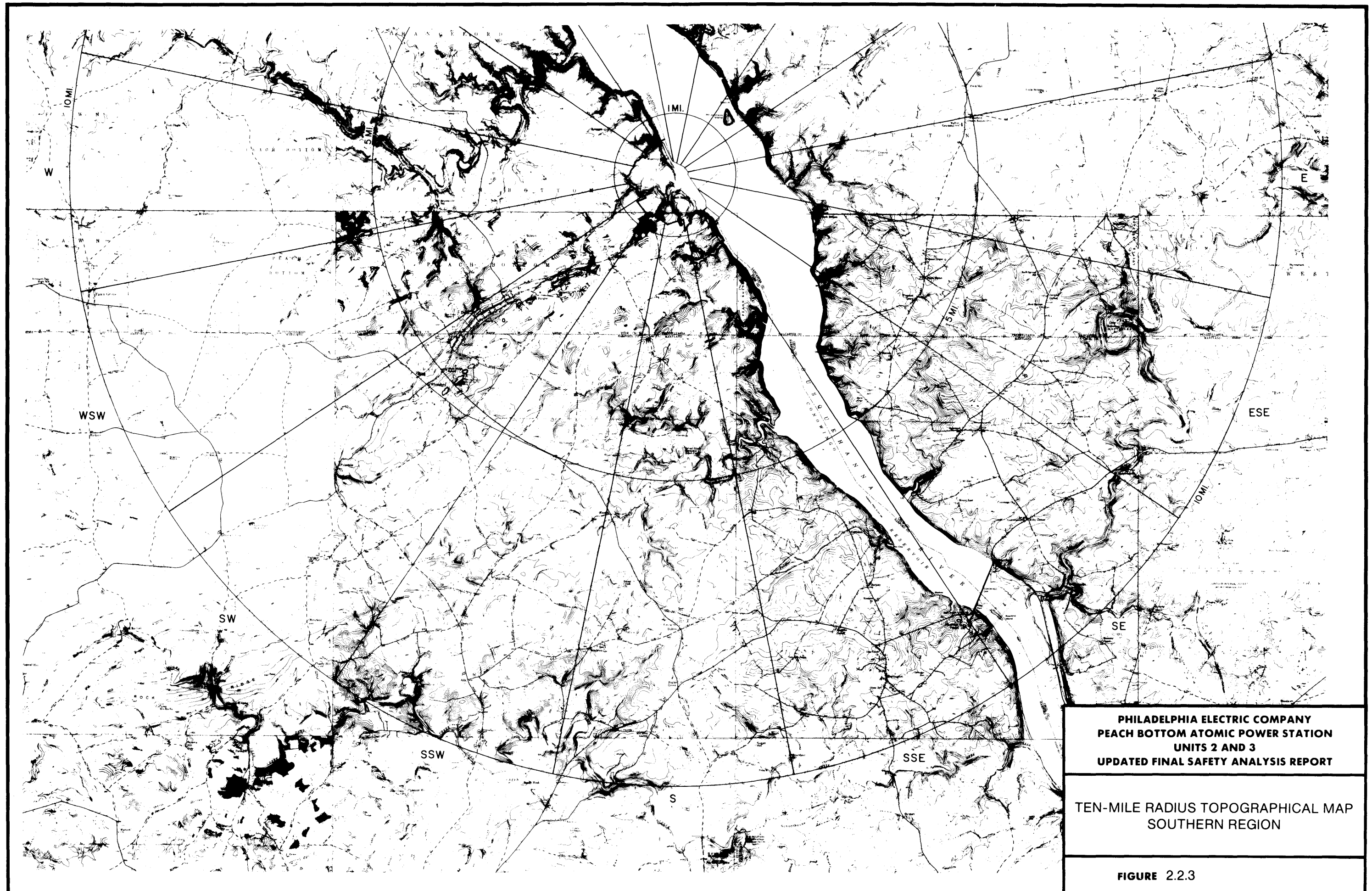




**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

**MAP OF AREA SURROUNDING PEACH
BOTTOM ATOMIC POWER STATION**

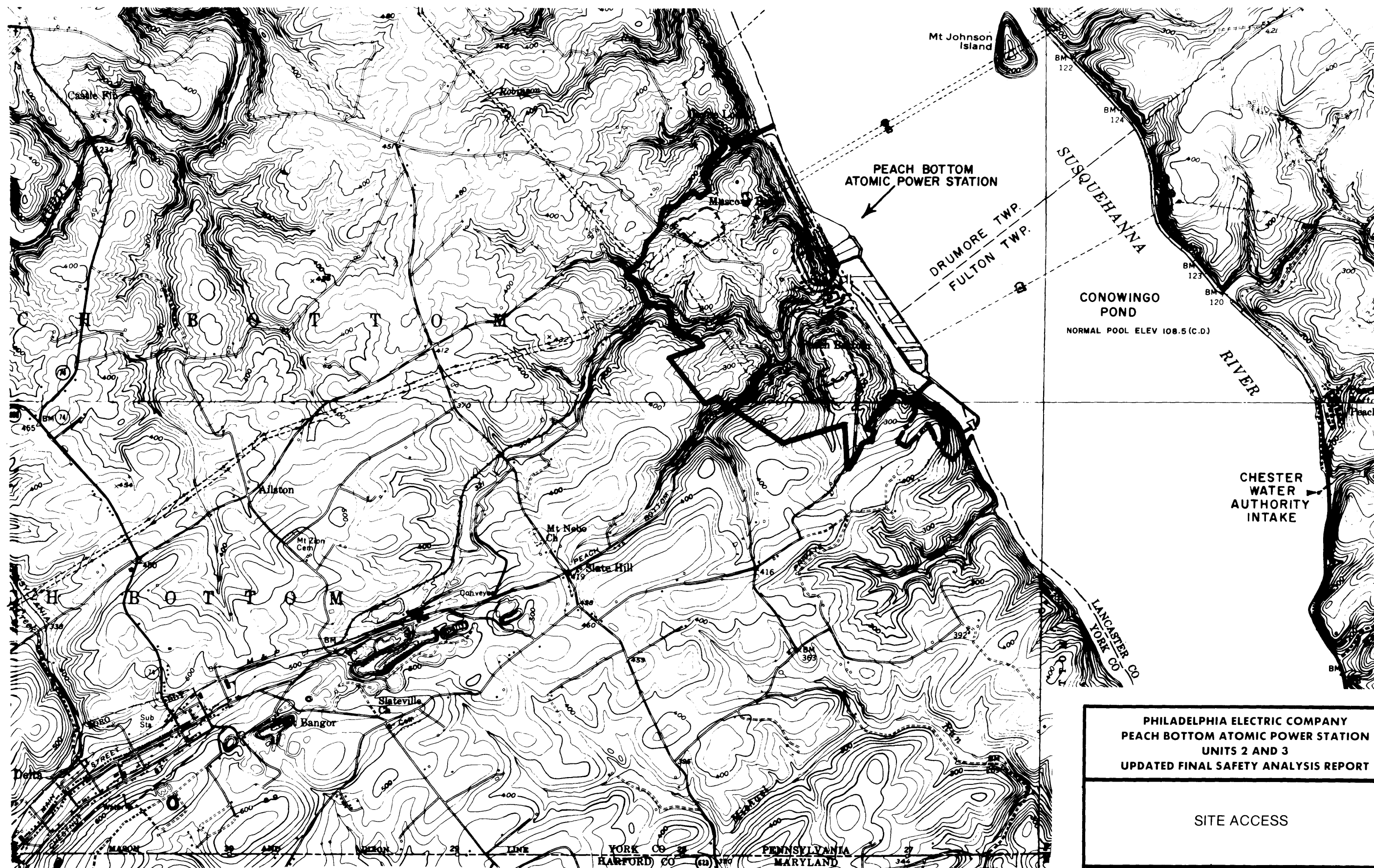
FIGURE 2.2.1



PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

TEN-MILE RADIUS TOPOGRAPHICAL MAP
SOUTHERN REGION

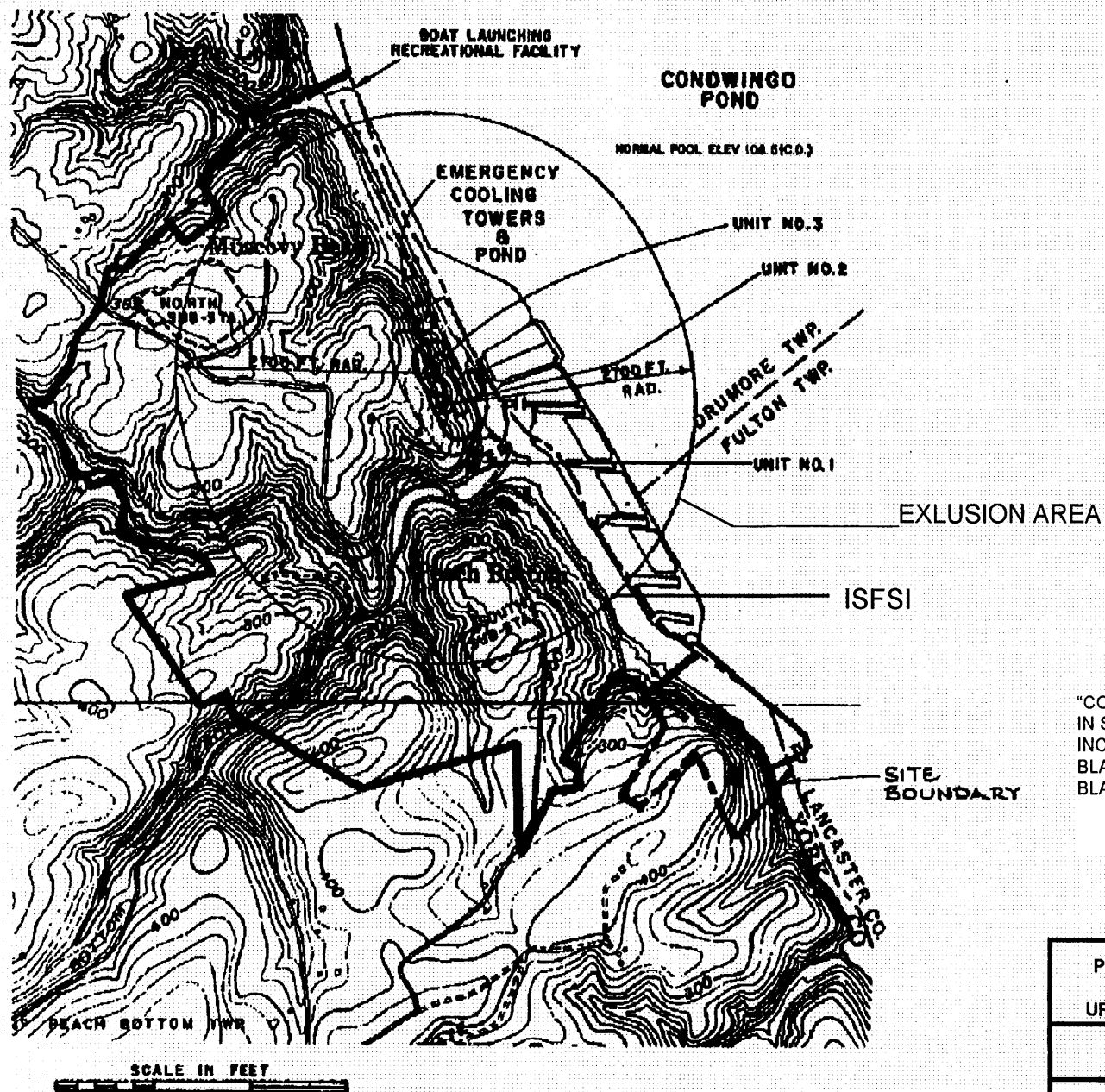
FIGURE 2.2.3



PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

SITE ACCESS

FIGURE 2.2.4

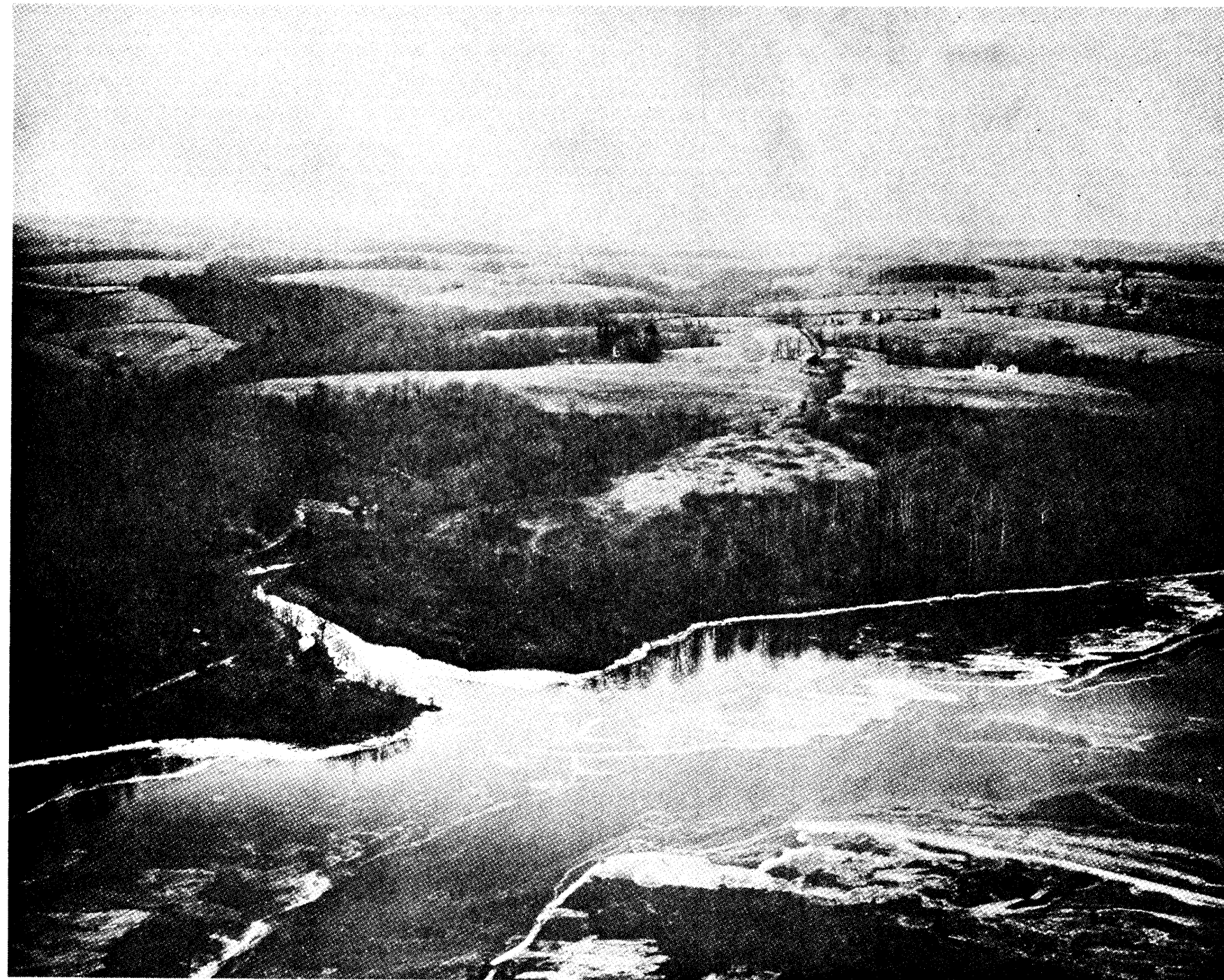


PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

EXCLUSION AREA

FIGURE 2.2.5

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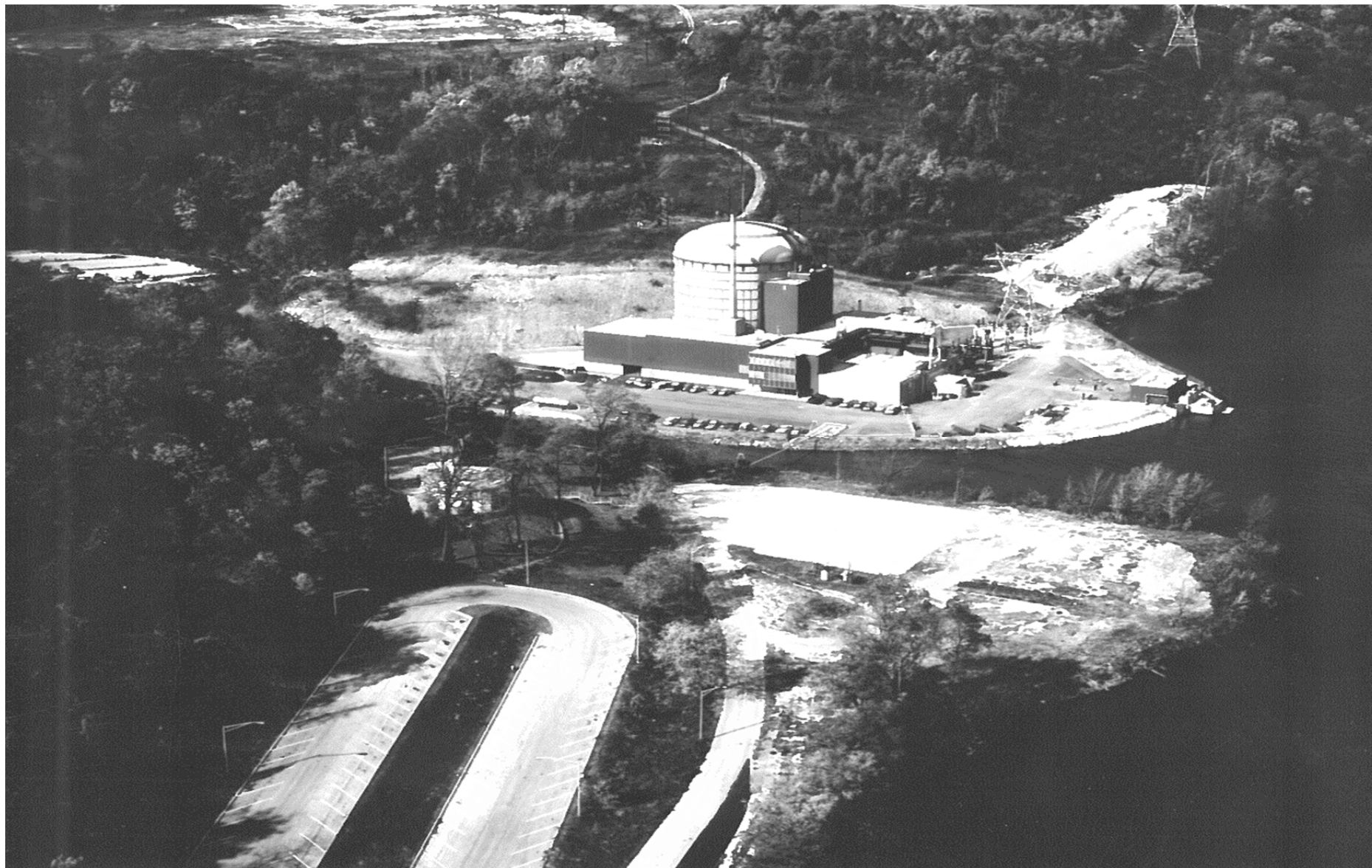
PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

AERIAL PHOTOGRAPH OF SITE LOOKING
APPROXIMATELY TOWARD THE WEST
PRIOR TO CONSTRUCTION OF UNIT 1

FIGURE 2.2.6



PHILADELPHIA ELECTRIC COMPANY PEACH BOTTOM ATOMIC POWER STATION UNITS 2 AND 3 UPDATED FINAL SAFETY ANALYSIS REPORT
AERIAL PHOTOGRAPH OF SITE LOOKING APPROXIMATELY TOWARD THE NORTH- NORTHEAST PRIOR TO CONSTRUCTION OF UNIT 1
FIGURE 2.2.7



PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

AERIAL PHOTOGRAPH OF SITE LOOKING
APPROXIMATELY TOWARD THE WEST –
NORTHWEST AFTER COMPLETING UNIT 1

FIGURE 2.2.8

REV. 25, 04/15

Figure 2.2.9 thru 2.2.10

Deleted



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

AERIAL PHOTOGRAPH OF SITE LOOKING
APPROXIMATELY TOWARD THE NORTH-
WEST — DECEMBER, 1969

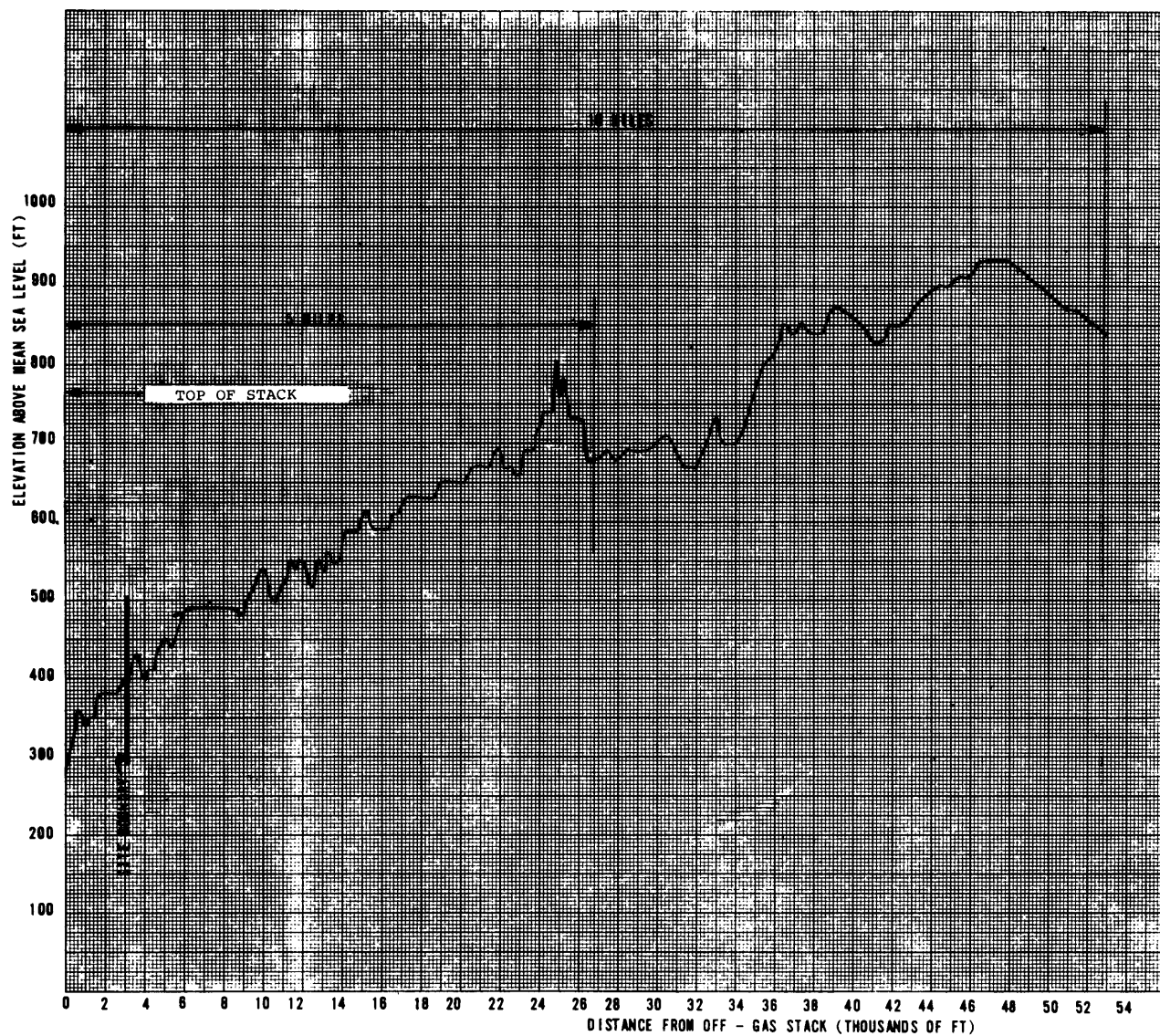
FIGURE 2.2.11



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

AERIAL PHOTOGRAPH OF SITE LOOKING
APPROXIMATELY TOWARD THE EAST-
SOUTHEAST — NOVEMBER, 1969

FIGURE 2.2.12

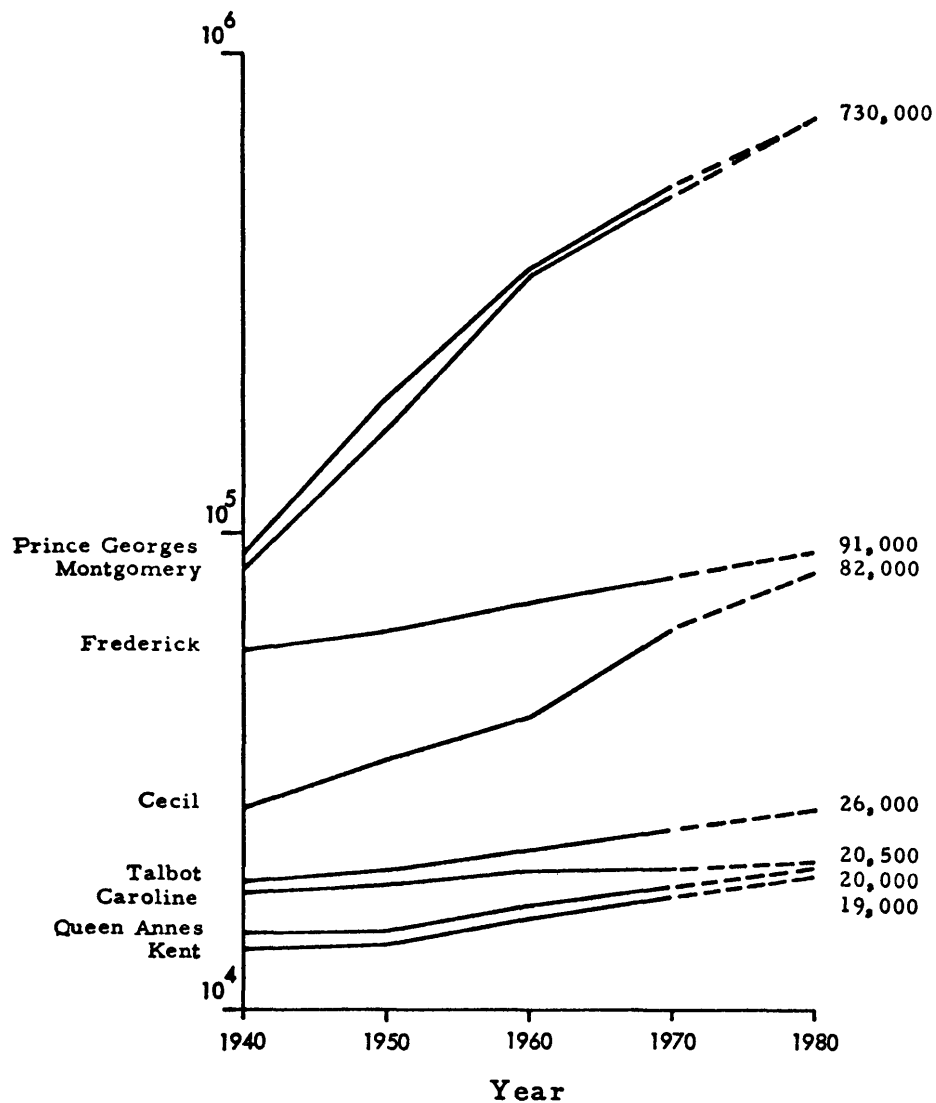


**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

**MAXIMUM ELEVATION OF TERRAIN VS.
DISTANCE FROM STACK**

FIGURE 2.2.13

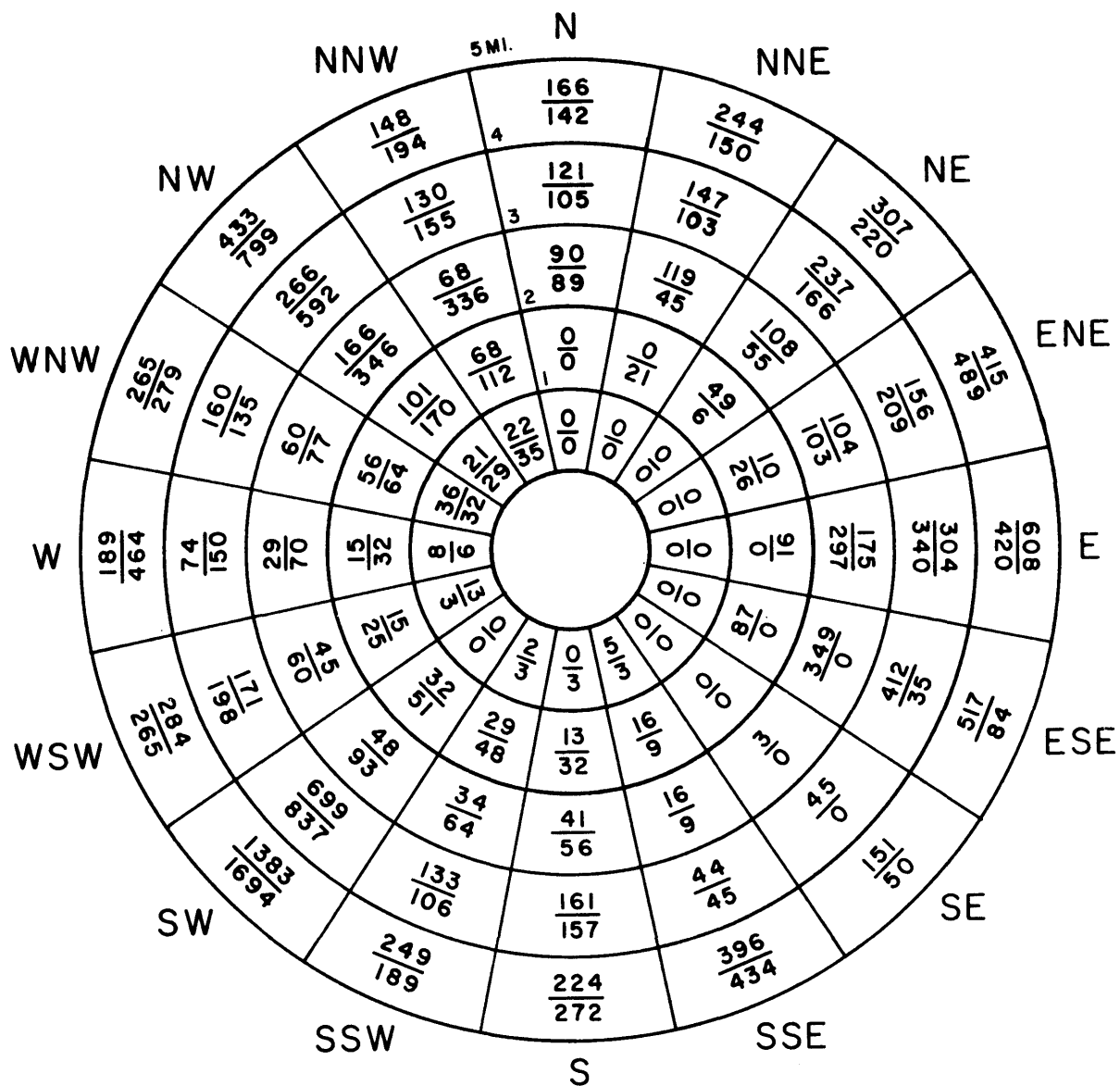
Dashed lines indicate extrapolations by the Philadelphia Electric Company, since 1980 projections for these counties were not available from the Maryland State Planning Commission or the Chamber of Commerce of Metropolitan Baltimore when this study was made.



PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

1980 POPULATION PROJECTION FOR
VARIOUS COUNTIES OF MARYLAND

FIGURE 2.2.14



POPULATION

	1966	1970
0 - 1 MILE	114	107
0 - 2 MILES	596	582
0 - 3 MILES	1447	1455
0 - 4 MILES	3333	3260
0 - 5 MILES	6145	5959

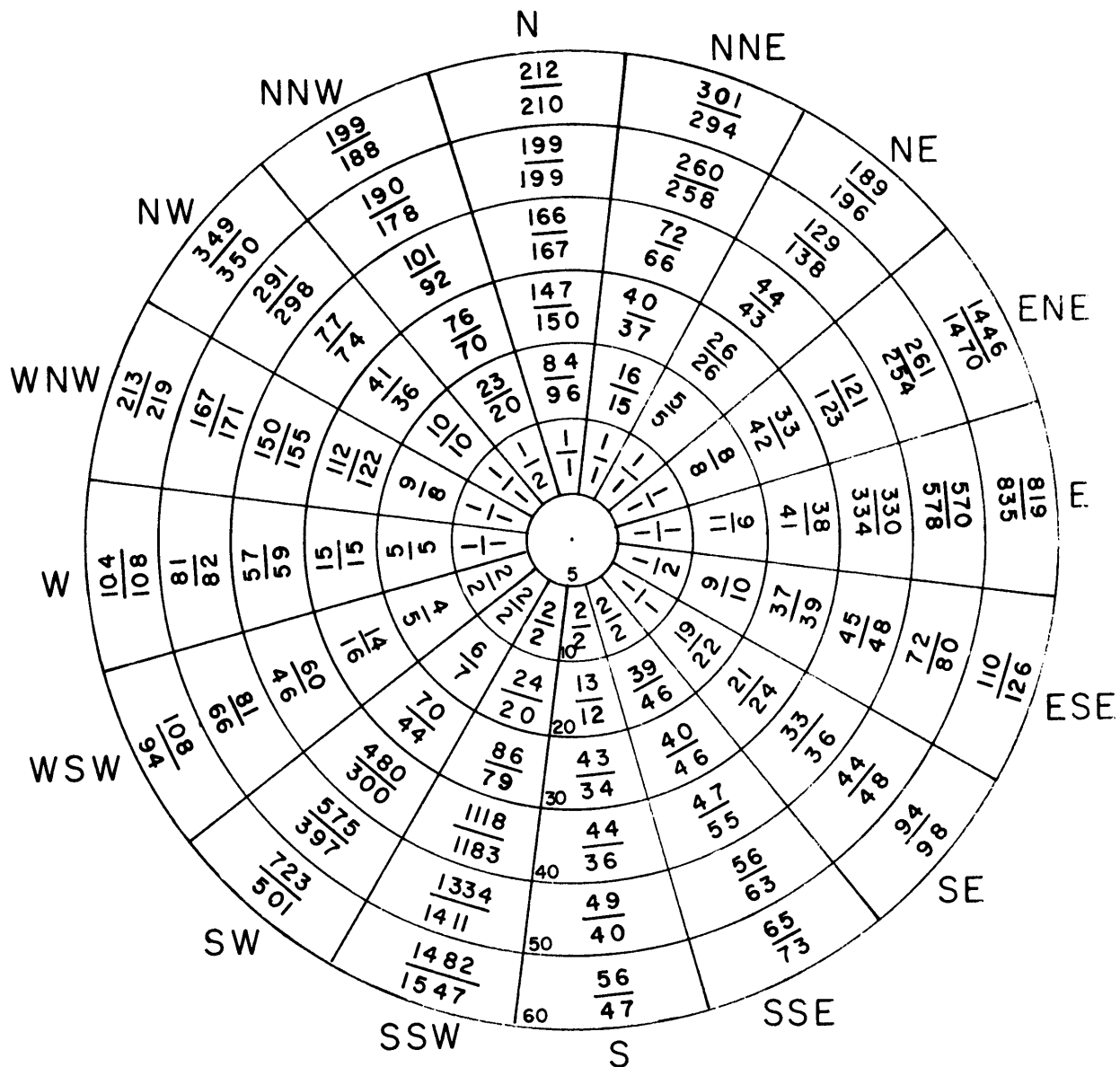
EXAMPLE (NNE - 0 TO 5 MILES)

$$\frac{1970}{1966} = \frac{224}{150}$$

**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

1966 AND 1970 ESTIMATED POPULATION
CUMULATIVE FROM REACTOR LOCATION
BY DIRECTION TO 5 MILES

FIGURE 2.2.15



THOUSANDS OF PEOPLE

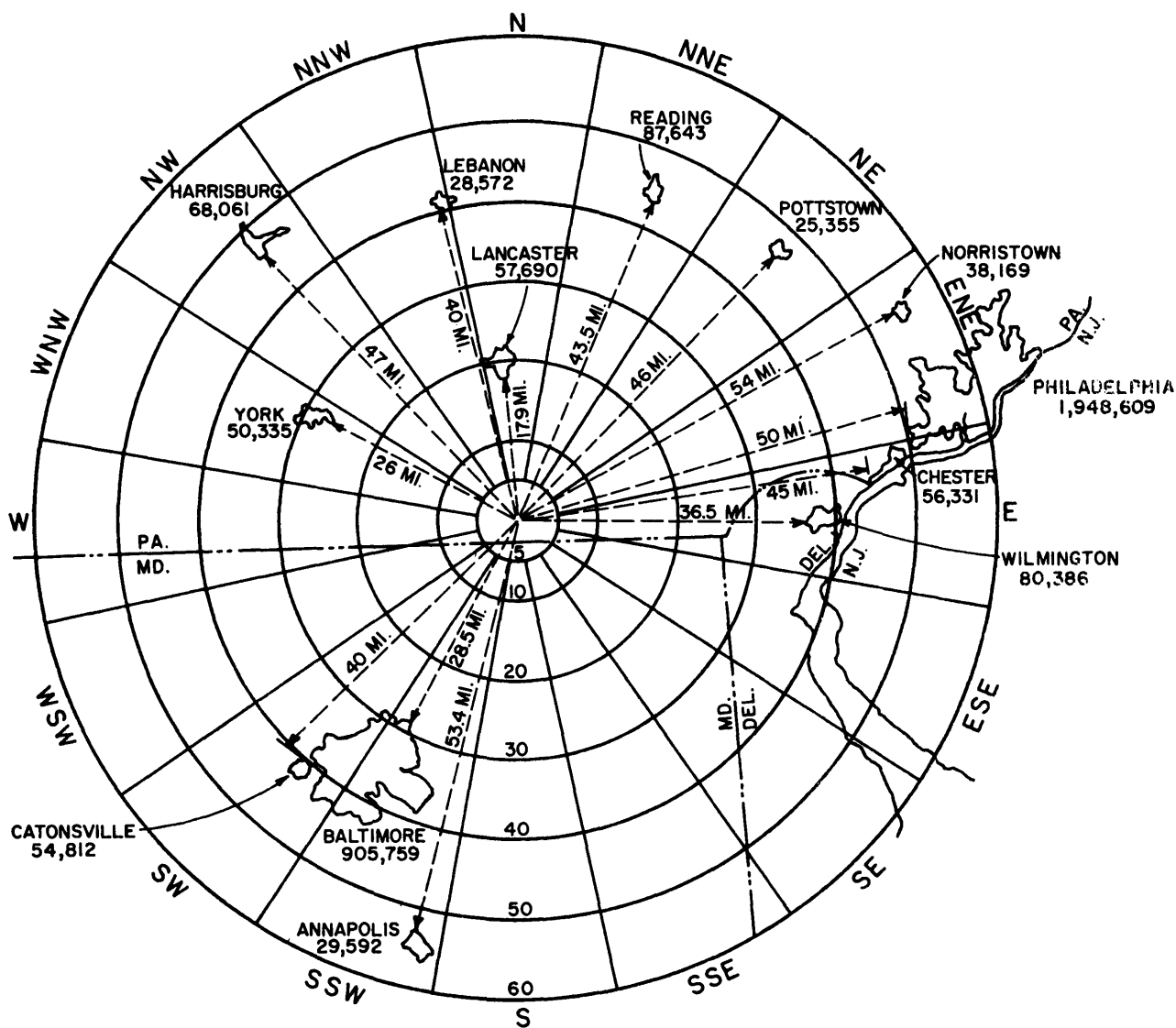
EXAMPLE (NNE)

CENSUS : - 301
ESTIMATED : - 294

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

1970 ESTIMATED AND CENSUS POPULATION
CUMULATIVE FROM REACTOR LOCATION
BY DIRECTION FROM 5 MILES TO 60 MILES

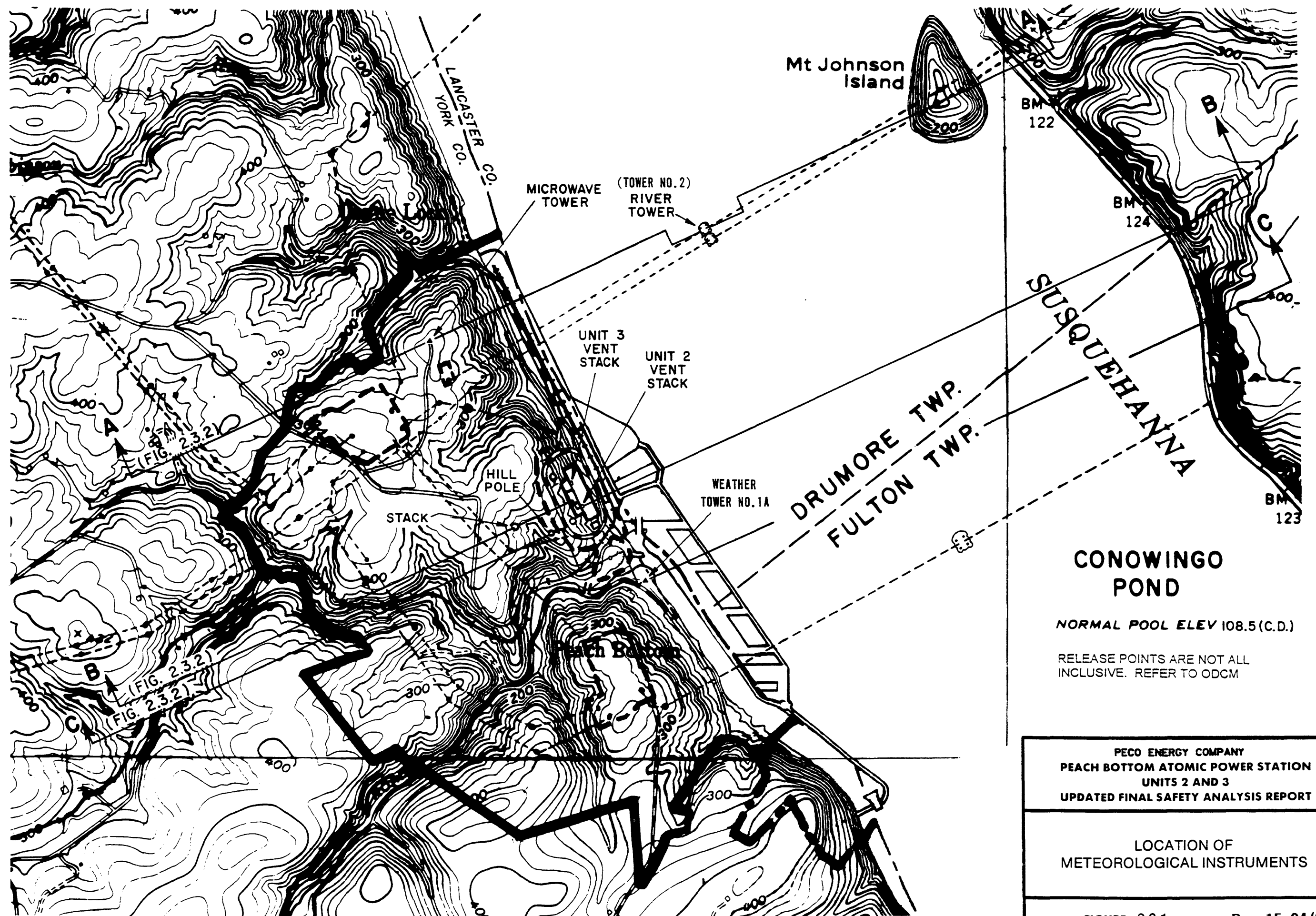
FIGURE 2.2.16

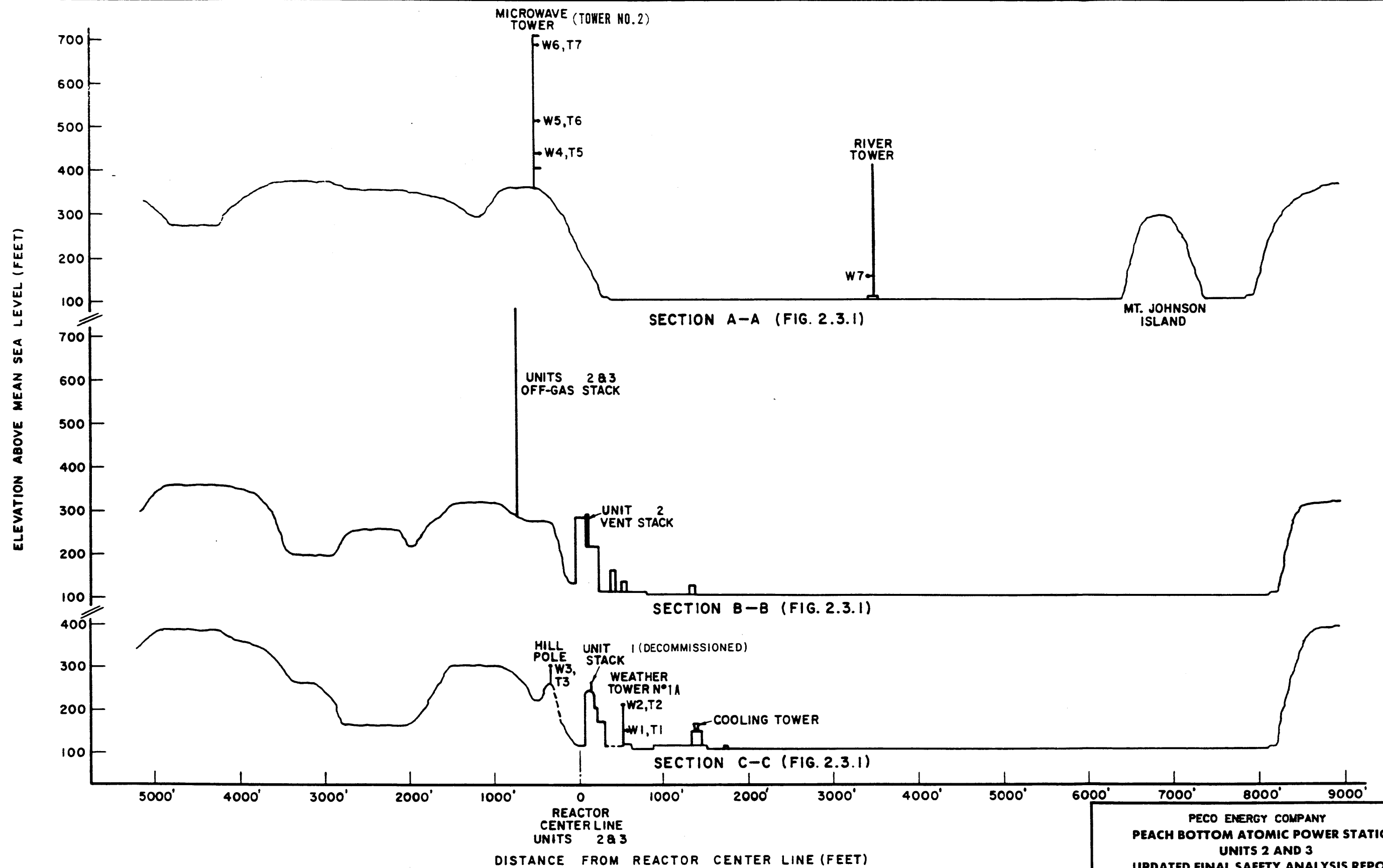


**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

POPULATION CENTER DISTANCES WITHIN
A 60 MILE RADIUS

FIGURE 2.2.17





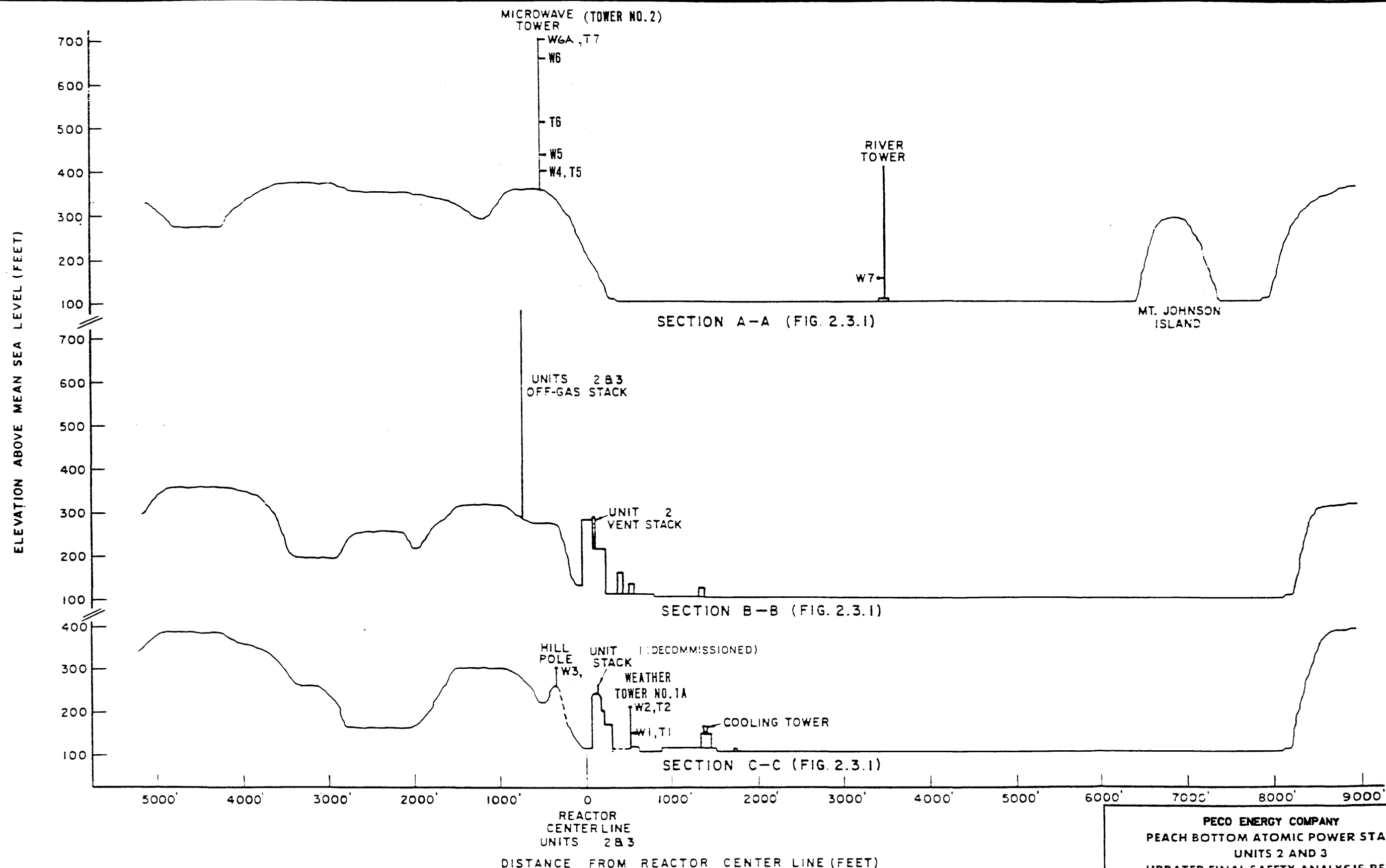
RELEASE POINTS ARE NOT ALL INCLUSIVE. REFER TO ODCM

PECO ENERGY COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

ELEVATIONS OF METEOROLOGICAL
INSTRUMENTS AND GASEOUS
RELEASE POINTS

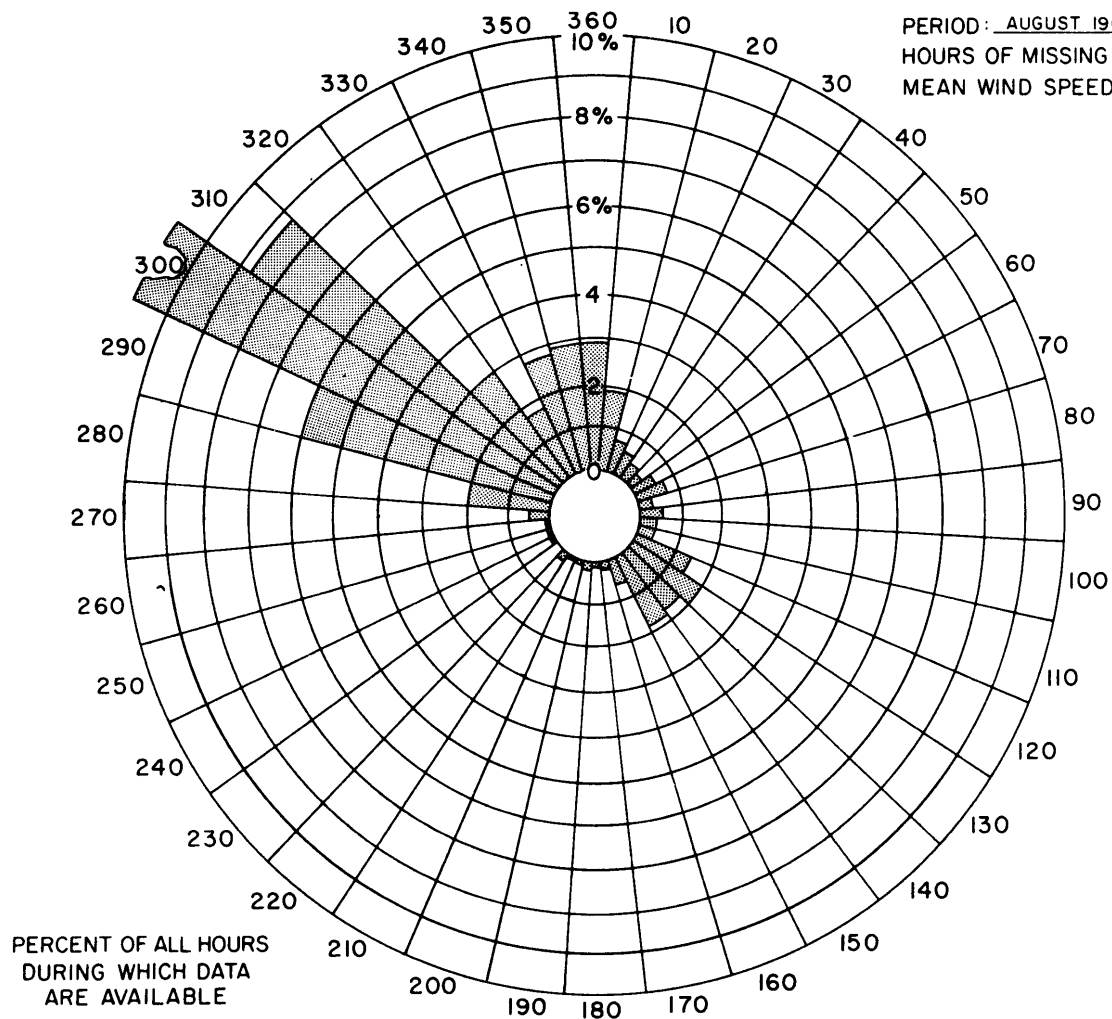
FIGURE 2.3.2

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RELEASE POINTS ARE NOT ALL INCLUSIVE. REFER TO ODCM

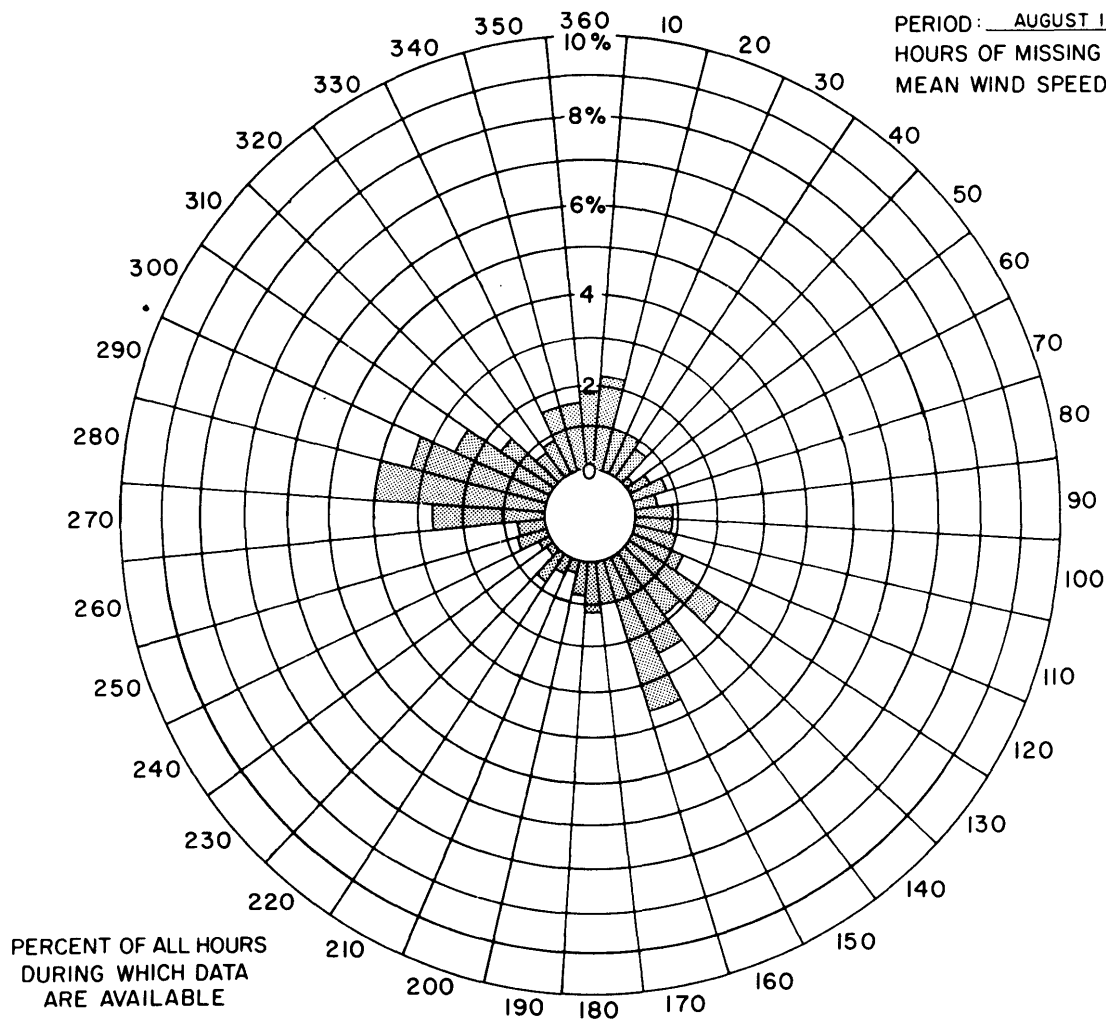
PECO ENERGY COMPANY PEACH BOTTOM ATOMIC POWER STATION UNITS 2 AND 3 UPDATED FINAL SAFETY ANALYSIS REPORT	
ELEVATIONS OF METEOROLOGICAL INSTRUMENTS AND GASEOUS RELEASE POINTS 1983 SYSTEM UPGRADE	
FIGURE 2.3.2-A	Rev.15 04/98



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JAN—FEB—MAR WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W1 (TOWER NO. 1),
NOMINAL 30—FT LEVEL, EL 153 FT
MSL, TURBULENCE CLASS II

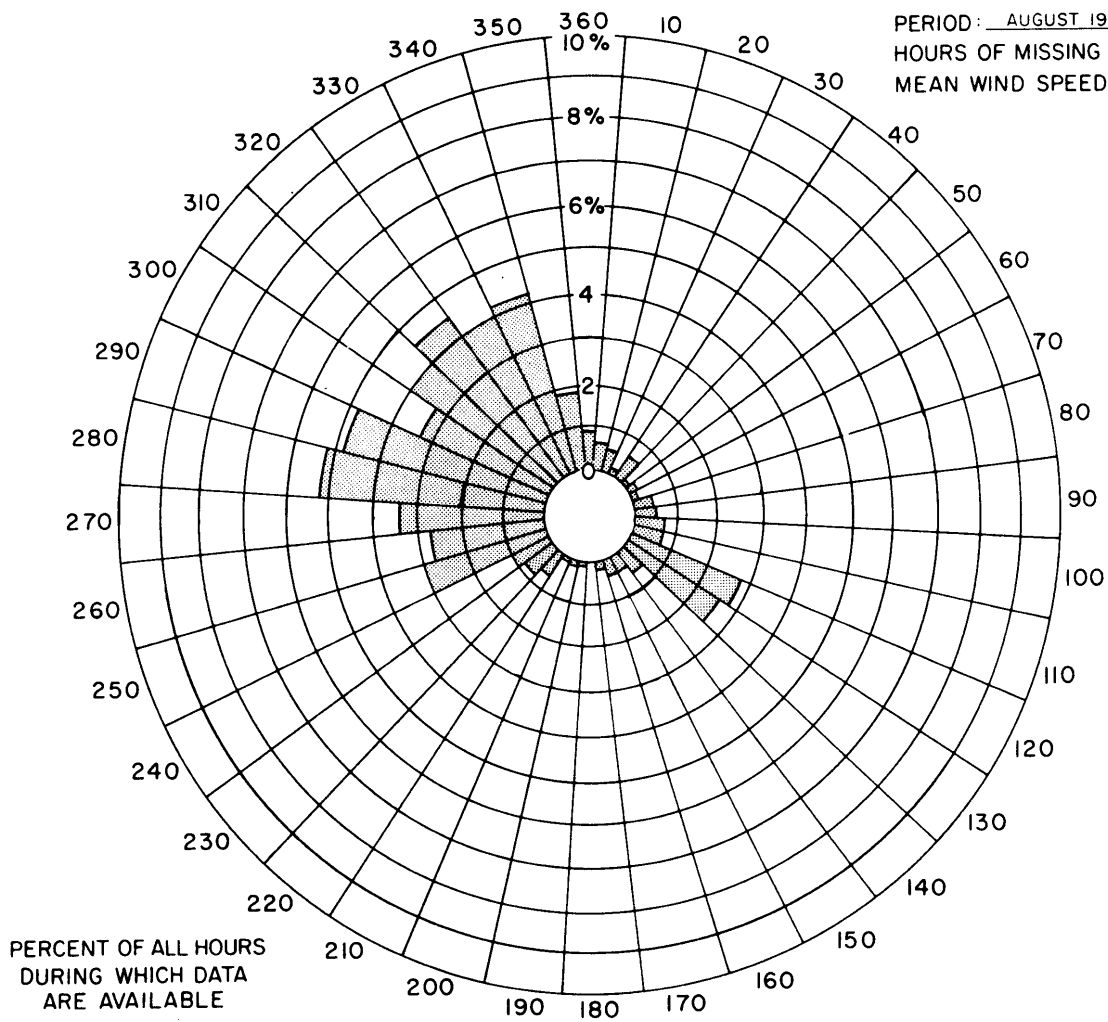
FIGURE 2.3.3



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JUL—AUG—SEP WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W1 (TOWER NO. 1),
NOMINAL 30—FT LEVEL, EL 153 FT
MSL, TURBULENCE CLASS II

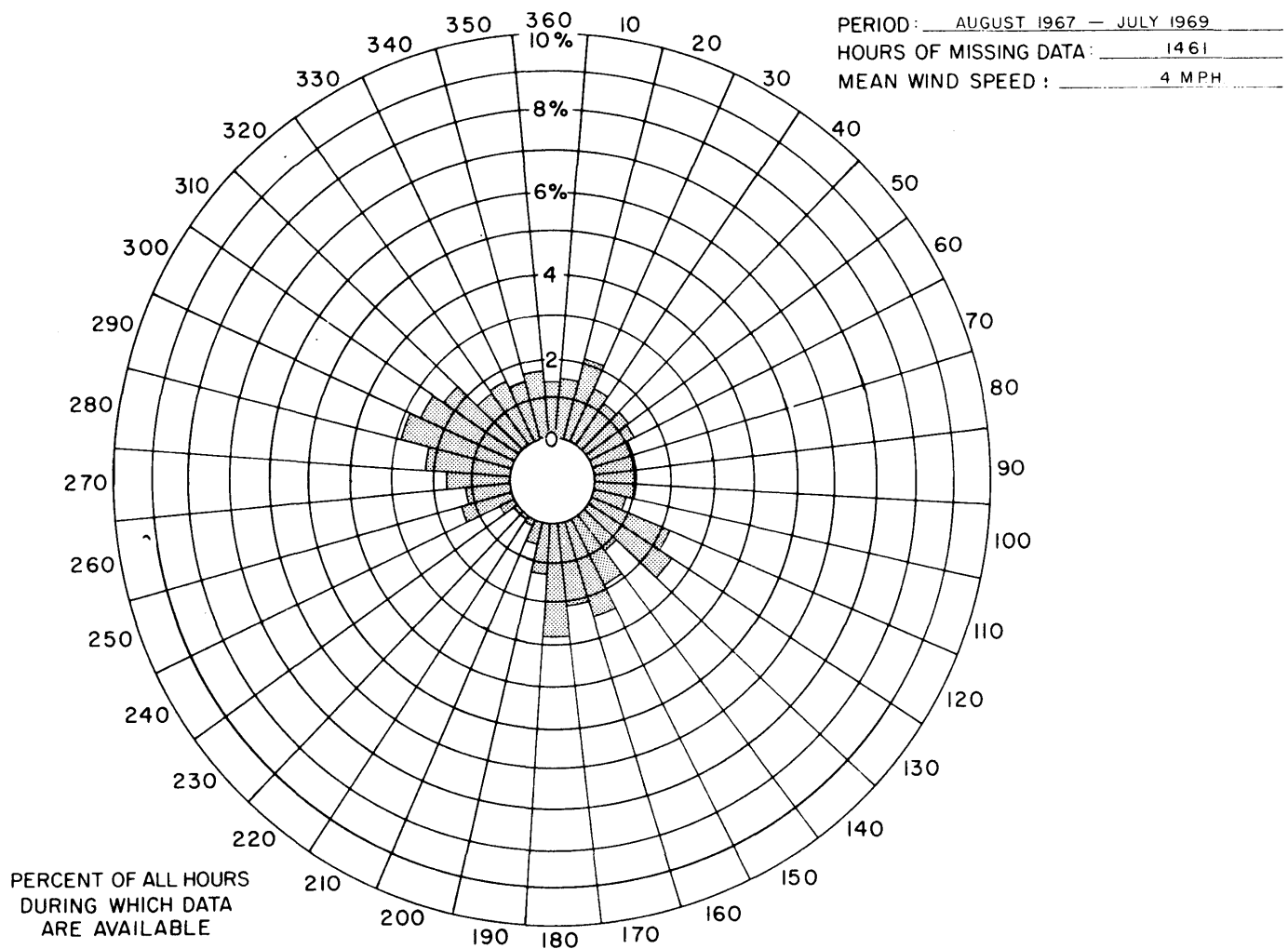
FIGURE 2.3.4



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JAN—FEB—MAR WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W2 (TOWER NO. 1),
NOMINAL 100—FT LEVEL, EL 211 FT
MSL, TURBULENCE CLASS II

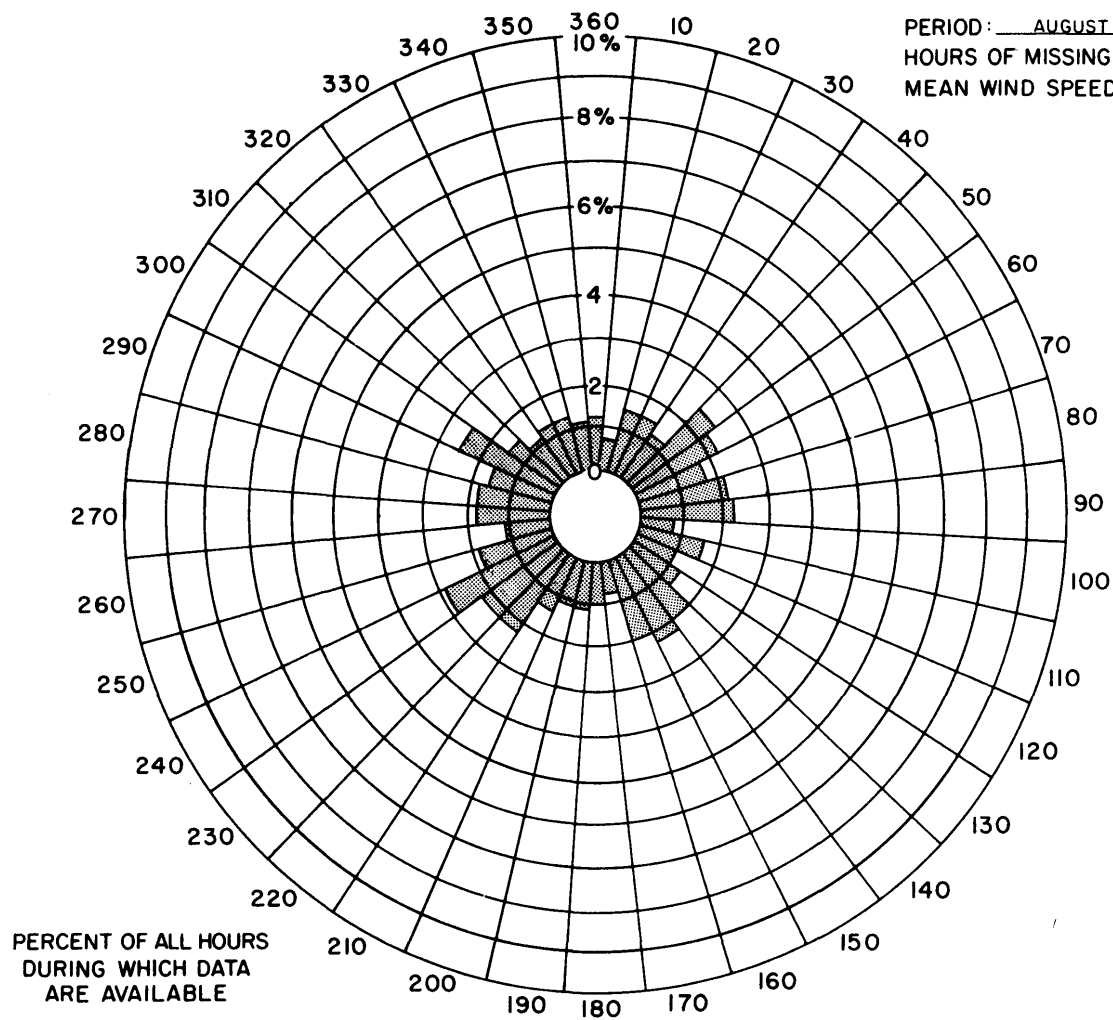
FIGURE 2.3.5



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JUL—AUG—SEP WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W2 (TOWER NO. 1),
NOMINAL 100—FT LEVEL, EL 211 FT
MSL, TURBULENCE CLASS II

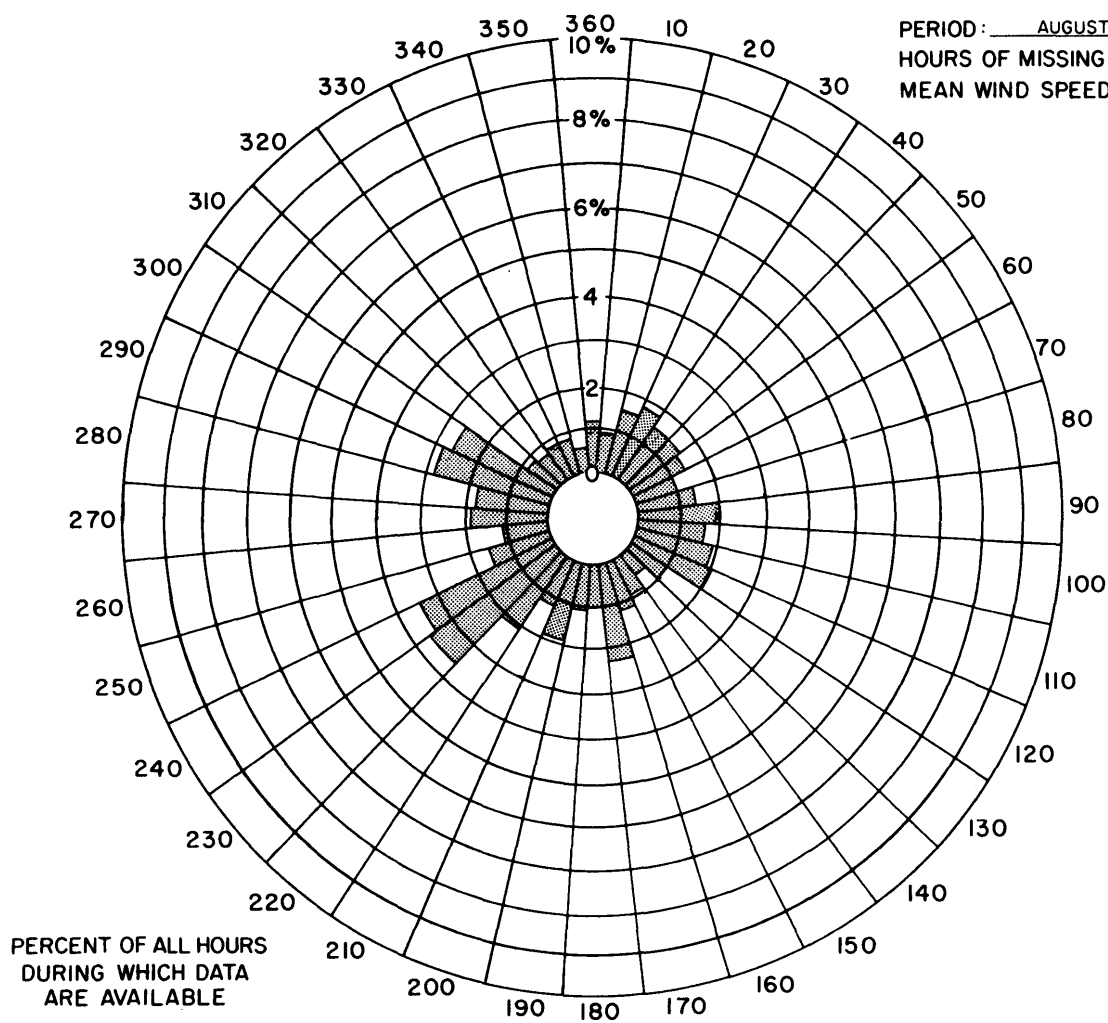
FIGURE 2.3.6



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JAN—FEB—MAR WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W3 (HILL POLE),
NOMINAL 40—FT LEVEL, EL 302 FT
MSL, TURBULENCE CLASS II

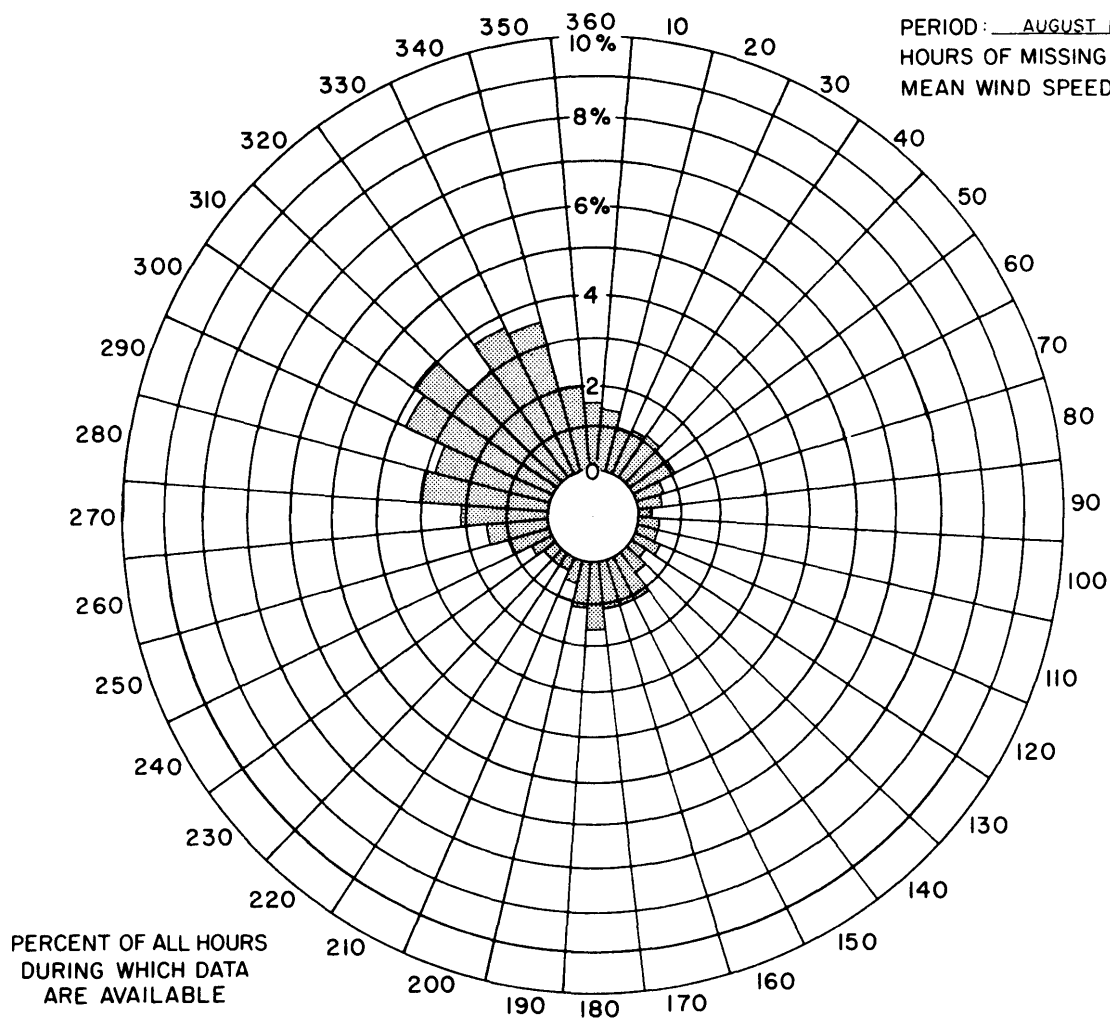
FIGURE 2.3.7



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JUL—AUG—SEP WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W3 (HILL POLE),
NOMINAL 40—FT LEVEL, EL 302 FT
MSL, TURBULENCE CLASS II

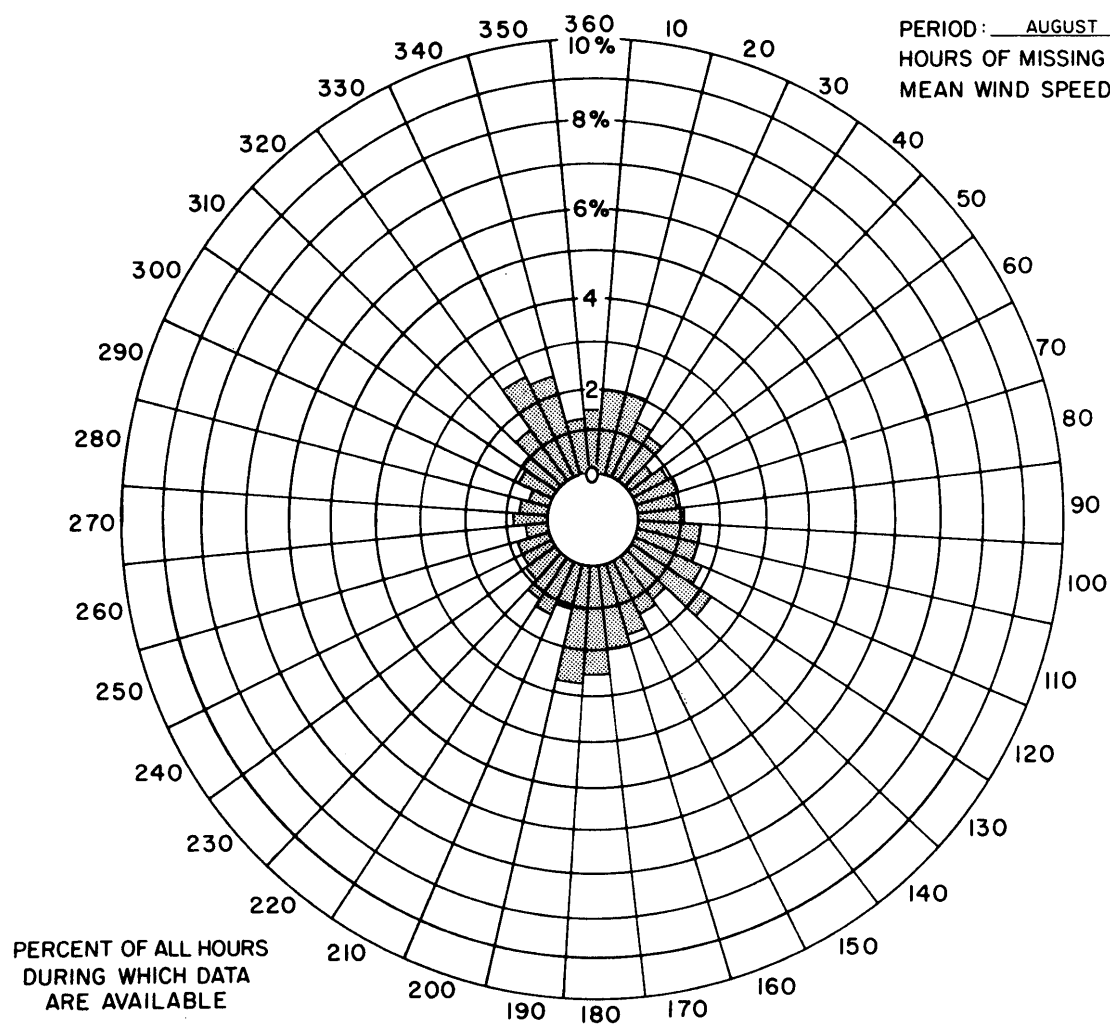
FIGURE 2.3.8



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JAN—FEB—MAR WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 2,
LOCATION W6 (MICROWAVE TOWER),
NOMINAL 320—FT LEVEL, EL 688 FT
MSL, TURBULENCE CLASS II

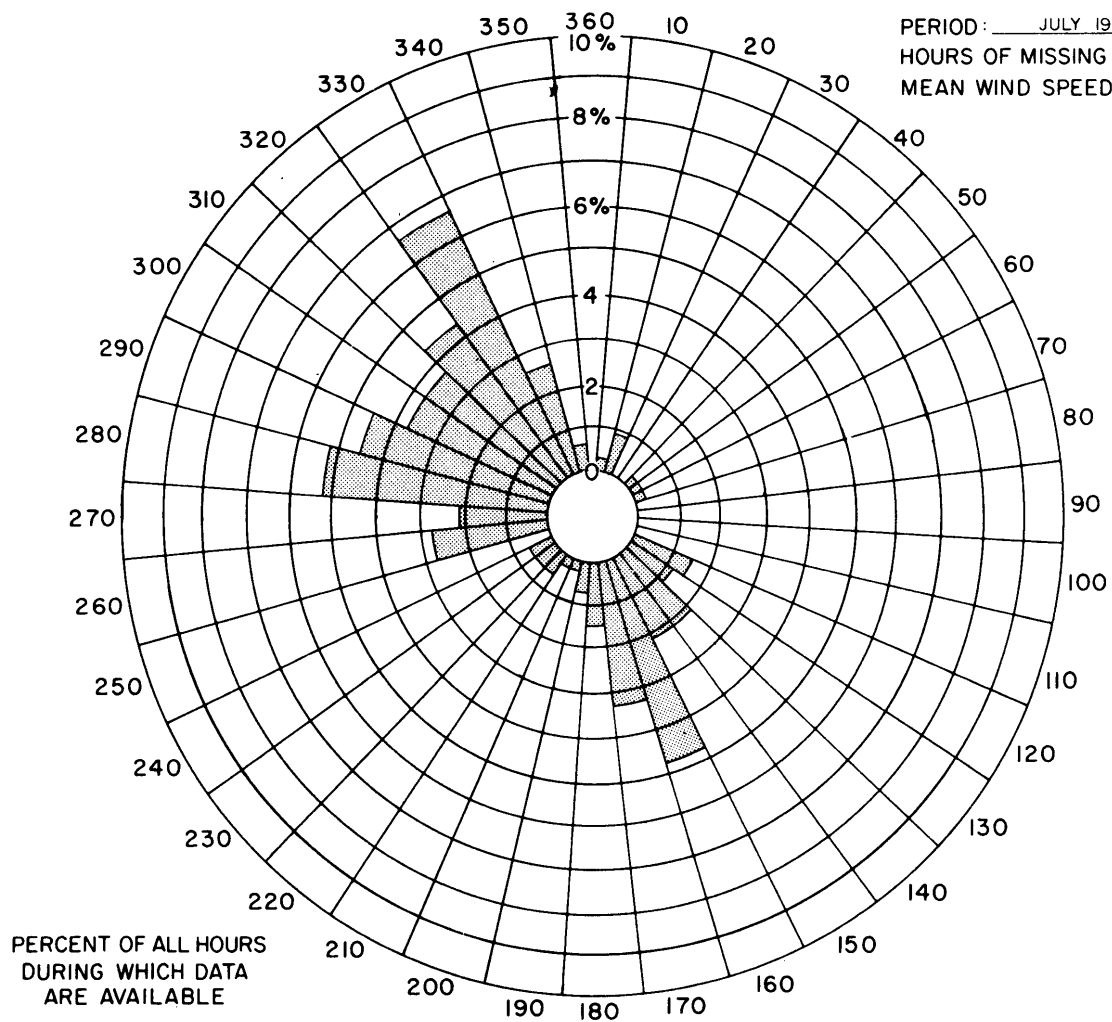
FIGURE 2.3.9



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

**JUL—AUG—SEP WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 2,
LOCATION W6 (MICROWAVE TOWER),
NOMINAL 320—FT LEVEL, EL 688 FT
MSL, TURBULENCE CLASS II**

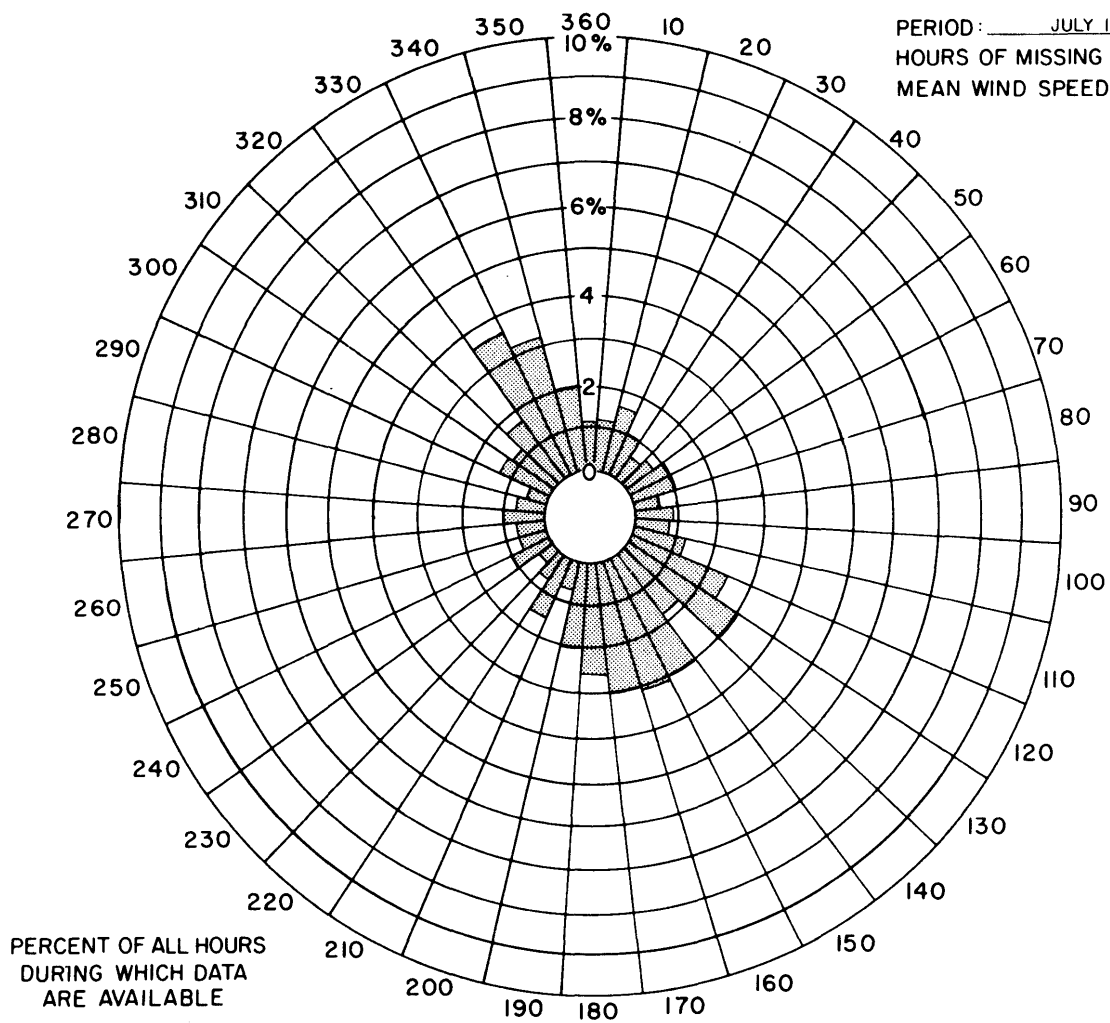
FIGURE 2.3.10



**PHILADELPHIA ELECTRIC COMPANY
 PEACH BOTTOM ATOMIC POWER STATION
 UNITS 2 AND 3
 UPDATED FINAL SAFETY ANALYSIS REPORT**

JAN—FEB—MAR WIND ROSE, PEACH
 BOTTOM WEATHER STATION NO. 2,
 LOCATION W7 (RIVER TOWER),
 NOMINAL 50—FT LEVEL, EL 164 FT
 MSL, TURBULENCE CLASS II

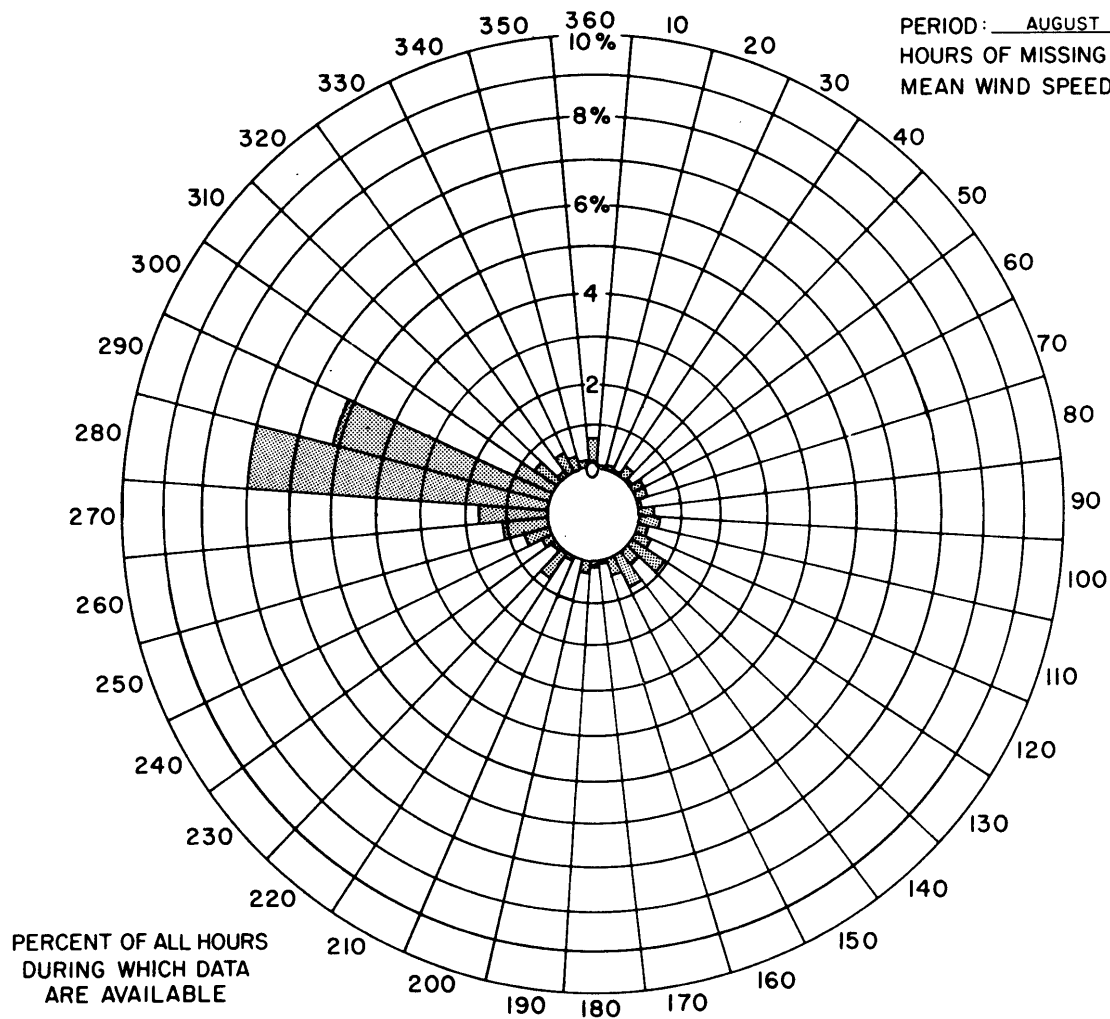
FIGURE 2.3.11



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

**JUL—AUG—SEP WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 2,
LOCATION W7 (RIVER TOWER),
NOMINAL 50—FT LEVEL, EL 164 FT
MSL, TURBULENCE CLASS II**

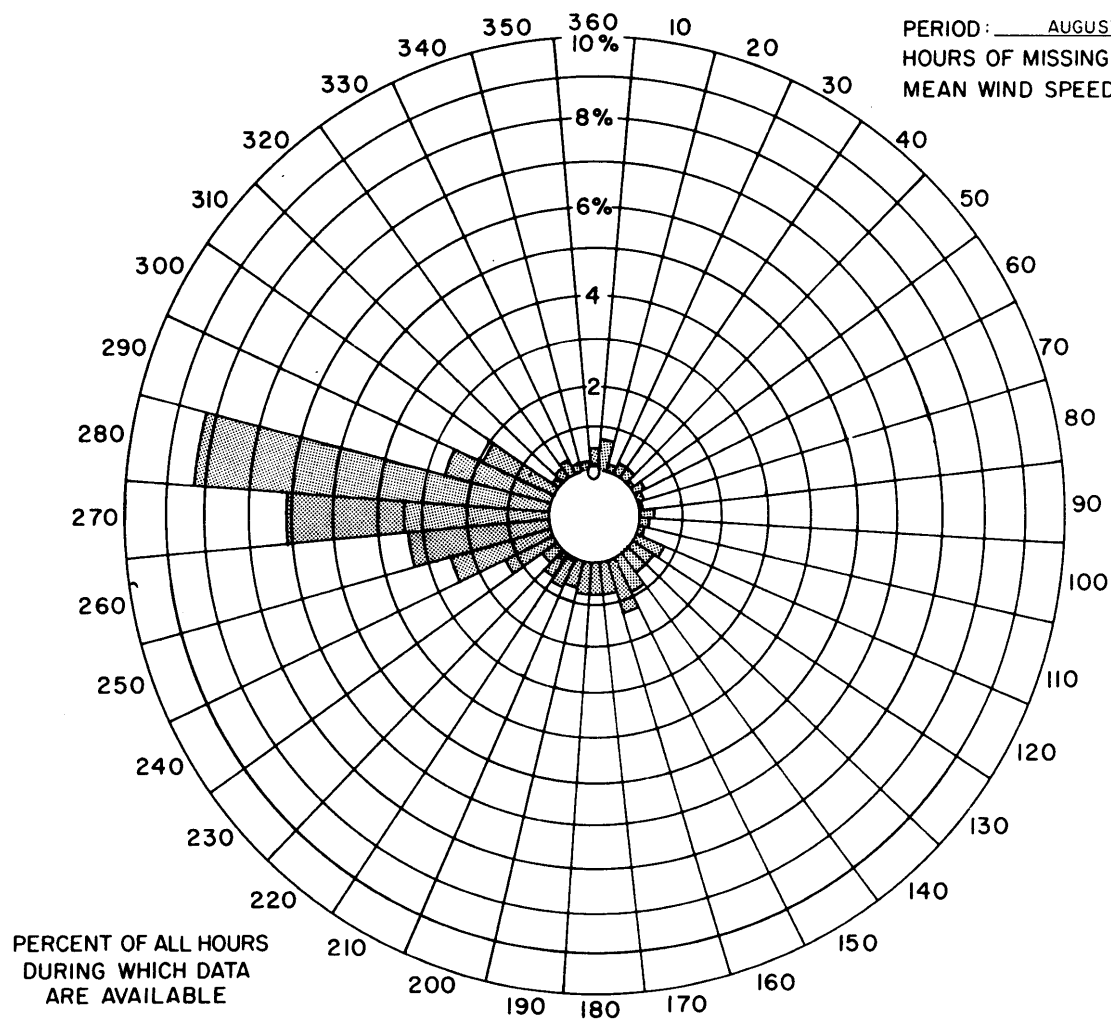
FIGURE 2.3.12



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JAN—FEB—MAR WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W1 (TOWER NO. 1),
NOMINAL 30—FT LEVEL, EL 153 FT
MSL, TURBULENCE CLASS V

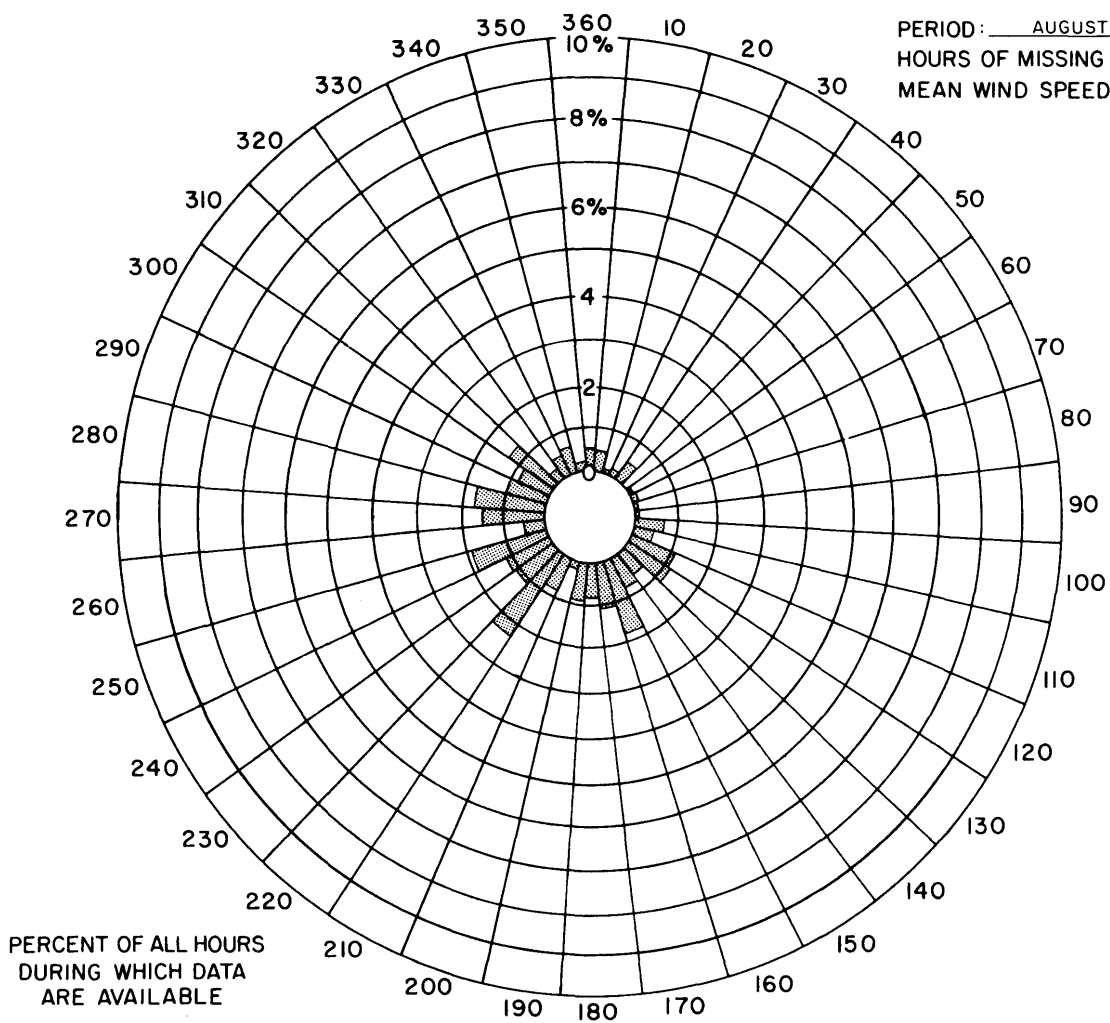
FIGURE 2.3.13



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JUL—AUG—SEP WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W1 (TOWER NO. 1),
NOMINAL 30—FT LEVEL, EL 153 FT
MSL, TURBULENCE CLASS V

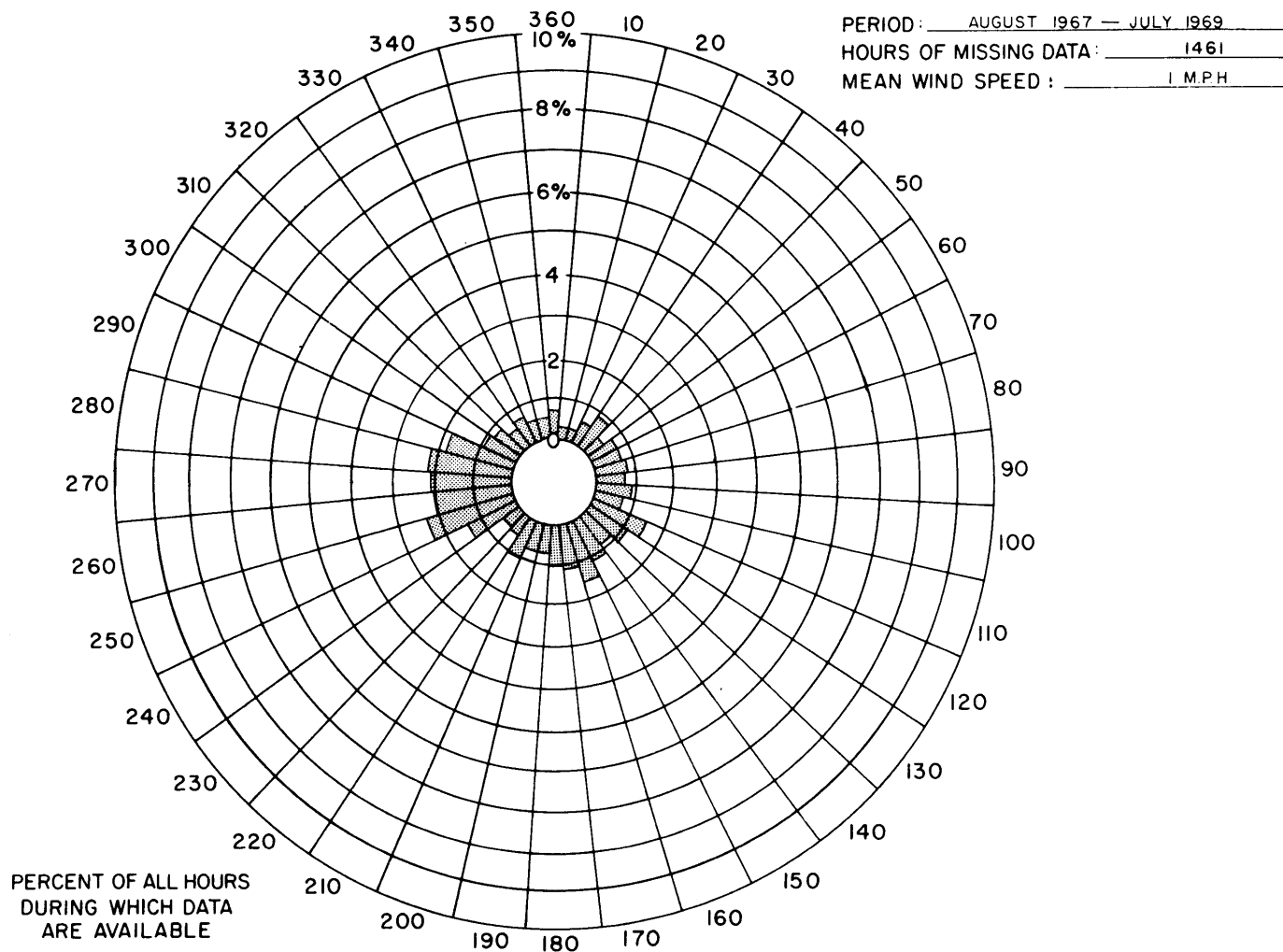
FIGURE 2.3.14



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JAN—FEB—MAR WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W2 (TOWER NO. 1),
NOMINAL 100—FT LEVEL, EL 211 FT
MSL, TURBULENCE CLASS V

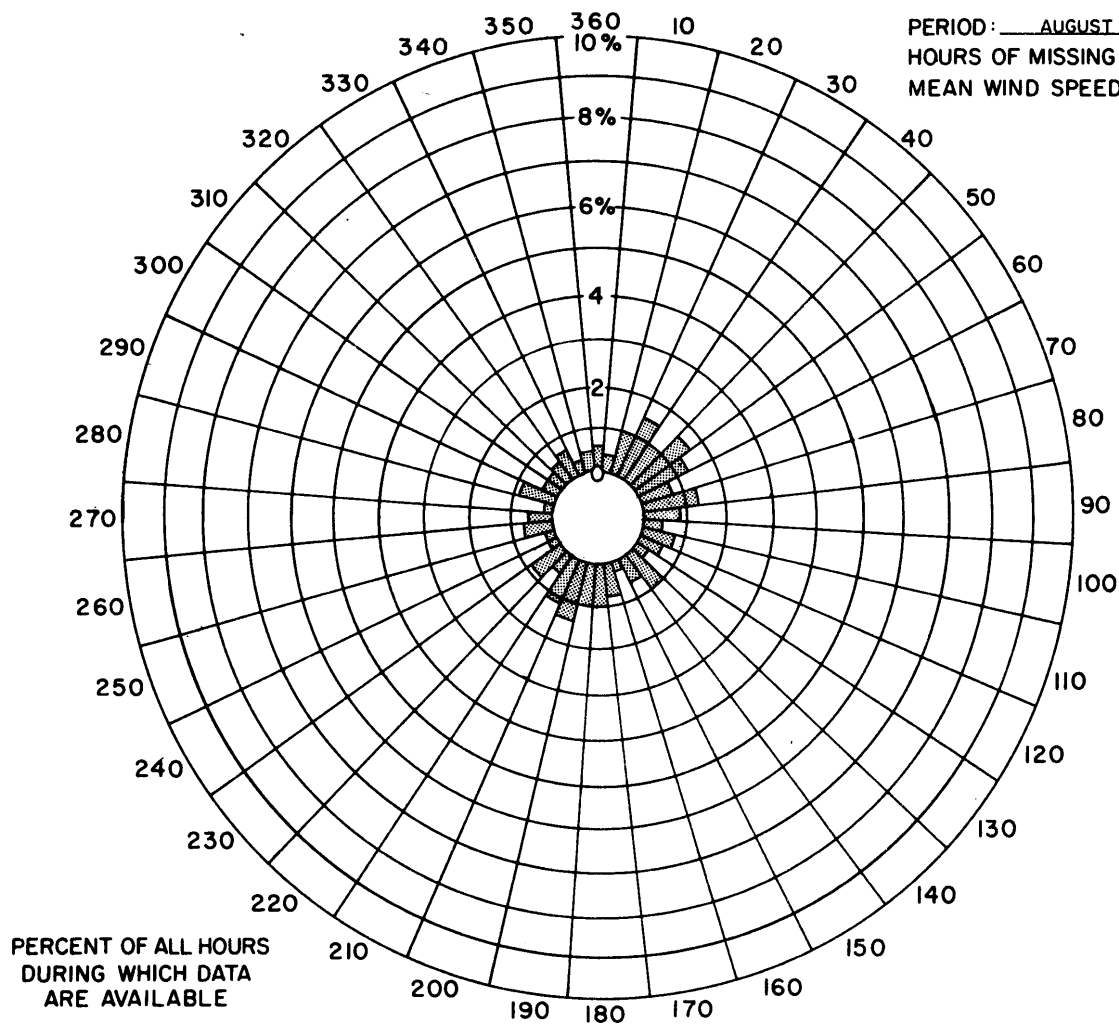
FIGURE 2.3.15



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JUL—AUG—SEP WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W2 (TOWER NO. 1),
NOMINAL 100—FT LEVEL, EL 211 FT
MSL, TURBULENCE CLASS V

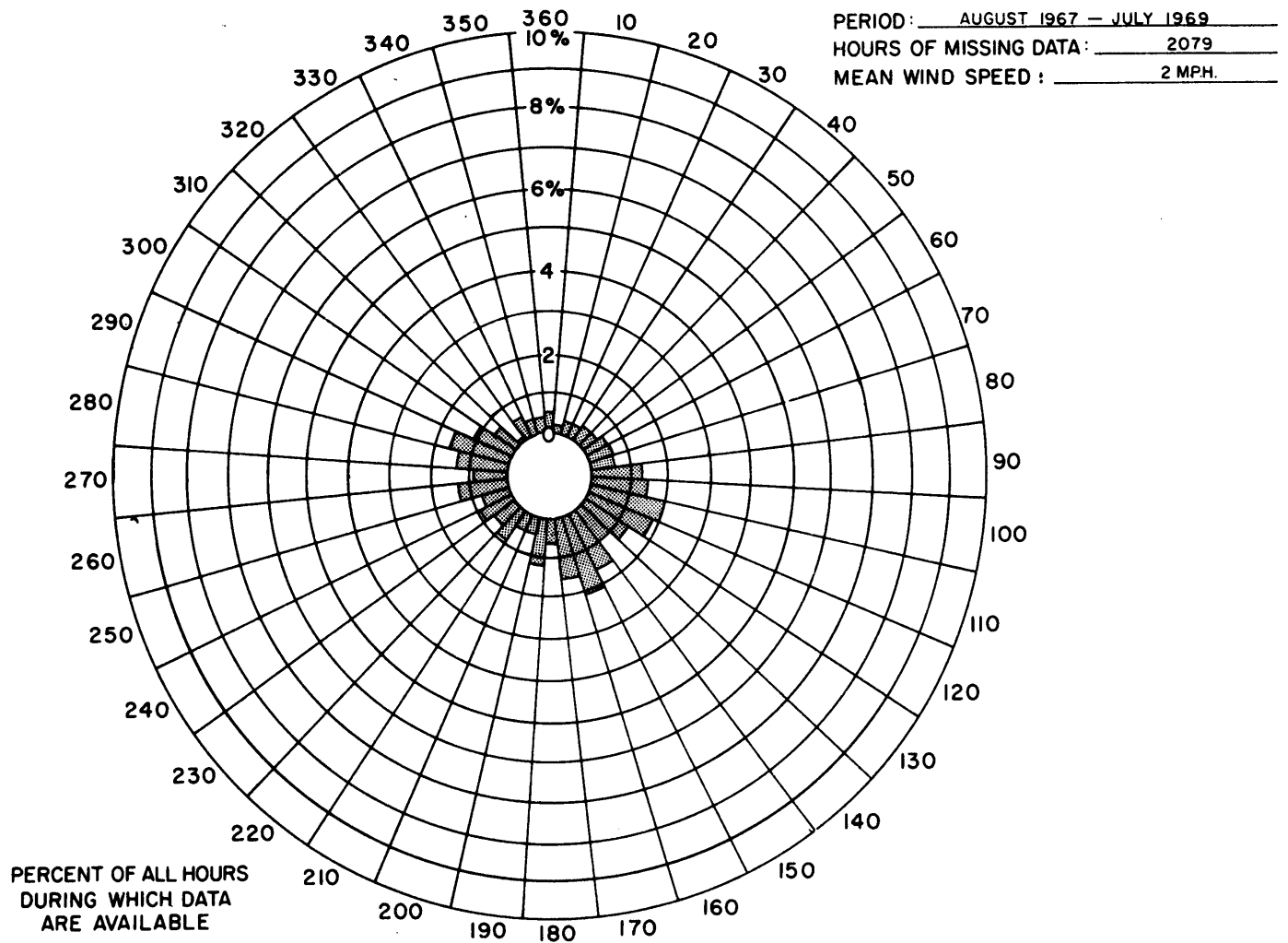
FIGURE 2.3.16



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JAN—FEB—MAR WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W3 (HILL POLE), NOMINAL
40—FT LEVEL, EL 302 FT MSL,
TURBULENCE CLASS V

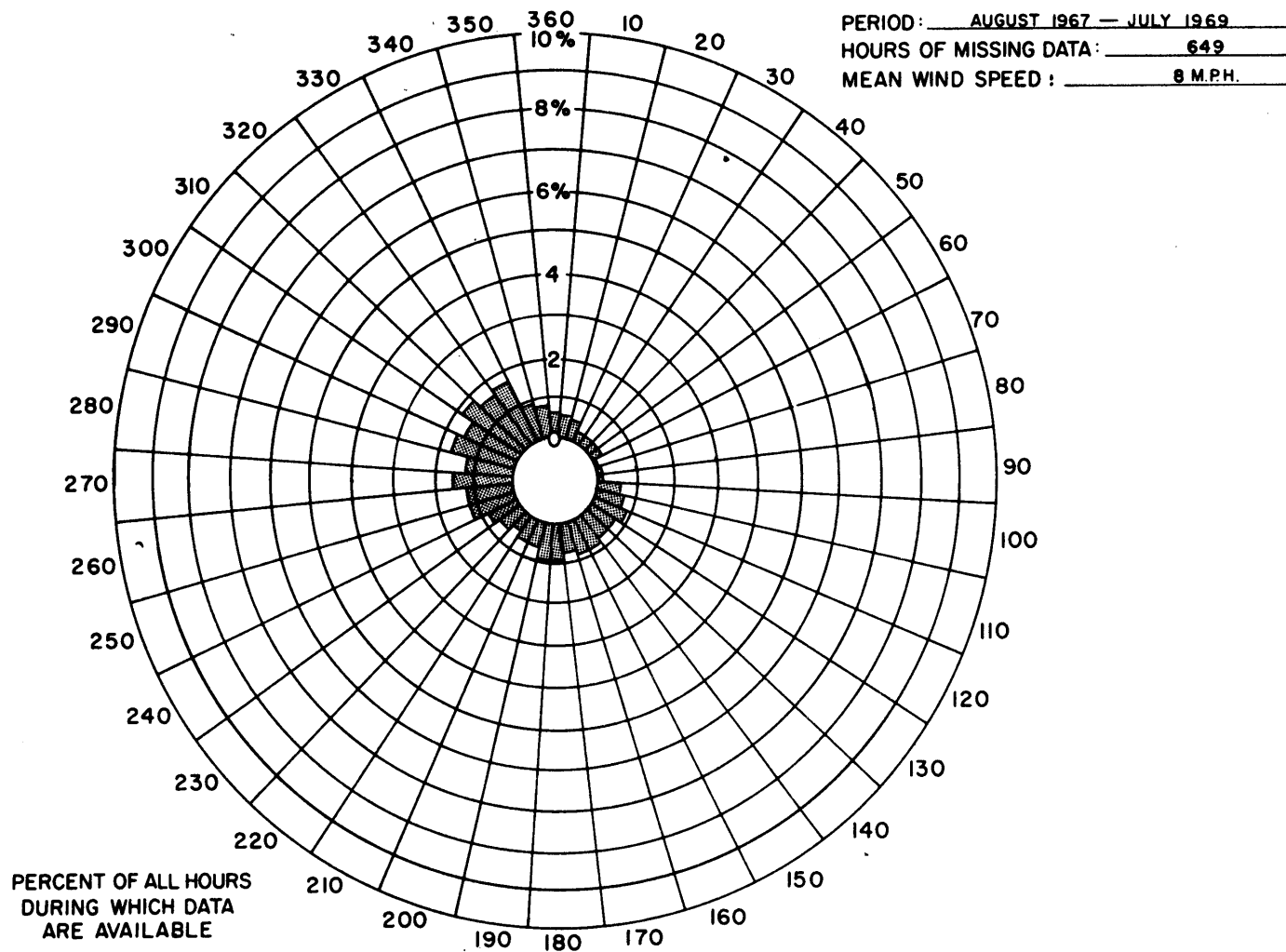
FIGURE 2.3.17



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

**JUL—AUG—SEP WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 1,
LOCATION W3 (HILL POLE), NOMINAL
40—FT LEVEL, EL 302 FT MSL,
TURBULENCE CLASS V**

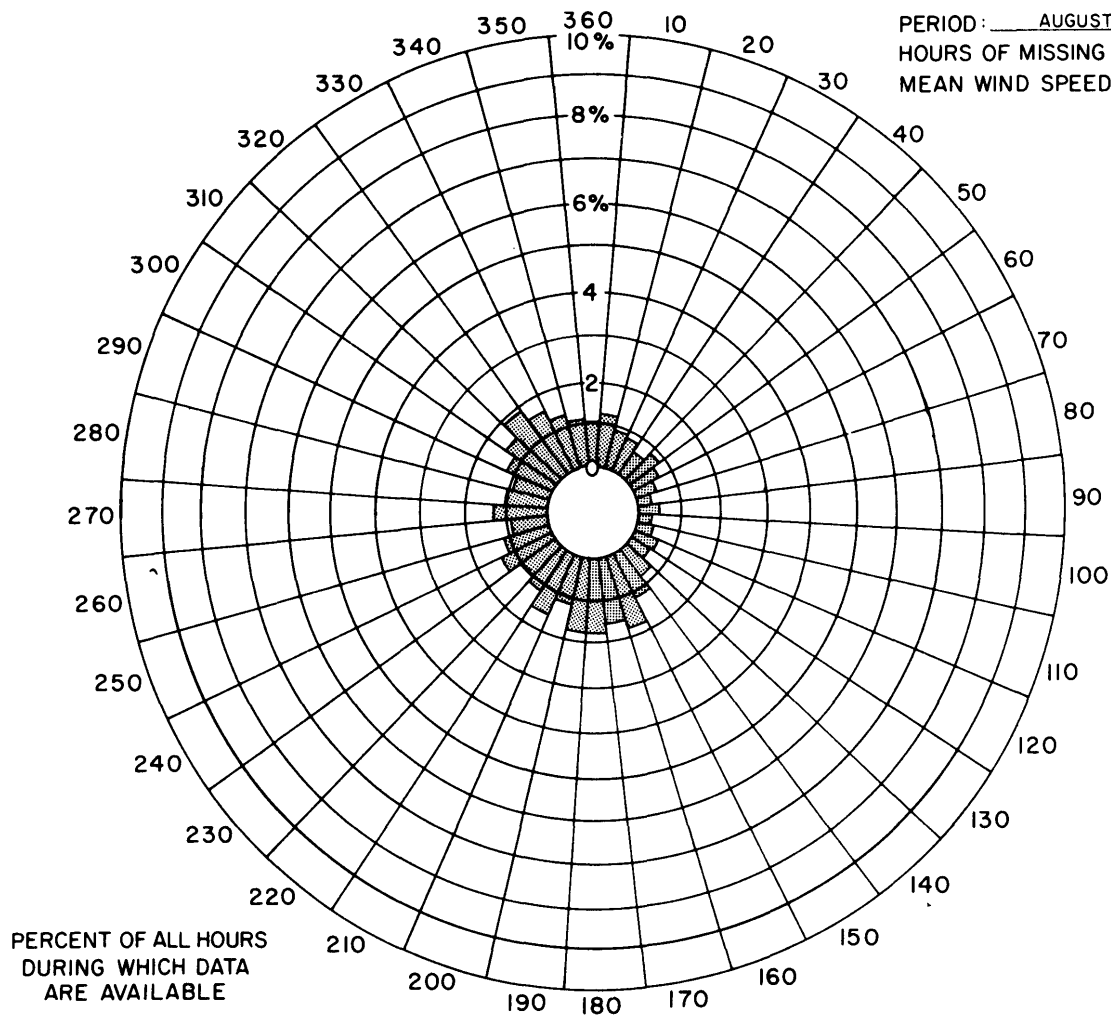
FIGURE 2.3.18



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

**JAN—FEB—MAR WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 2,
LOCATION W6 (MICROWAVE TOWER),
NOMINAL 320—FT LEVEL, EL 688 FT
MSL, TURBULENCE CLASS V**

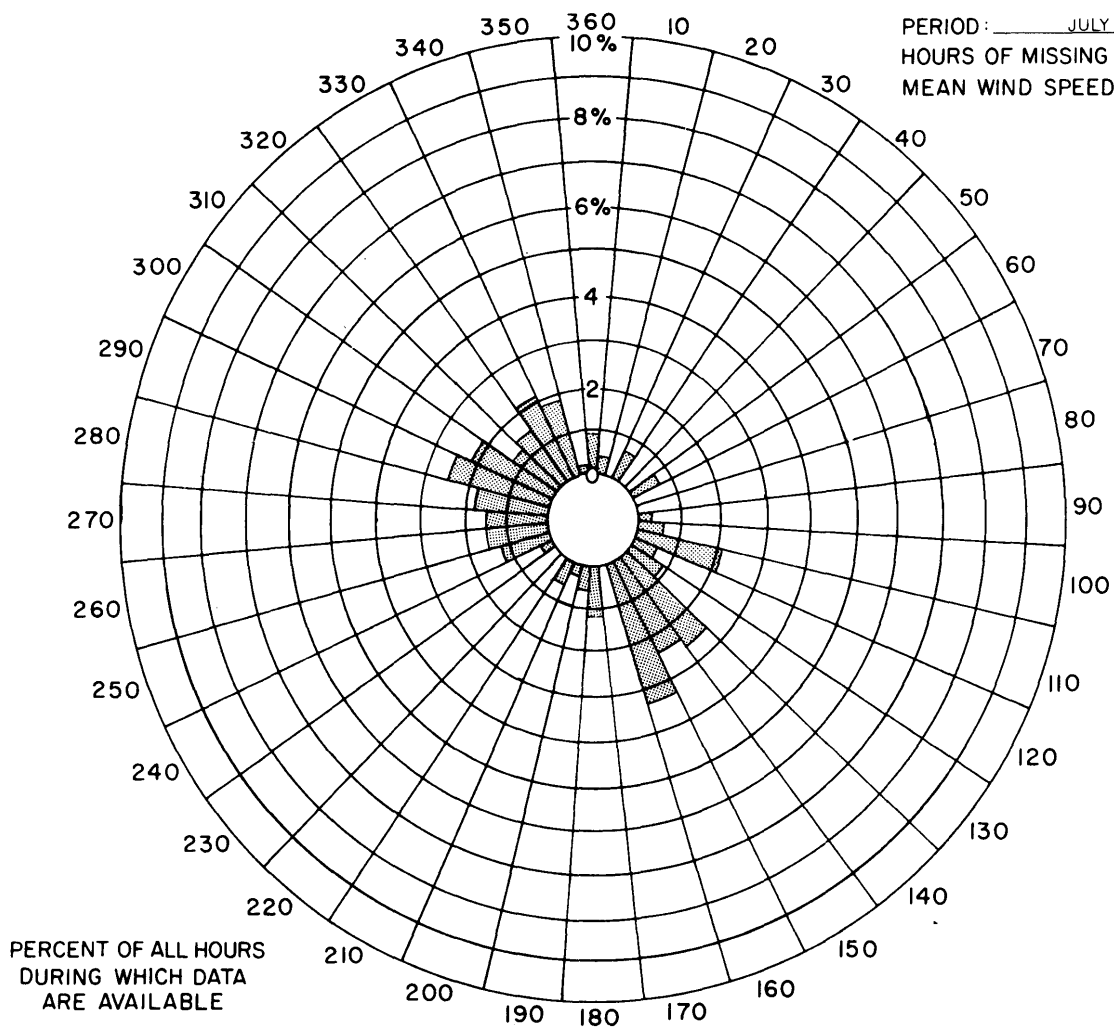
FIGURE 2.3.19



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JUL—AUG—SEP WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 2,
LOCATION W6 (MICROWAVE TOWER),
NOMINAL 320—FT LEVEL, EL 688 FT
MSL, TURBULENCE CLASS V

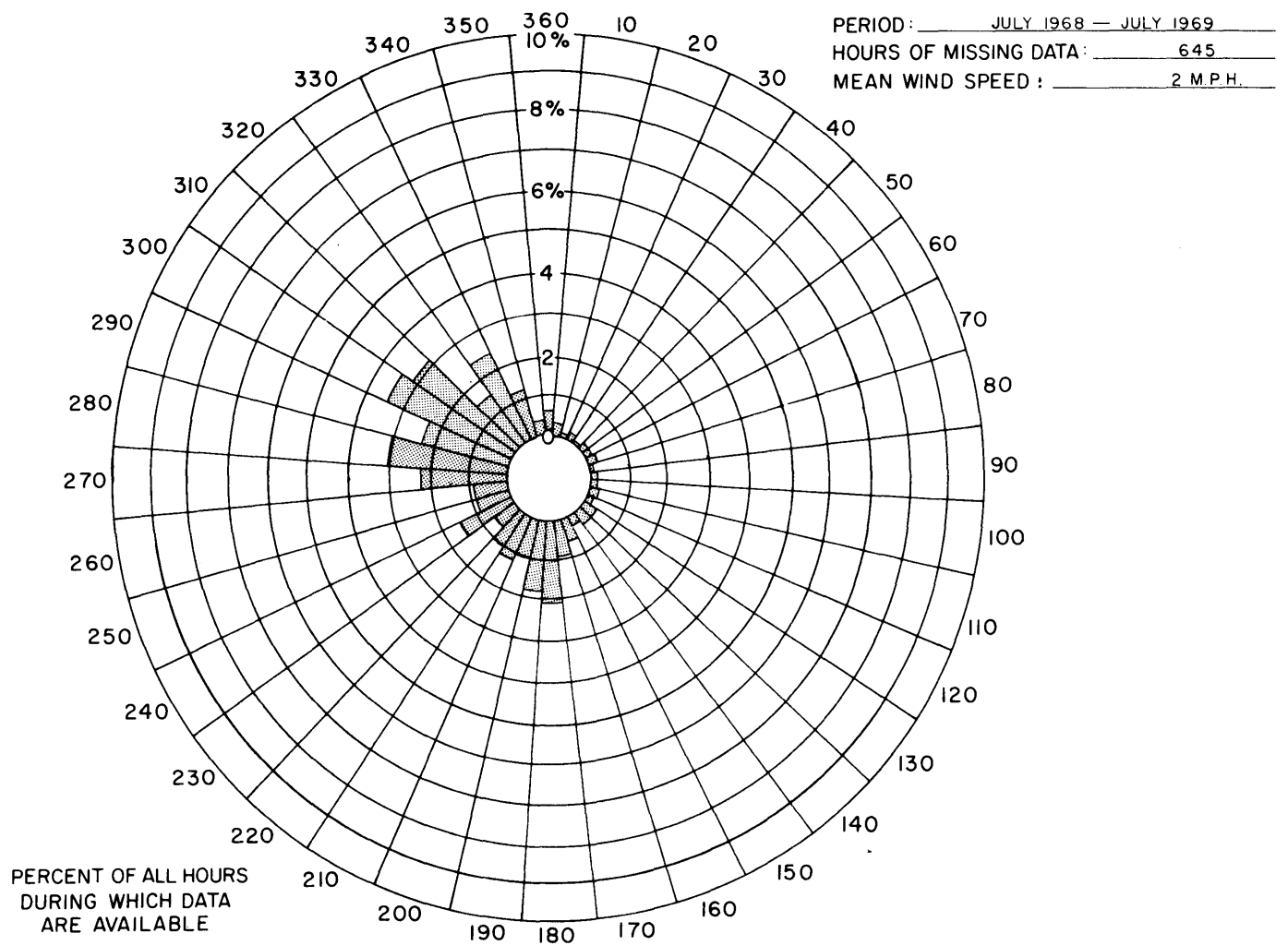
FIGURE 2.3.20



**PHILADELPHIA ELECTRIC COMPANY
 PEACH BOTTOM ATOMIC POWER STATION
 UNITS 2 AND 3
 UPDATED FINAL SAFETY ANALYSIS REPORT**

JAN—FEB—MAR WIND ROSE, PEACH
 BOTTOM WEATHER STATION NO. 2,
 LOCATION W7 (RIVER TOWER),
 NOMINAL 50—FT LEVEL, EL 164 FT
 MSL, TURBULENCE CLASS V

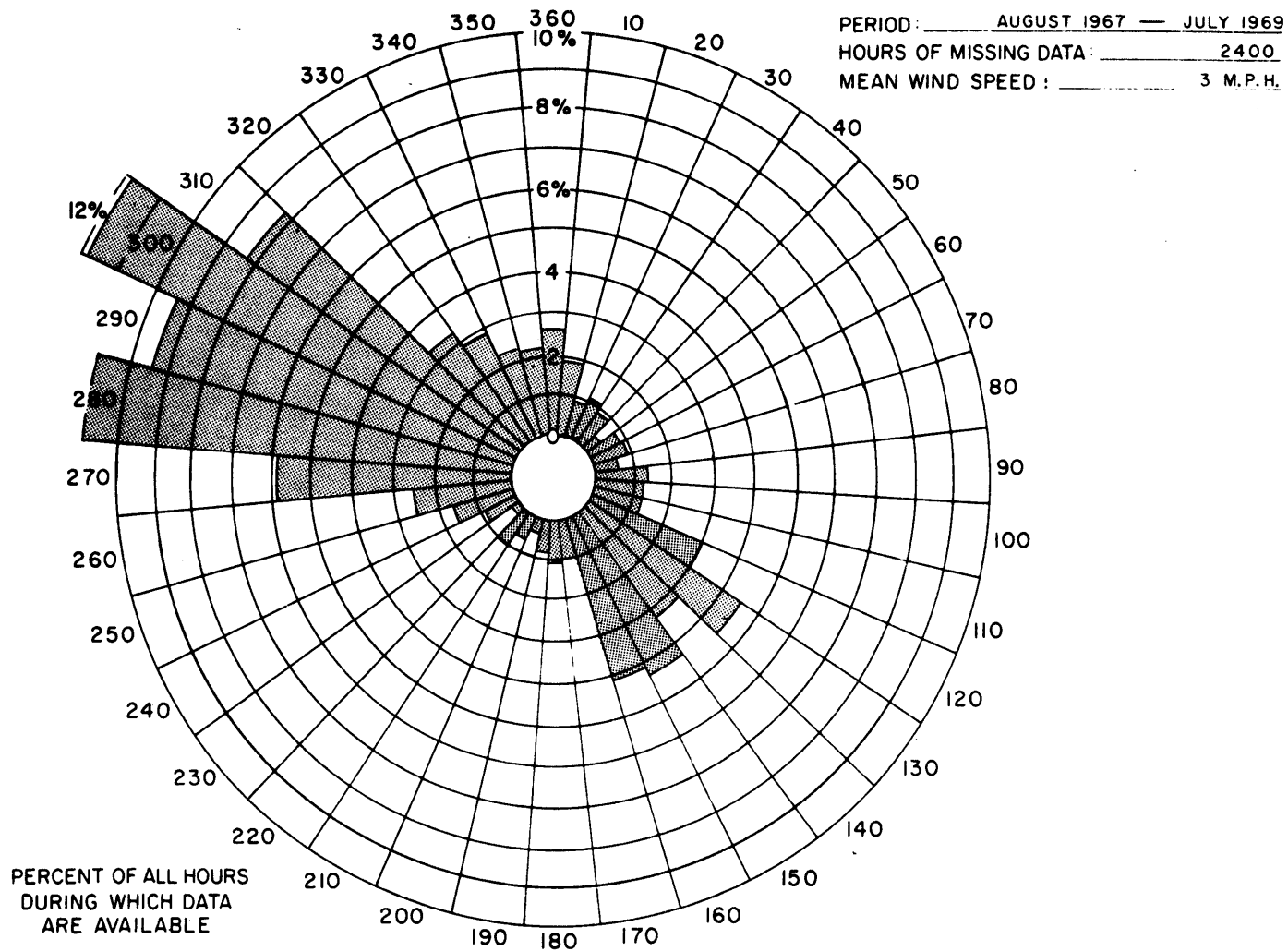
FIGURE 2.3.21



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

JUL—AUG—SEP WIND ROSE, PEACH
BOTTOM WEATHER STATION NO. 2,
LOCATION W7 (RIVER TOWER),
NOMINAL 50—FT LEVEL, EL 164 FT
MSL, TURBULENCE CLASS V

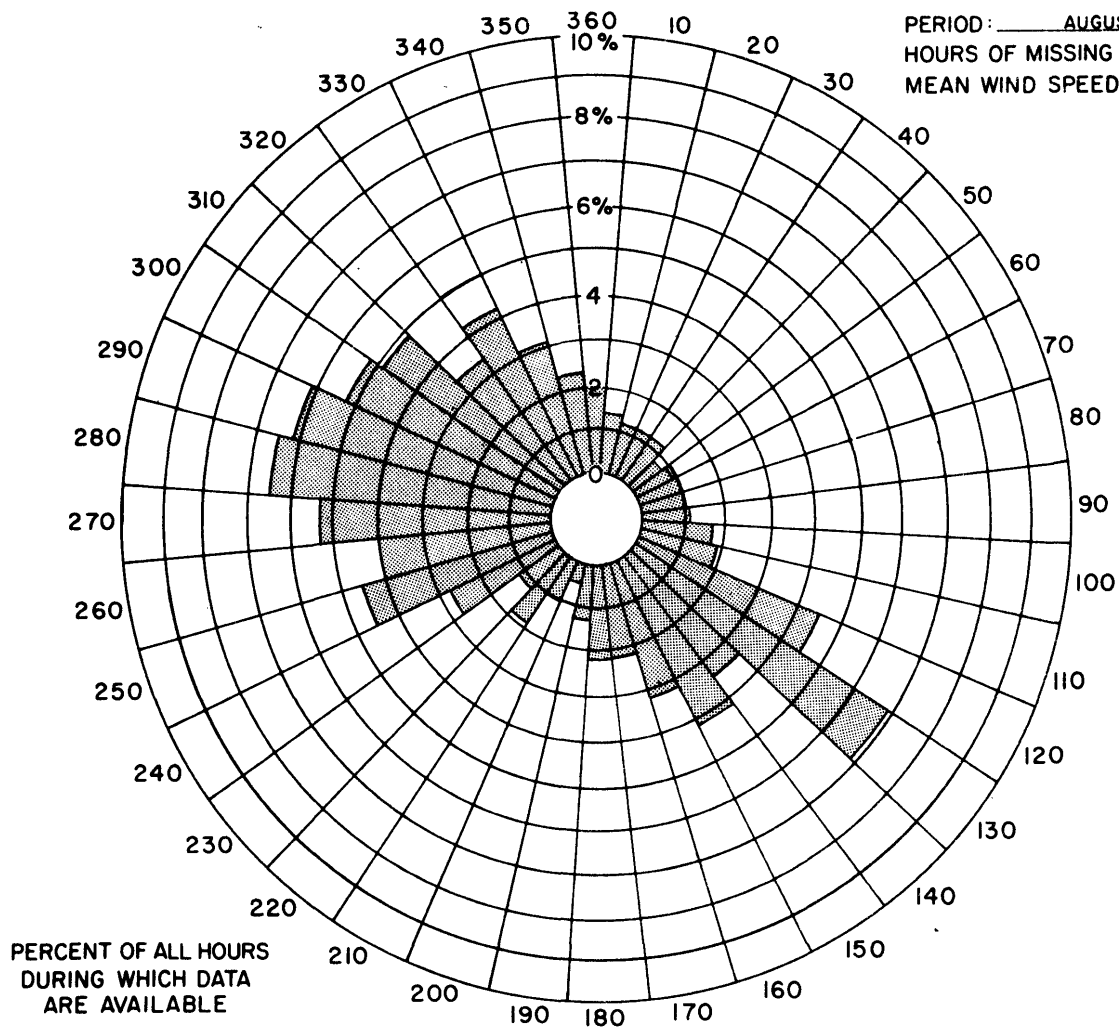
FIGURE 2.3.22



**PHILADELPHIA ELECTRIC COMPANY
 PEACH BOTTOM ATOMIC POWER STATION
 UNITS 2 AND 3
 UPDATED FINAL SAFETY ANALYSIS REPORT**

**ANNUAL WIND ROSE, PEACH BOTTOM
 WEATHER STATION NO. 1, LOCATION W1
 (TOWER NO. 1), NOMINAL 30—FT LEVEL,
 EL 153 FT MSL, ALL TURBULENCE CLASSES**

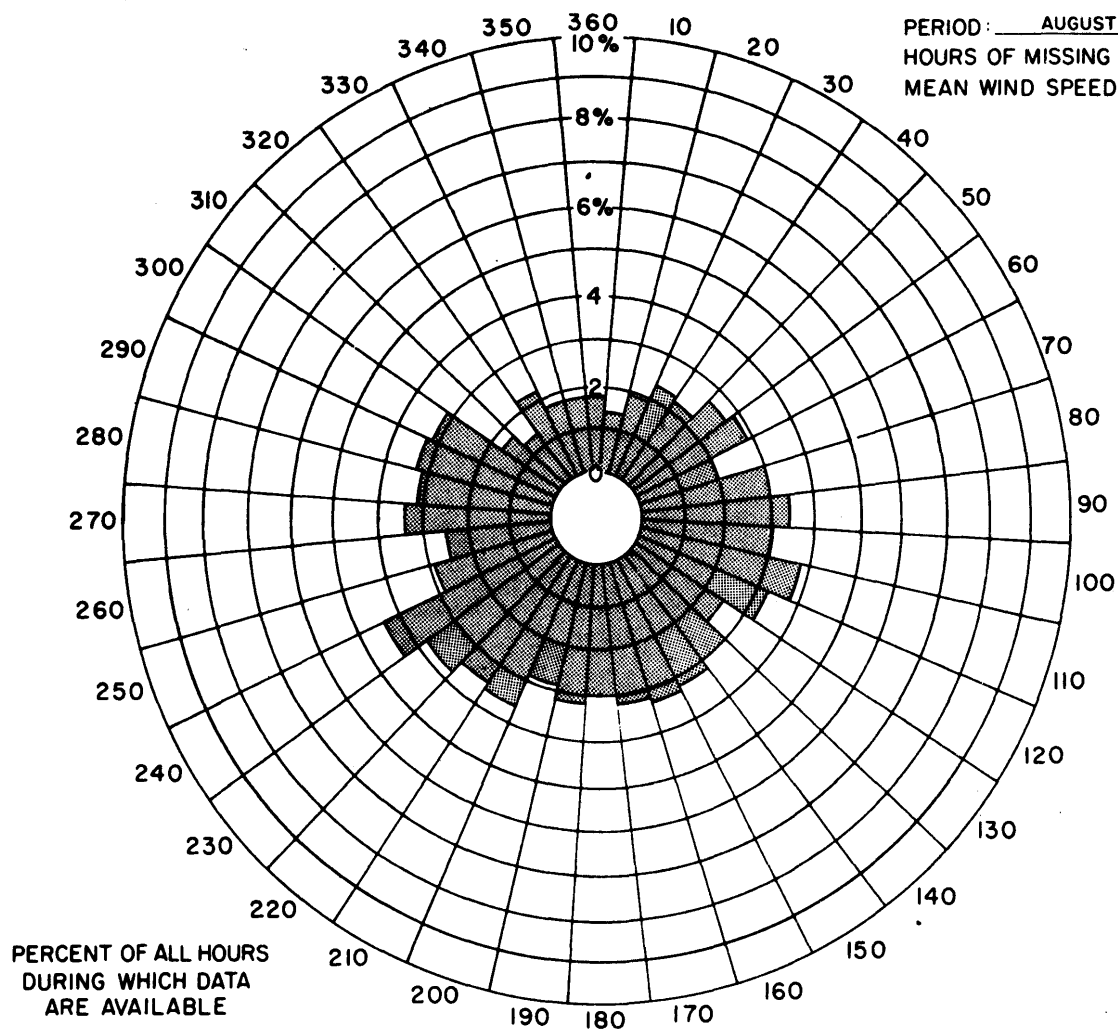
FIGURE 2.3.23



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

**ANNUAL WIND ROSE, PEACH BOTTOM
WEATHER STATION NO. 1, LOCATION W2
(TOWER NO. 1), NOMINAL 100—FT LEVEL,
EL 211 FT MSL, ALL TURBULENCE CLASSES**

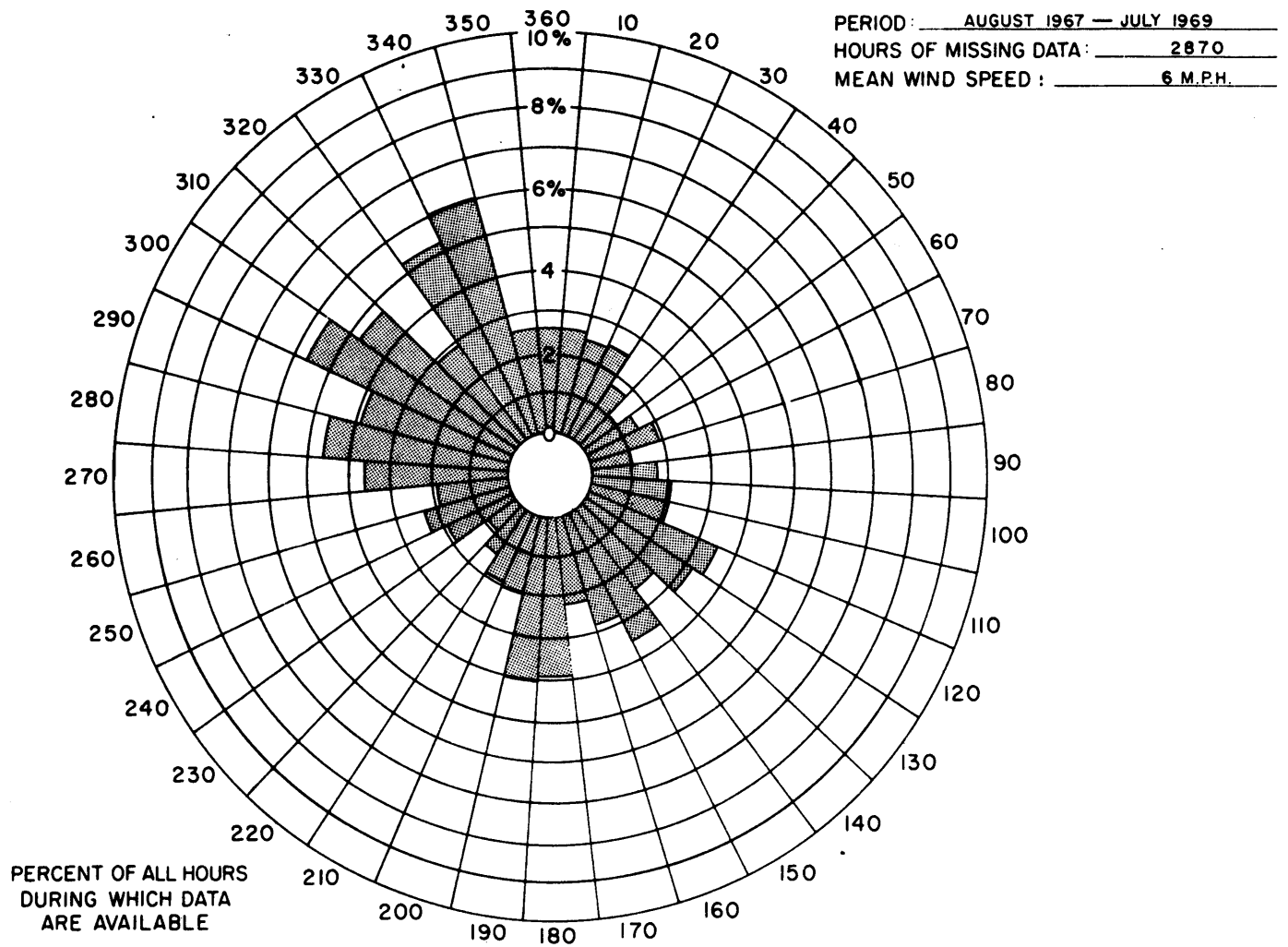
FIGURE 2.3.24



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

**ANNUAL WIND ROSE, PEACH BOTTOM
WEATHER STATION NO. 1, LOCATION W3
(HILL POLE), NOMINAL 40—FT. LEVEL,
EL 302 FT MSL, ALL TURBULENCE CLASSES**

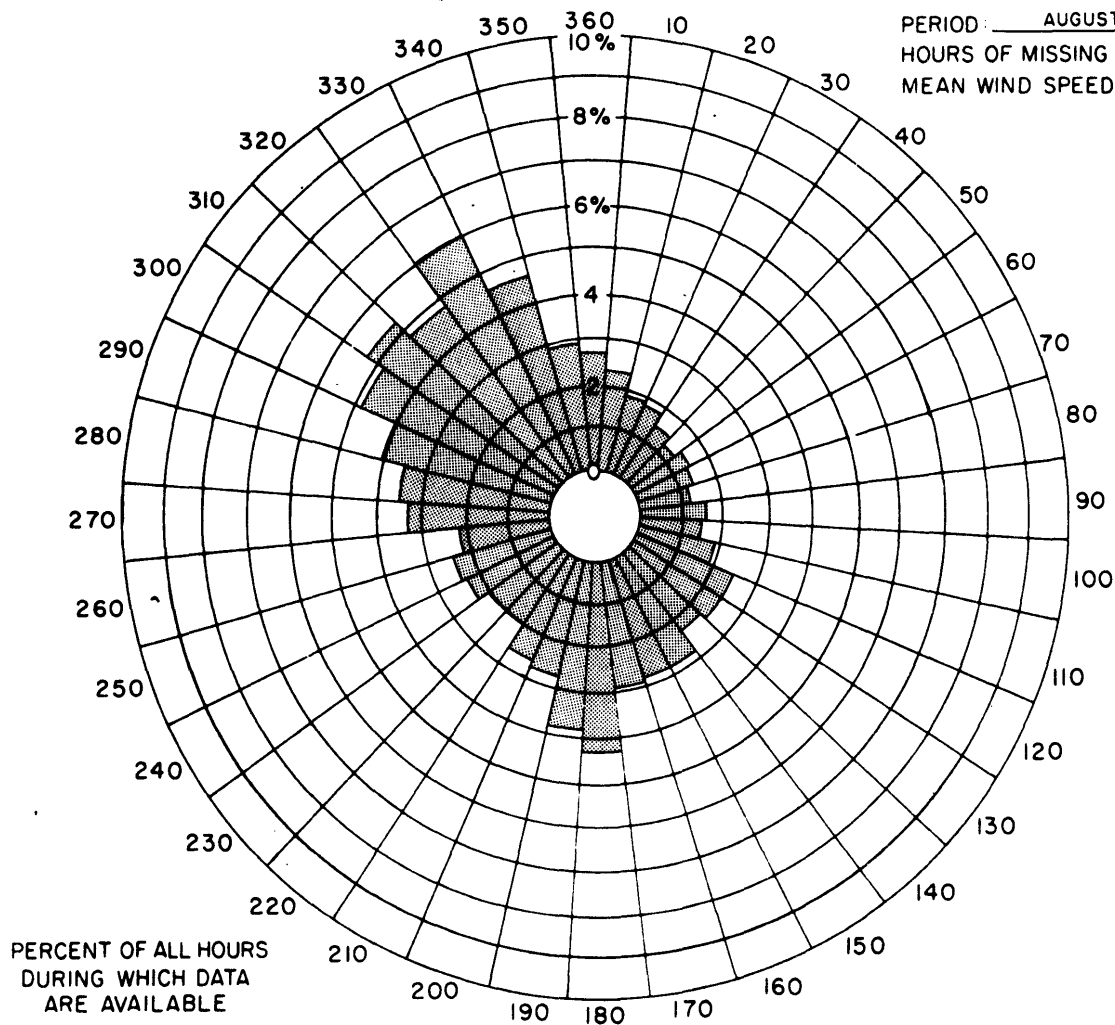
FIGURE 2.3.25



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

**ANNUAL WIND ROSE, PEACH BOTTOM
WEATHER STATION NO. 2, LOCATION W4
(MICROWAVE TOWER), NOMINAL 75—FT LEVEL,
EL 443 FT MSL, ALL TURBULENCE CLASSES**

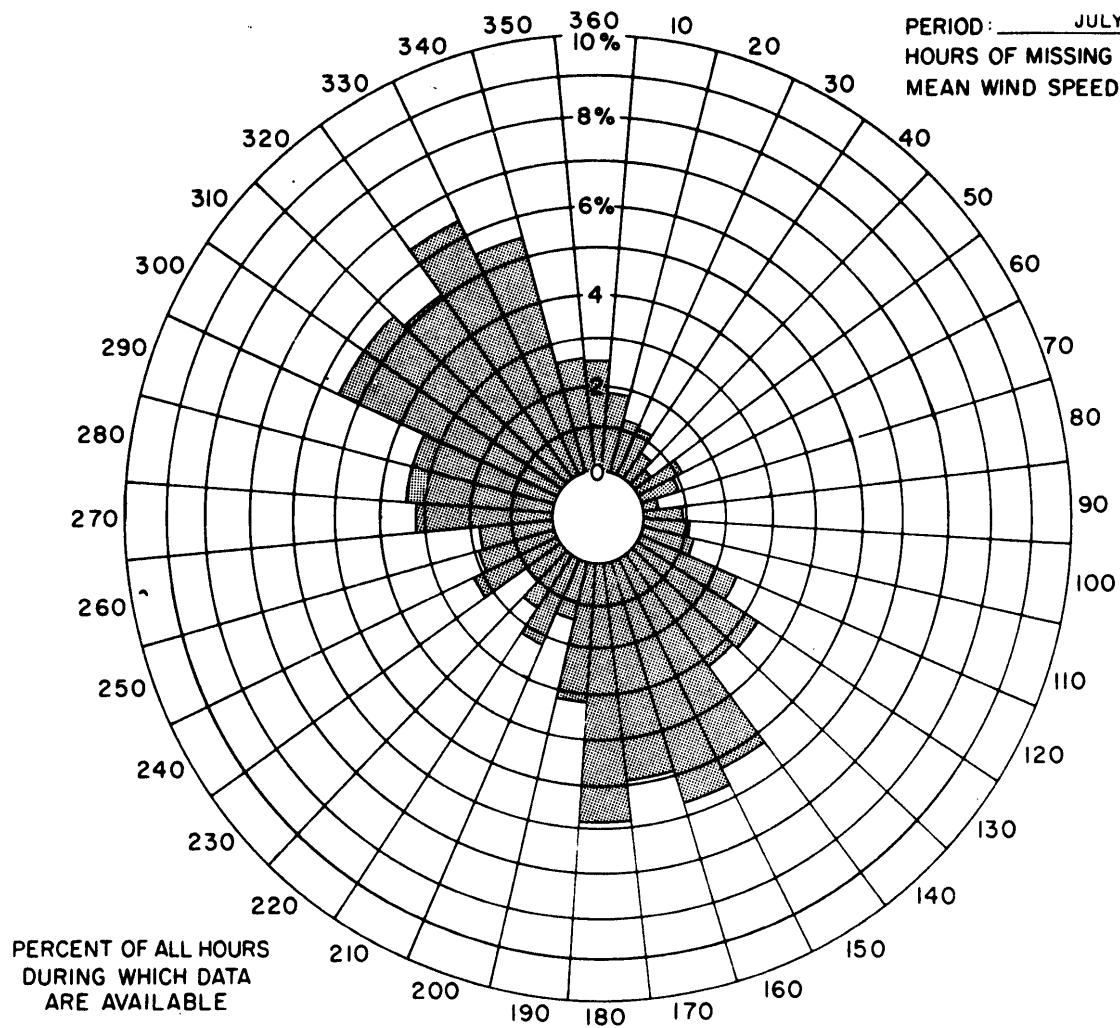
FIGURE 2.3.26



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
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**ANNUAL WIND ROSE, PEACH BOTTOM
WEATHER STATION NO. 2,
LOCATION W6 (MICROWAVE TOWER),
NOMINAL 320-FT LEVEL, EL 688 FT MSL,
ALL TURBULENCE CLASSES**

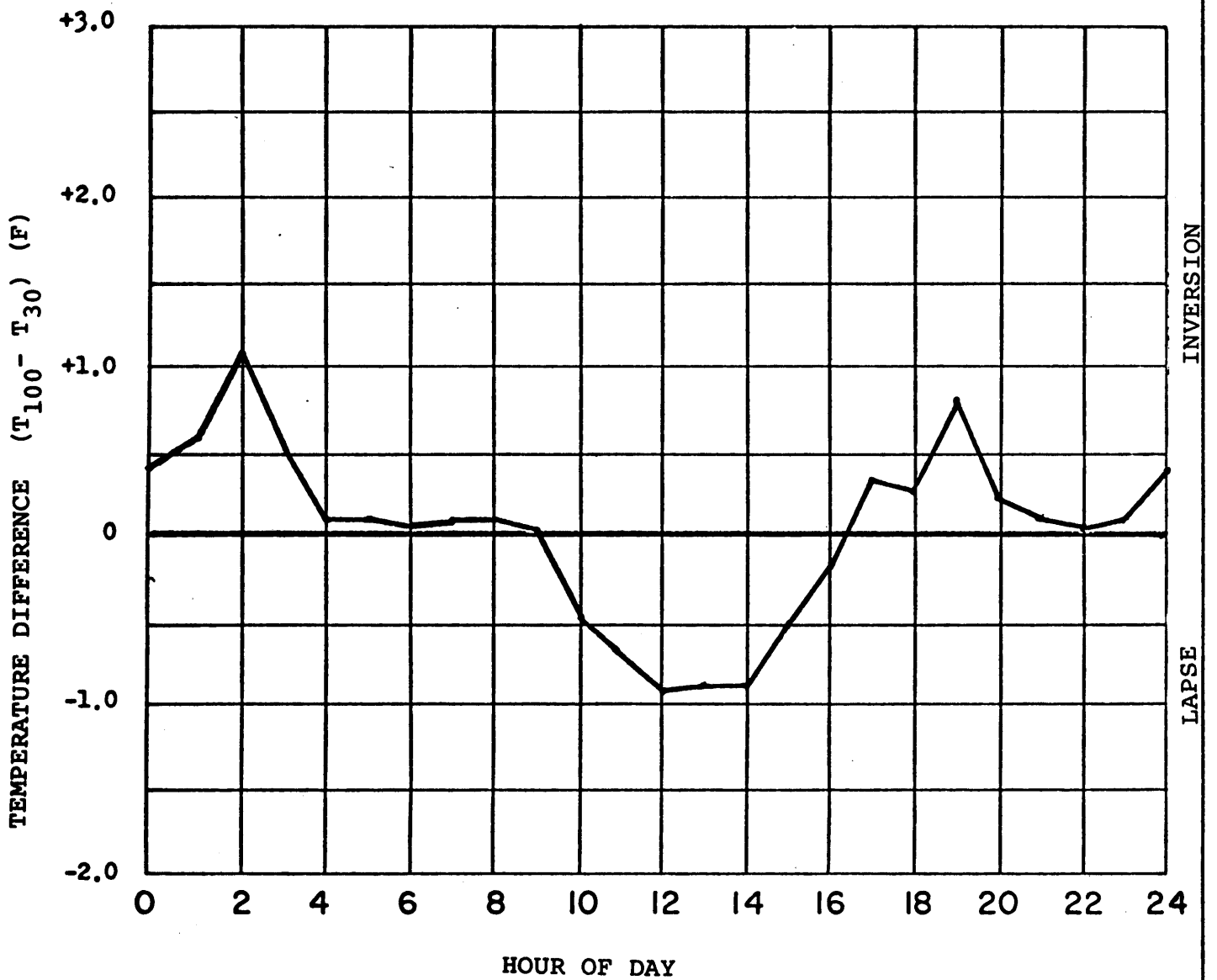
FIGURE 2.3.27



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**ANNUAL WIND ROSE, PEACH BOTTOM
WEATHER STATION NO. 2, LOCATION W7
(RIVER TOWER), NOMINAL 50—FT LEVEL,
EL 164 FT MSL, ALL TURBULENCE CLASSES**

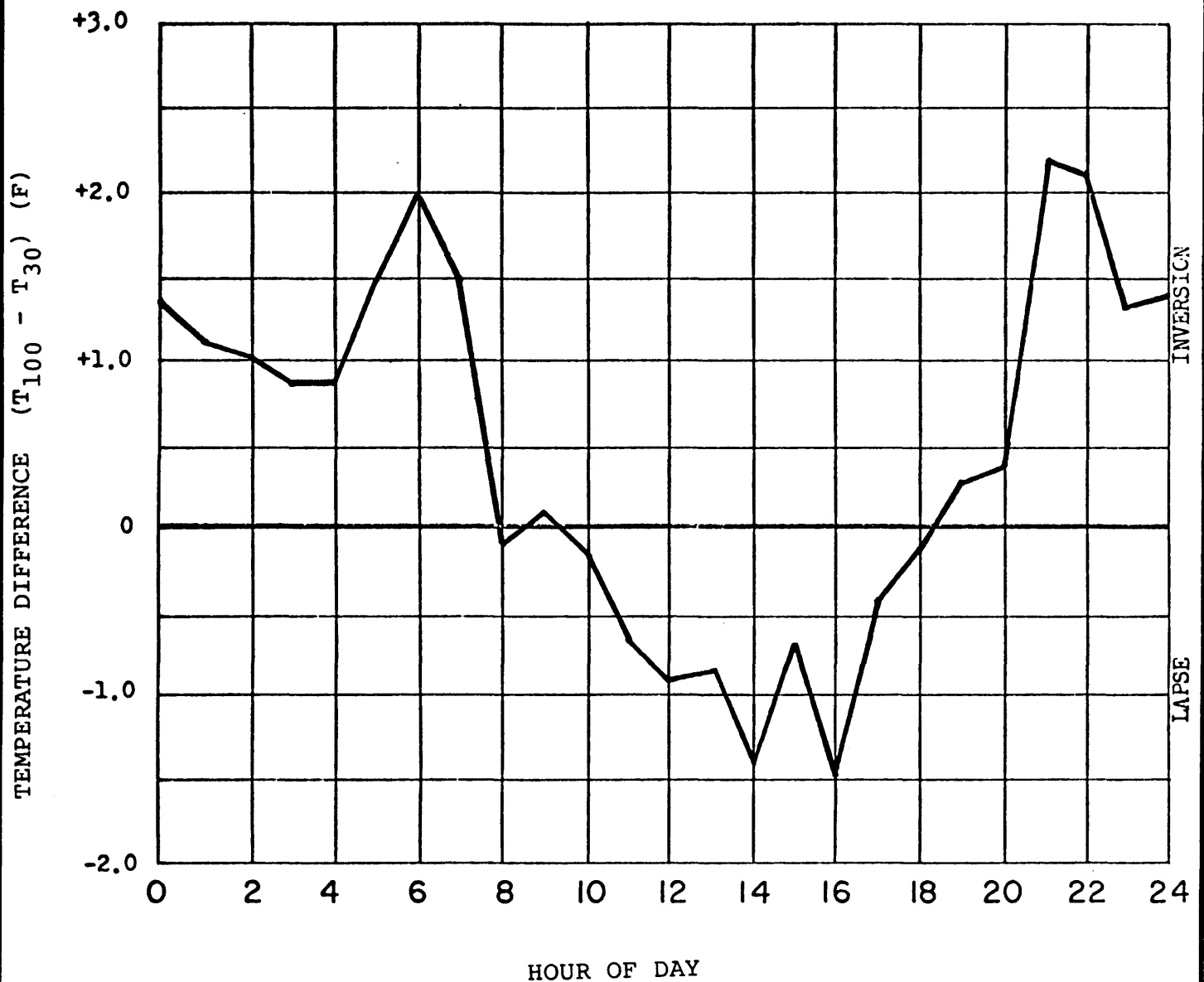
FIGURE 2.3.28



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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**DIURNAL VARIATION OF LAPSE RATE,
PEACH BOTTOM WEATHER STATION NO. 1,
JANUARY, 1968**

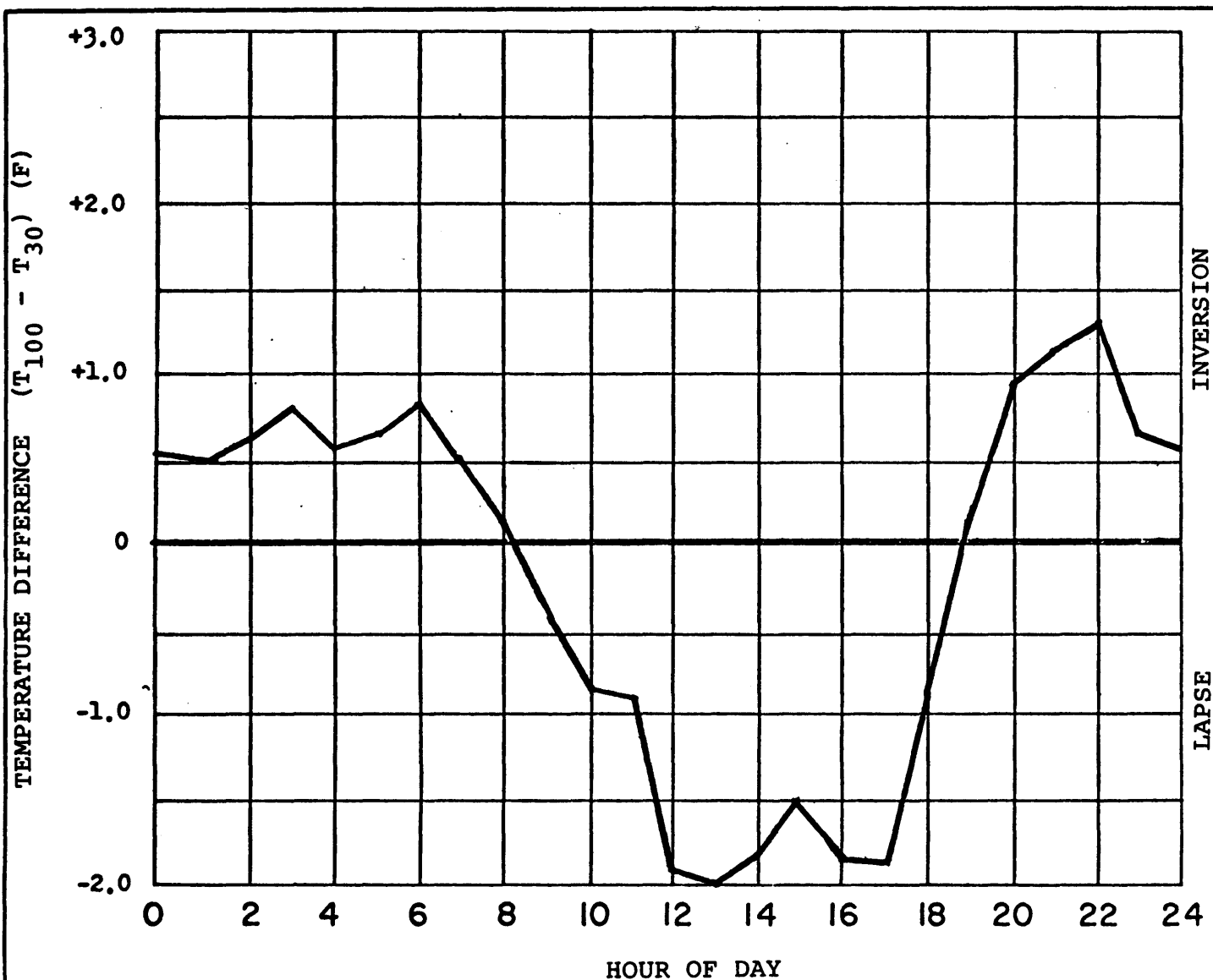
FIGURE 2.3.29



PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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UPDATED FINAL SAFETY ANALYSIS REPORT

DIURNAL VARIATION OF LAPSE RATE,
PEACH BOTTOM WEATHER STATION NO. 1,
APRIL, 1968

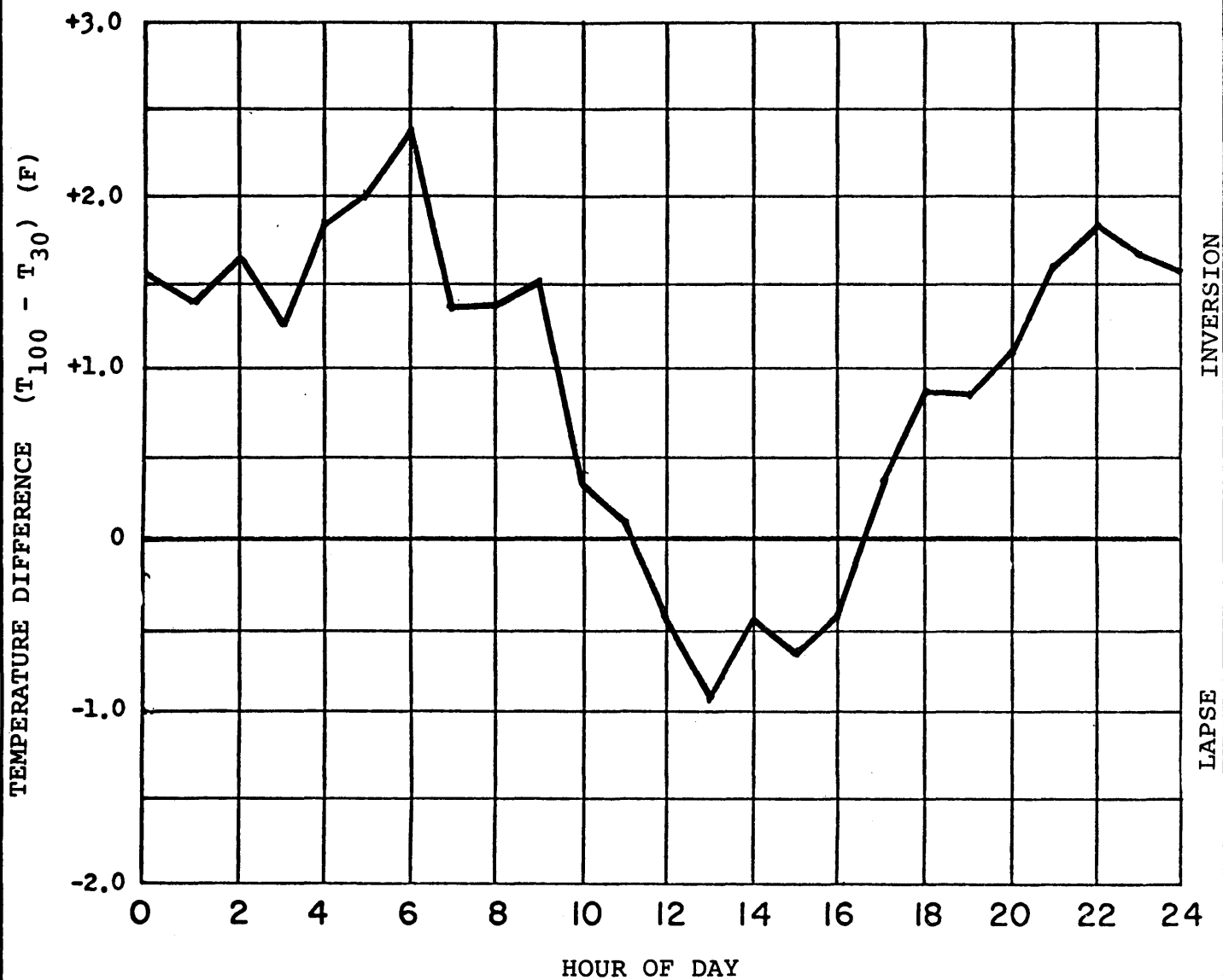
FIGURE 2.3.30



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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UPDATED FINAL SAFETY ANALYSIS REPORT**

**DIURNAL VARIATION OF LAPSE RATE,
PEACH BOTTOM WEATHER STATION NO. 1,
AUGUST, 1967**

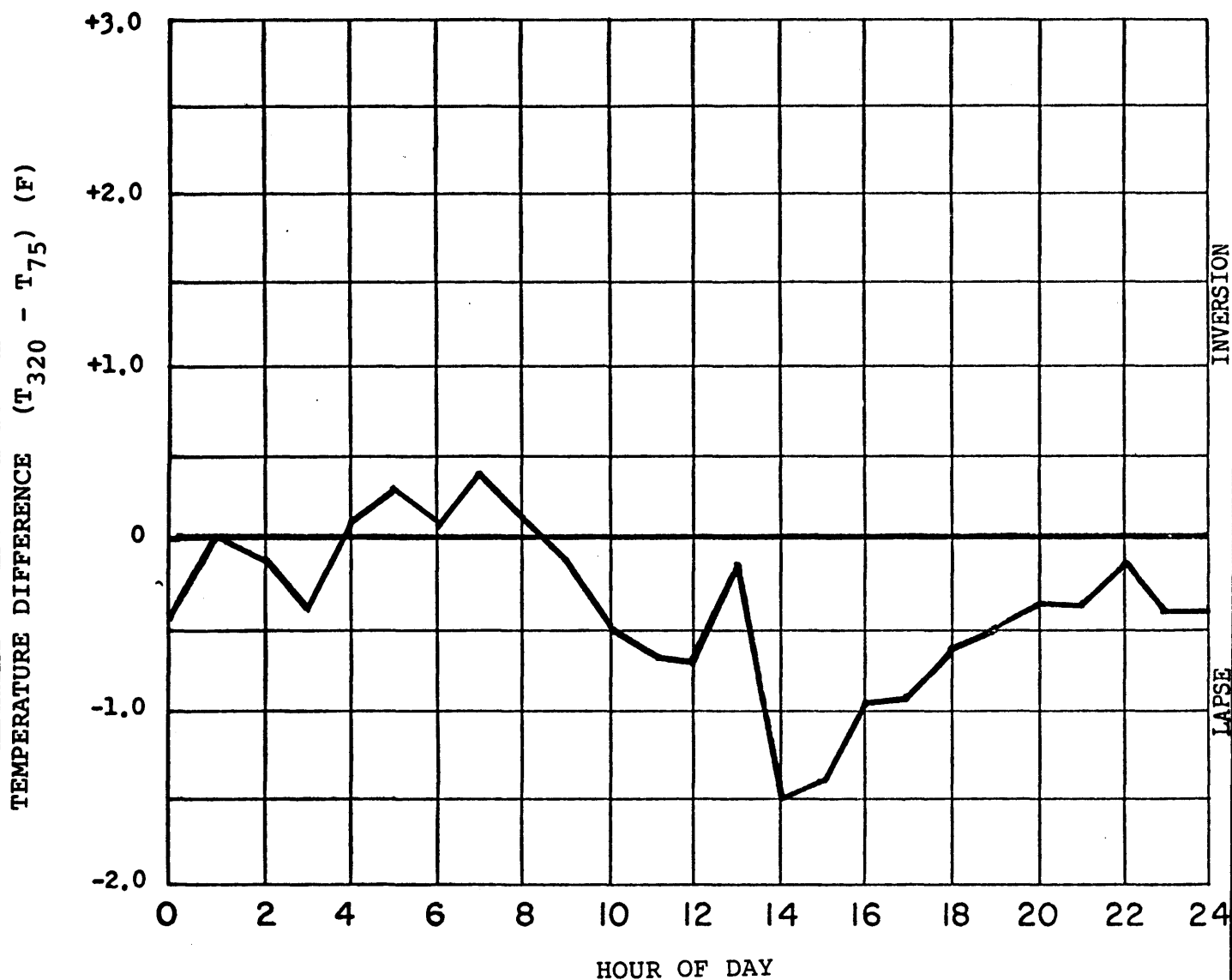
FIGURE 2.3.31



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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UPDATED FINAL SAFETY ANALYSIS REPORT**

**DIURNAL VARIATION OF LAPSE RATE,
PEACH BOTTOM WEATHER STATION NO. 1,
OCTOBER, 1967**

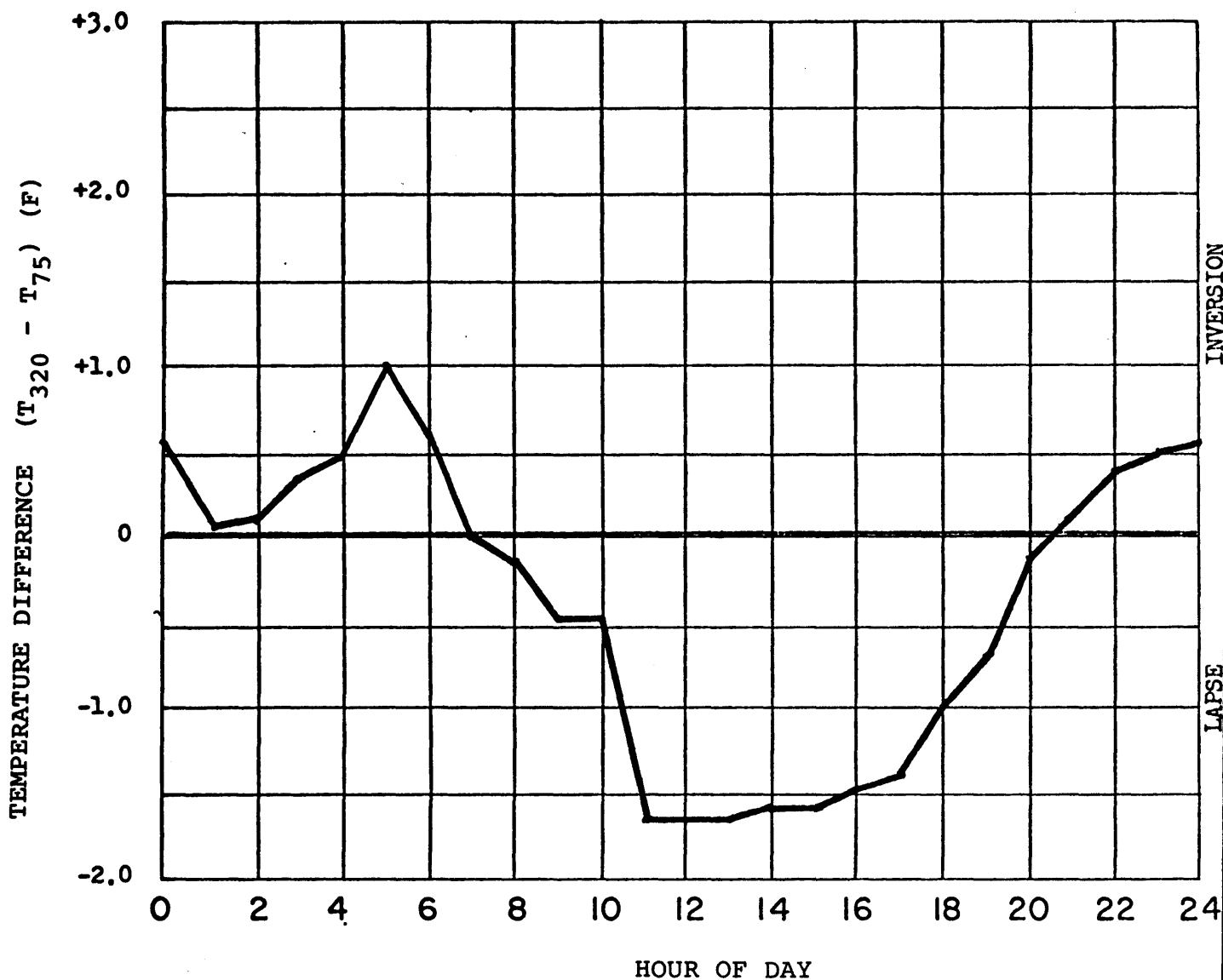
FIGURE 2.3.32



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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**DIURNAL VARIATION OF LAPSE RATE,
PEACH BOTTOM WEATHER STATION NO. 2,
JANUARY, 1968**

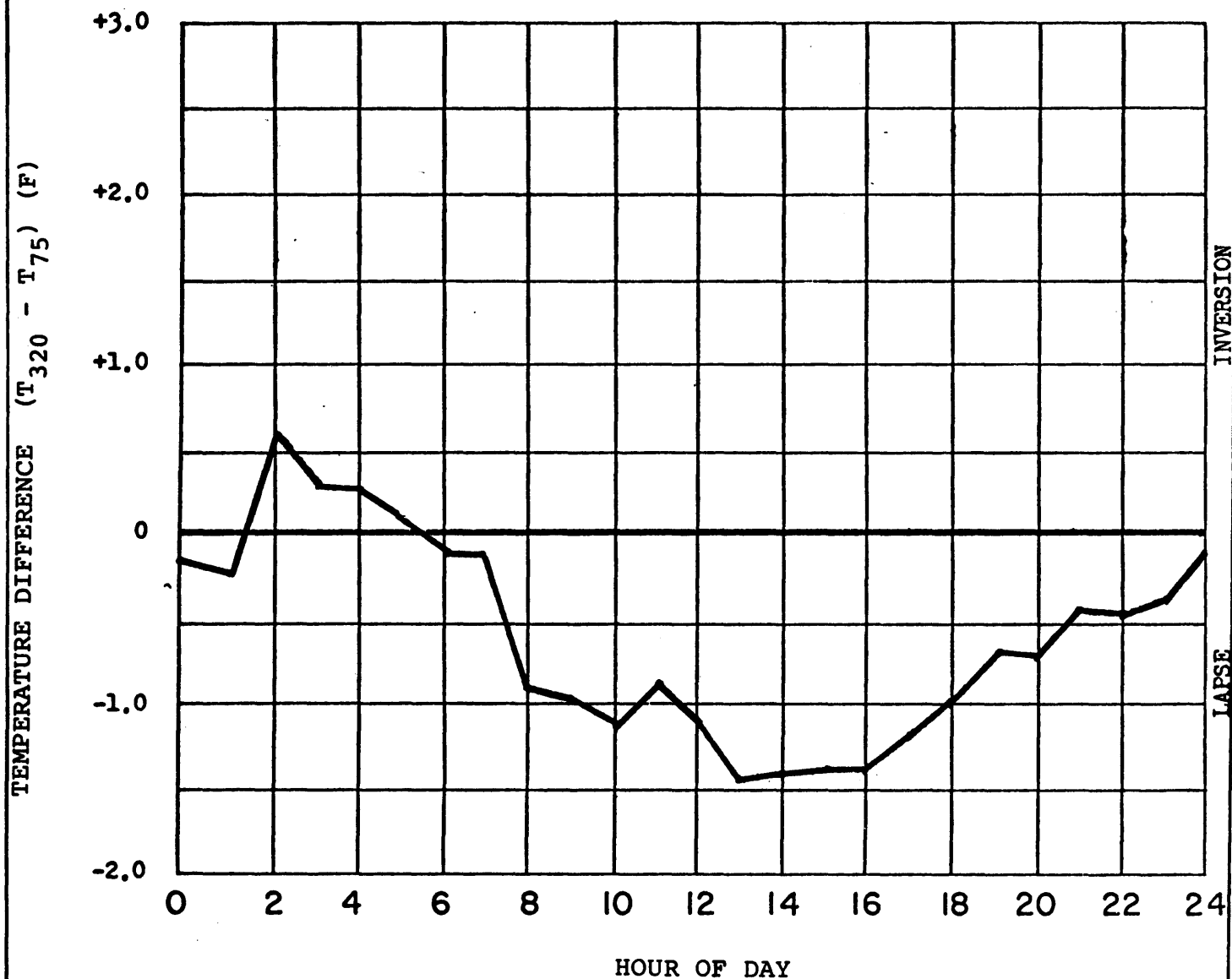
FIGURE 2.3.33



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

DIURNAL VARIATION OF LAPSE RATE,
PEACH BOTTOM WEATHER STATION NO. 2,
APRIL, 1968

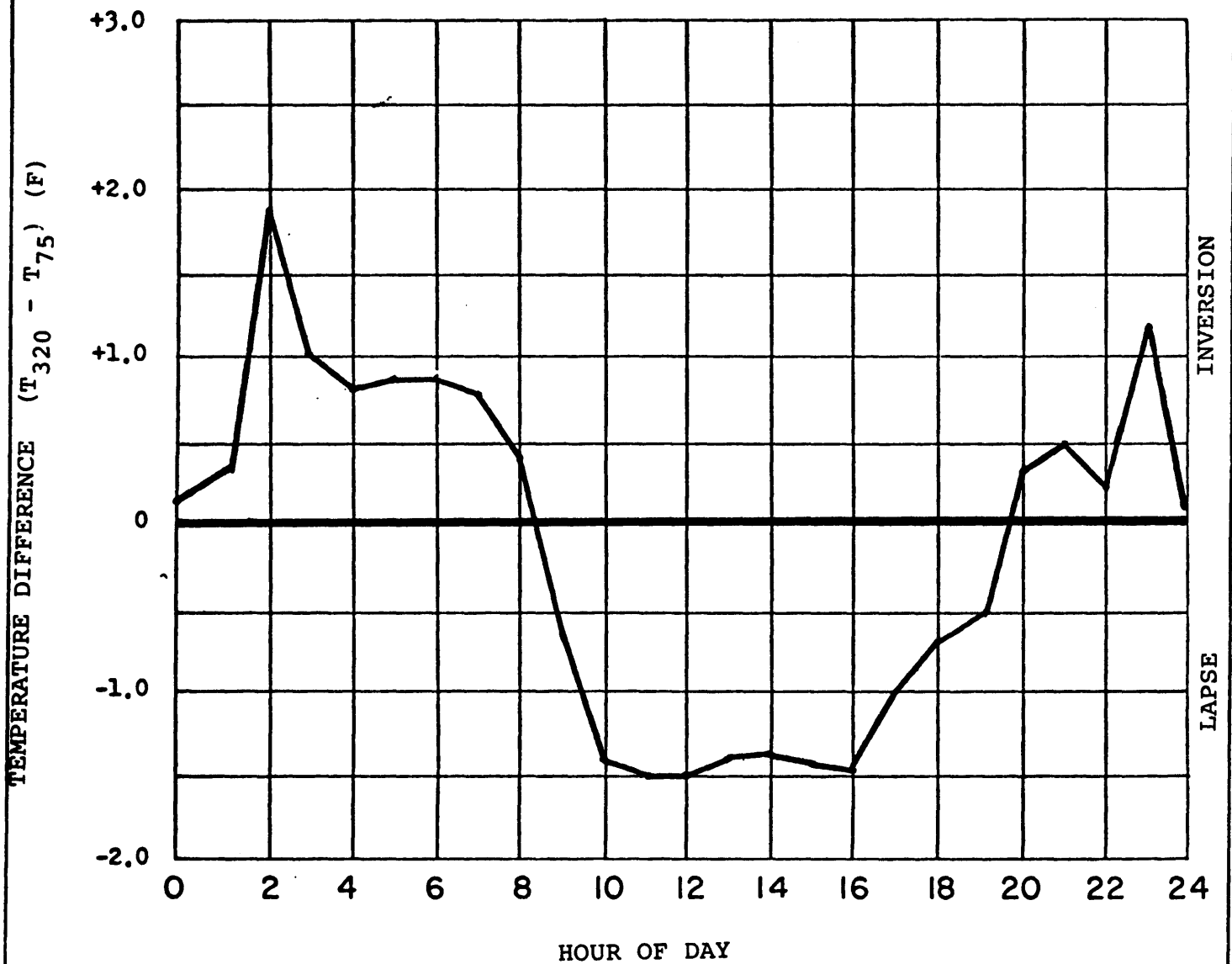
FIGURE 2.3.34



PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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UPDATED FINAL SAFETY ANALYSIS REPORT

DIURNAL VARIATION OF LAPSE RATE,
PEACH BOTTOM WEATHER STATION NO. 2,
AUGUST, 1967

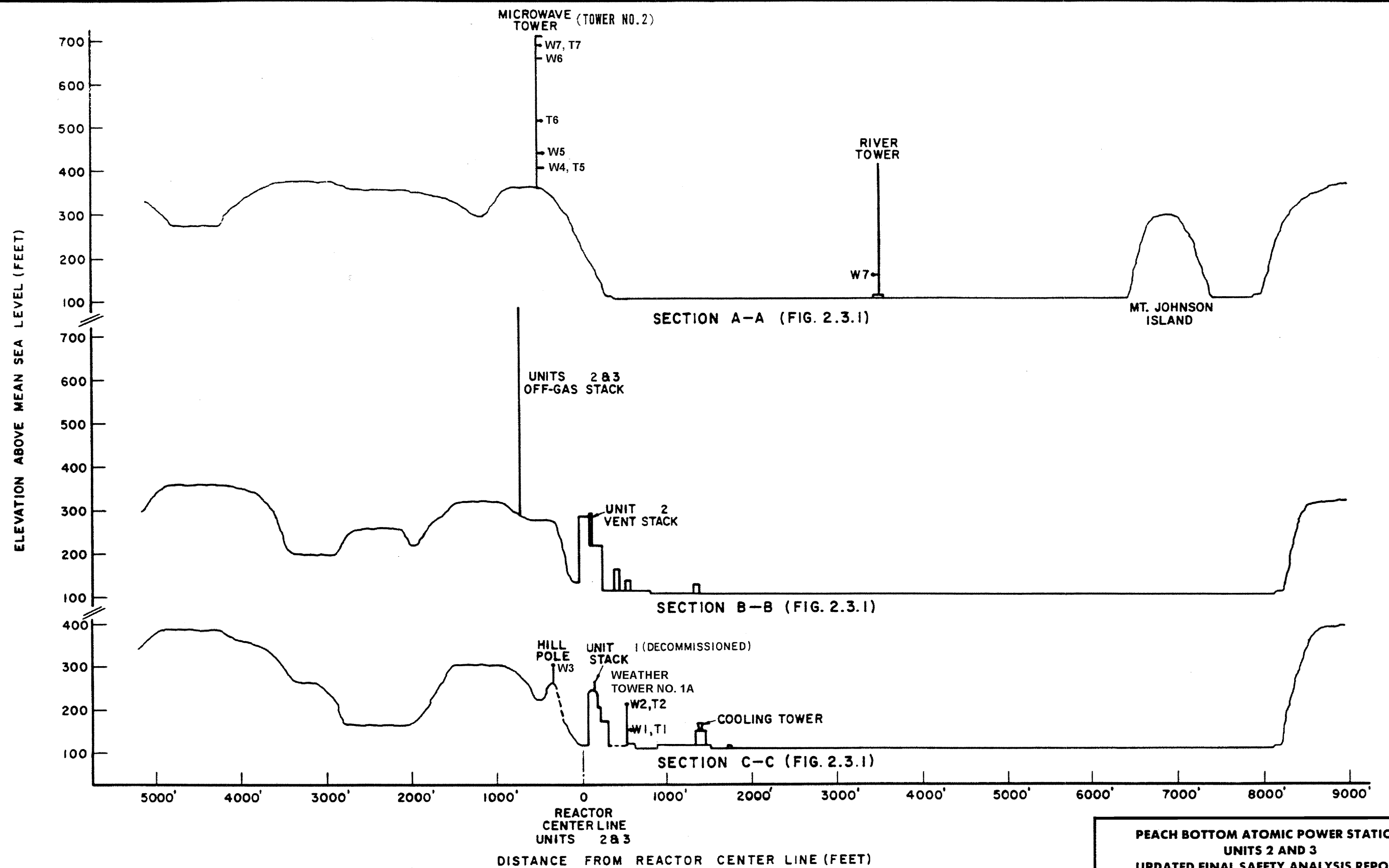
FIGURE 2.3.35



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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UPDATED FINAL SAFETY ANALYSIS REPORT**

**DIURNAL VARIATION OF LAPSE RATE,
PEACH BOTTOM WEATHER STATION NO. 2,
OCTOBER, 1967**

FIGURE 2.3.36



**PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

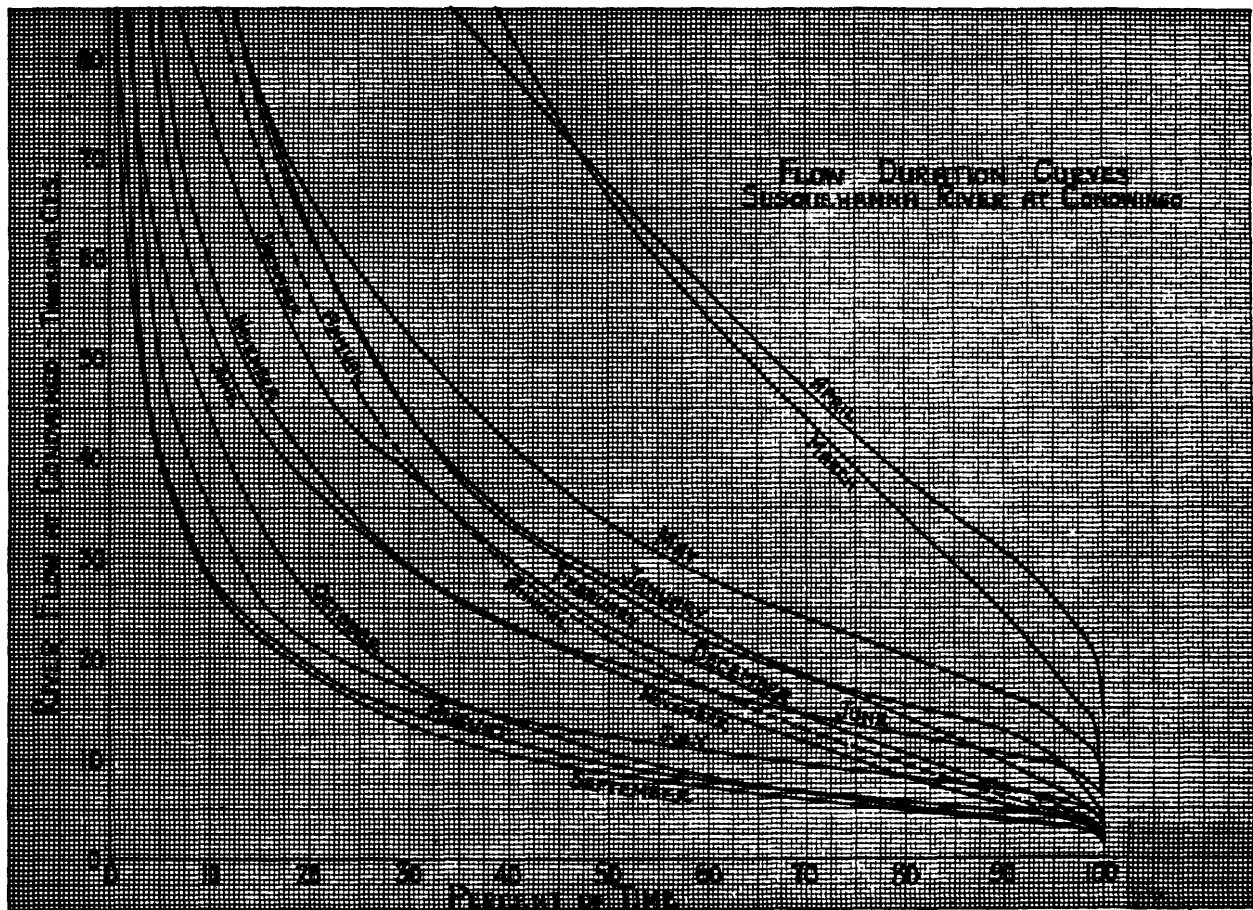
RELATIVE ELEVATIONS OF METEOROLOGICAL
SENSORS AND RELEASE POINTS



**PHILADELPHIA ELECTRIC COMPANY
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**MAJOR GAGING STATIONS AND
CORRESPONDING DRAINAGE AREAS**

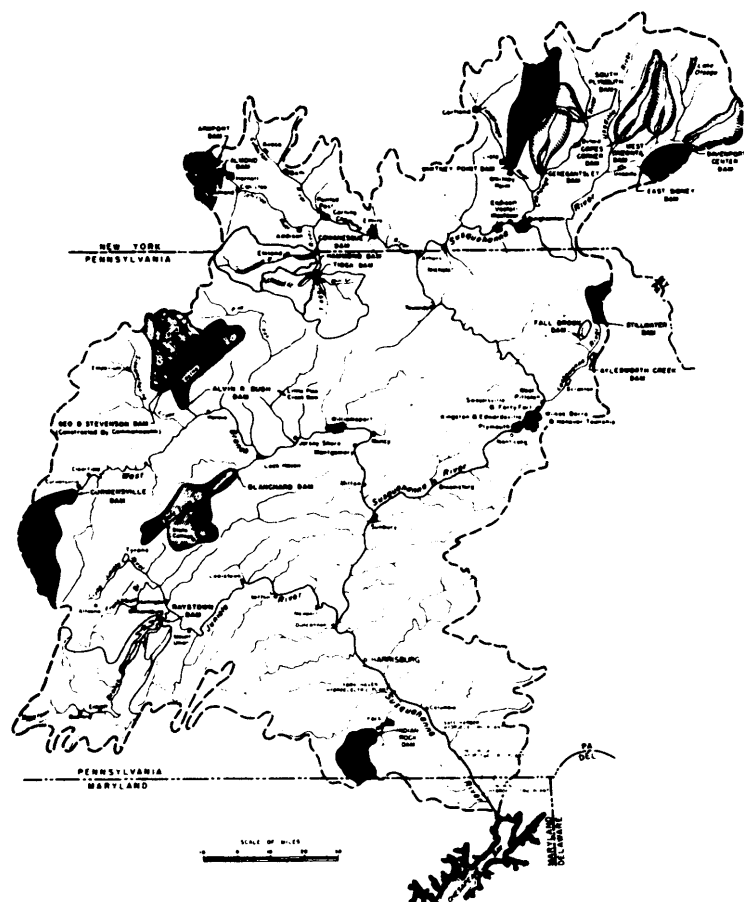
FIGURE 2.4.1



PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

FLOW DURATION CURVES
SUSQUEHANNA RIVER AT CONOWINGO

FIGURE 2.4.2



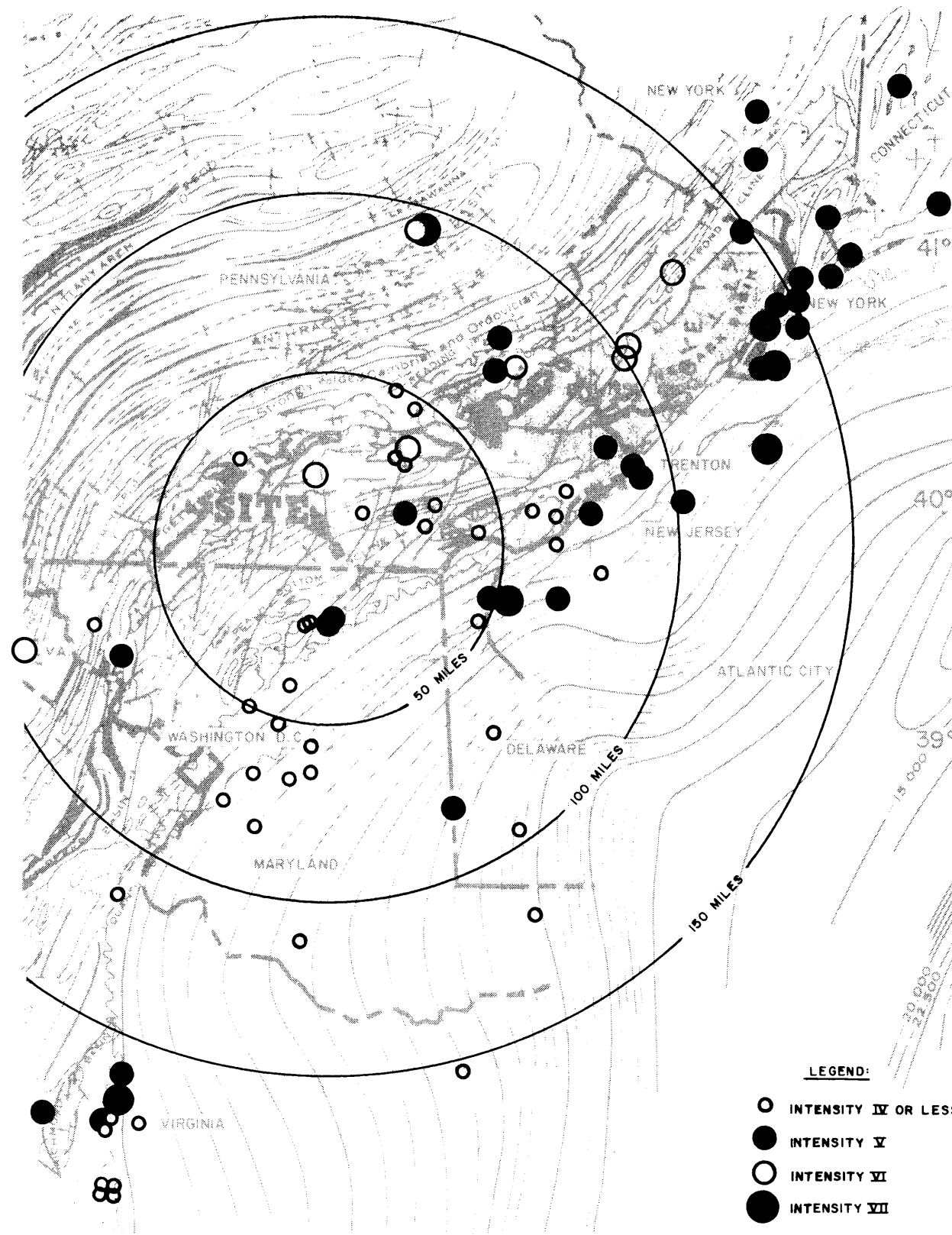
SUSQUEHANNA RIVER BASIN

GROUP OF ENGINEERS, BALTIMORE DISTRICT, BALTIMORE, MD. FEB. 1964

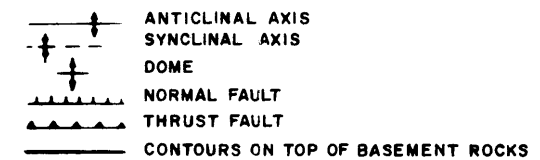
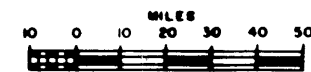
PHILADELPHIA ELECTRIC COMPANY PEACH BOTTOM ATOMIC POWER STATION UNITS 2 AND 3 UPDATED FINAL SAFETY ANALYSIS REPORT

SUSQUEHANNA RIVER BASIN

FIGURE 2.4.3



EPICENTRAL LOCATION MAP

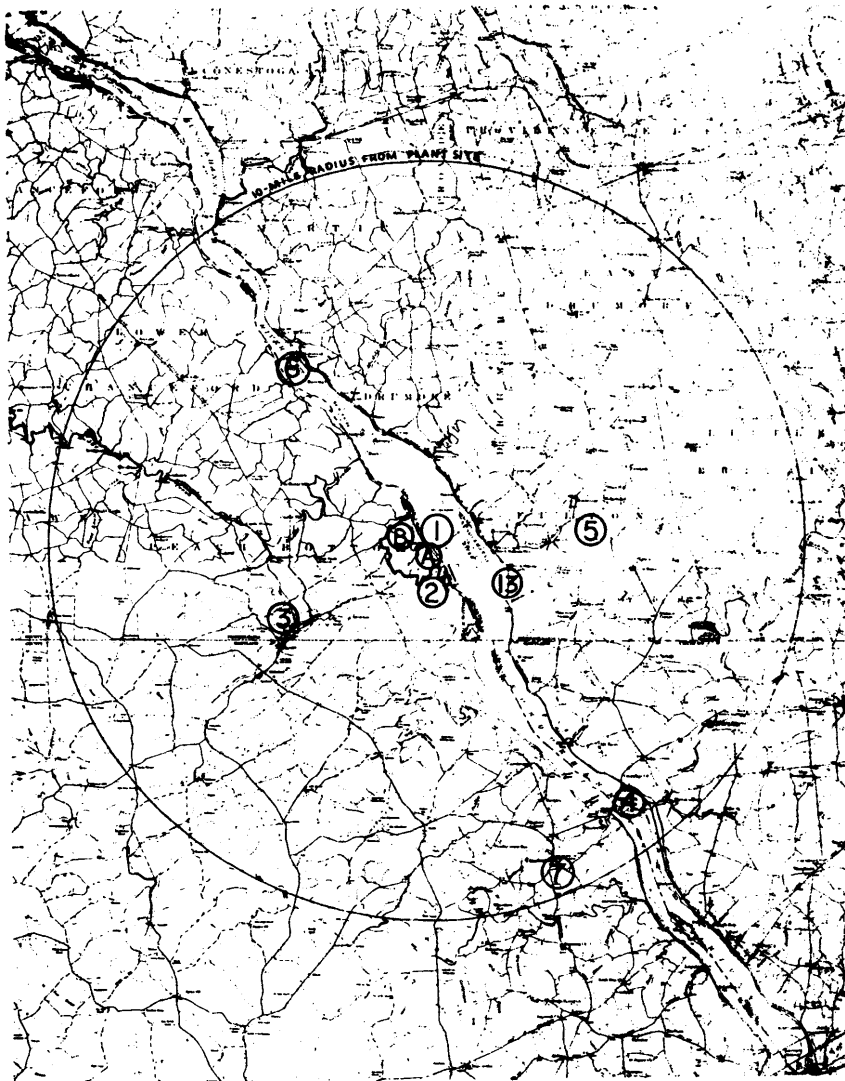


NOTE:
THIS MAP WAS PREPARED FROM A PORTION OF TECTONIC MAP OF THE UNITED STATES BY THE UNITED STATES GEOLOGICAL SURVEY AND THE AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS, 1962.

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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EPICENTRAL LOCATION

FIGURE 2.5.1



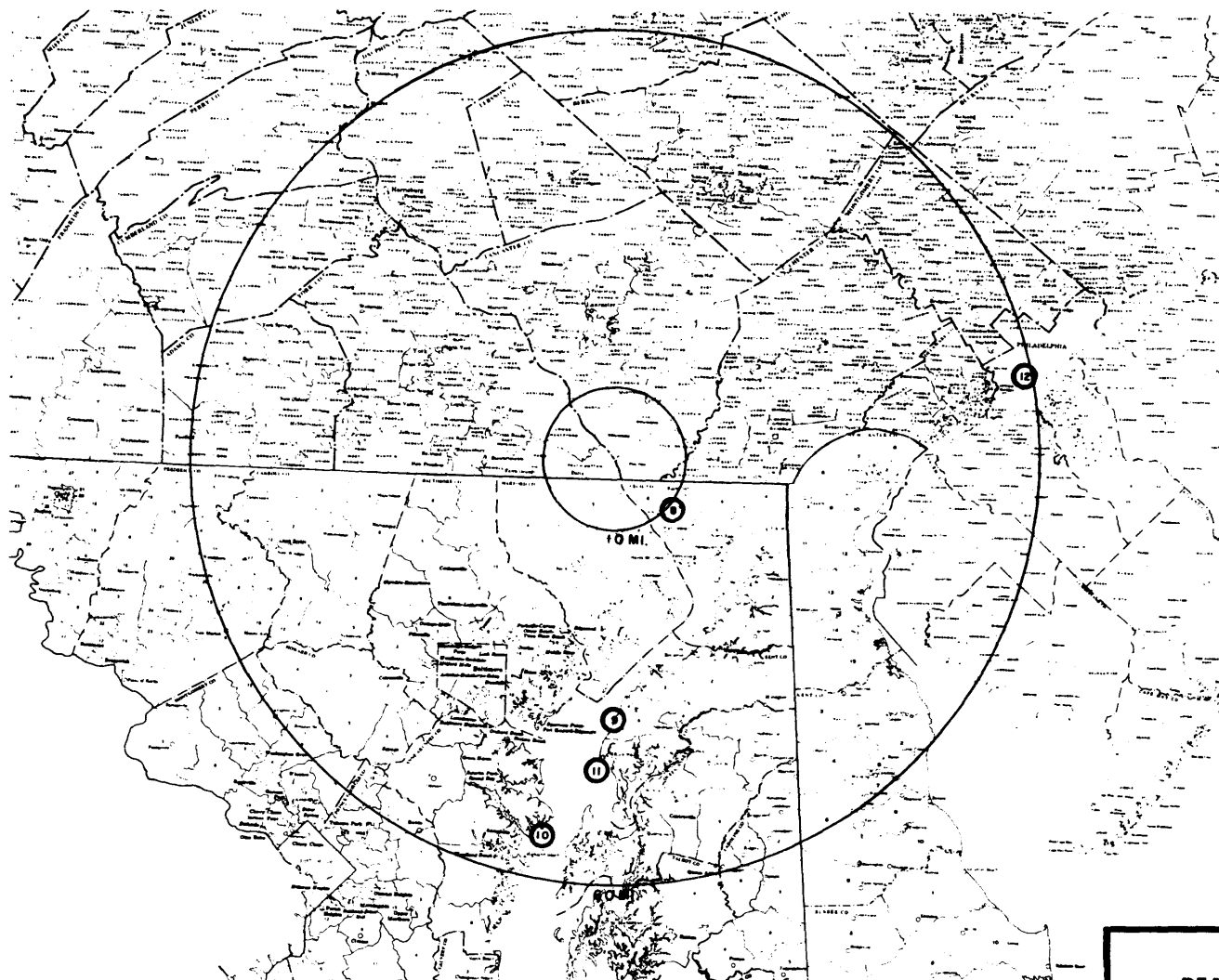
LEGEND

1. Peach Bottom Site, Pa.
 - A. Environmental Station No. 1
 - B. Environmental Station No. 2
2. Hill Side Southeast of Site, Pa.
3. Delta, Pa.
4. Conowingo Dam, Md.
5. Wakefield, Pa.
6. Holtwood Dam, Pa.
7. Darlington, Md.
13. Chester Water Authority Intake, Pa.

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**ENVIRONMENTAL RADIATION SAMPLING
STATIONS WITHIN 10 MILES OF SITE**

FIGURE 2.6.1



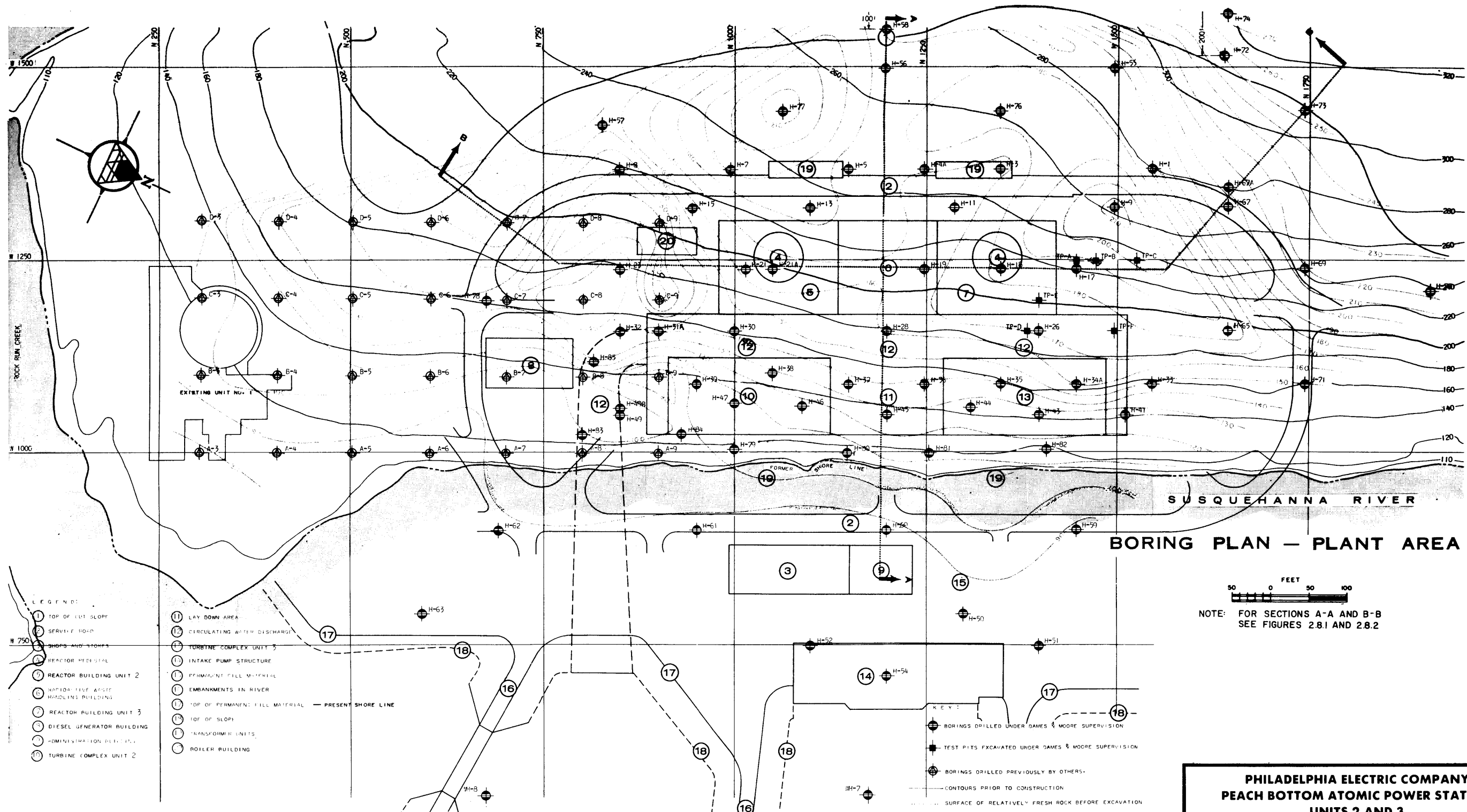
LEGEND

- 8. Colora, Md.
- 9. Tolchester, Md.
- 10. Hackett Point Bar, Md.
- 11. Swan Point Bar, Md.
- 12. Philadelphia, Pa.

**PHILADELPHIA ELECTRIC COMPANY
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**ENVIRONMENTAL RADIATION SAMPLING
STATIONS FARTHER THAN 10 MILES
FROM THE SITE**

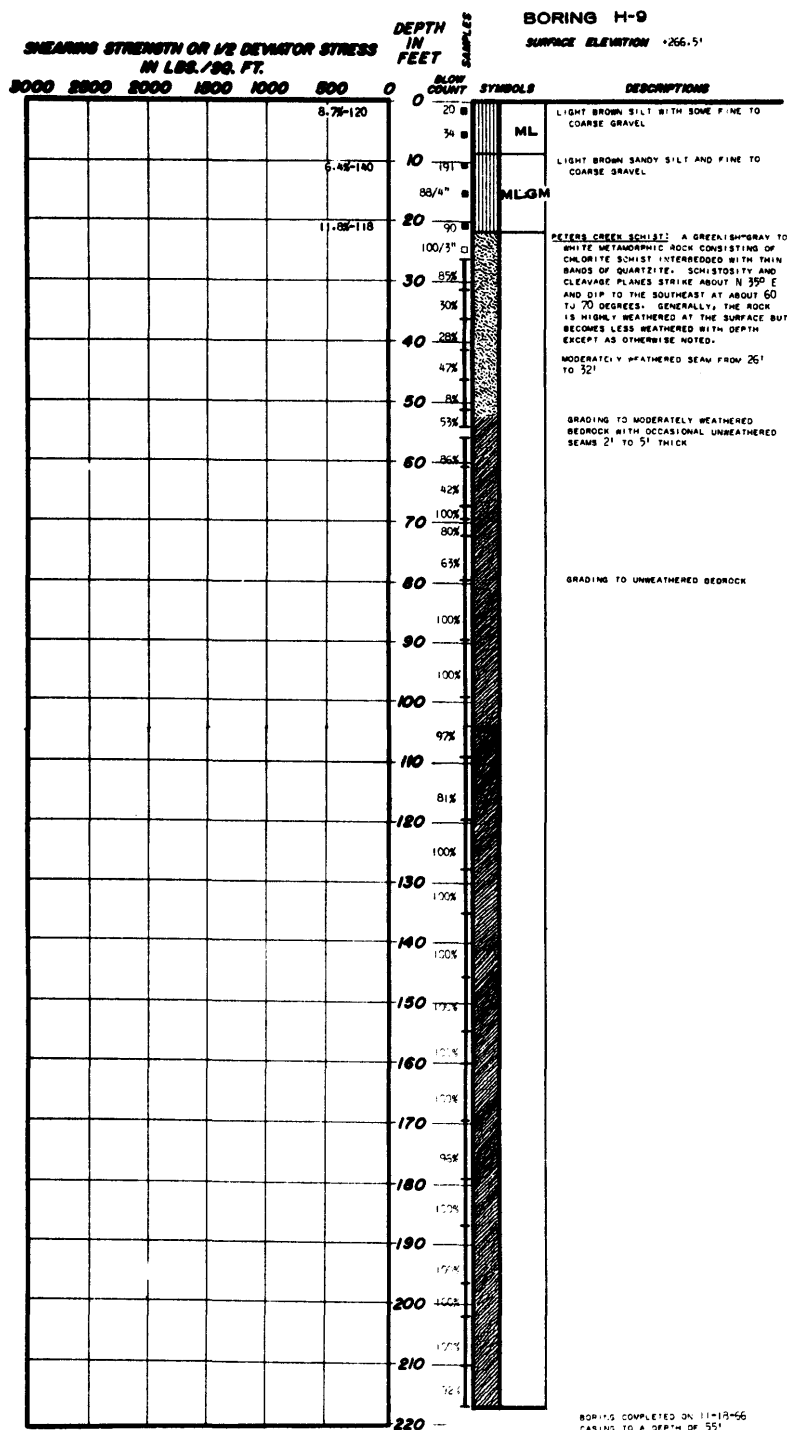
FIGURE 2.6.2



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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UPDATED FINAL SAFETY ANALYSIS REPORT**

BORING PLAN—PLANT AREA

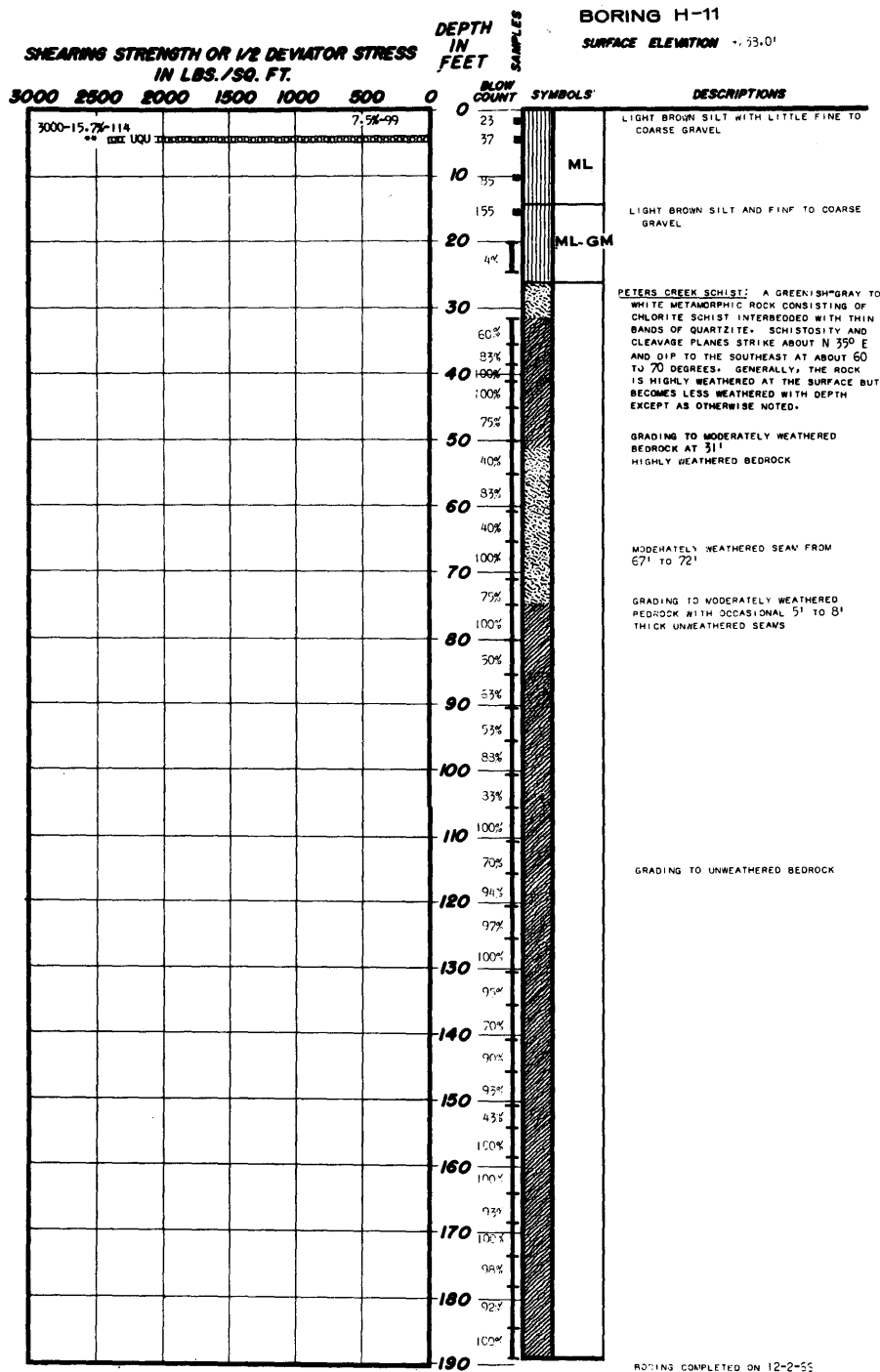
FIGURE 2.7.1



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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UPDATED FINAL SAFETY ANALYSIS REPORT**

LOG OF BORING

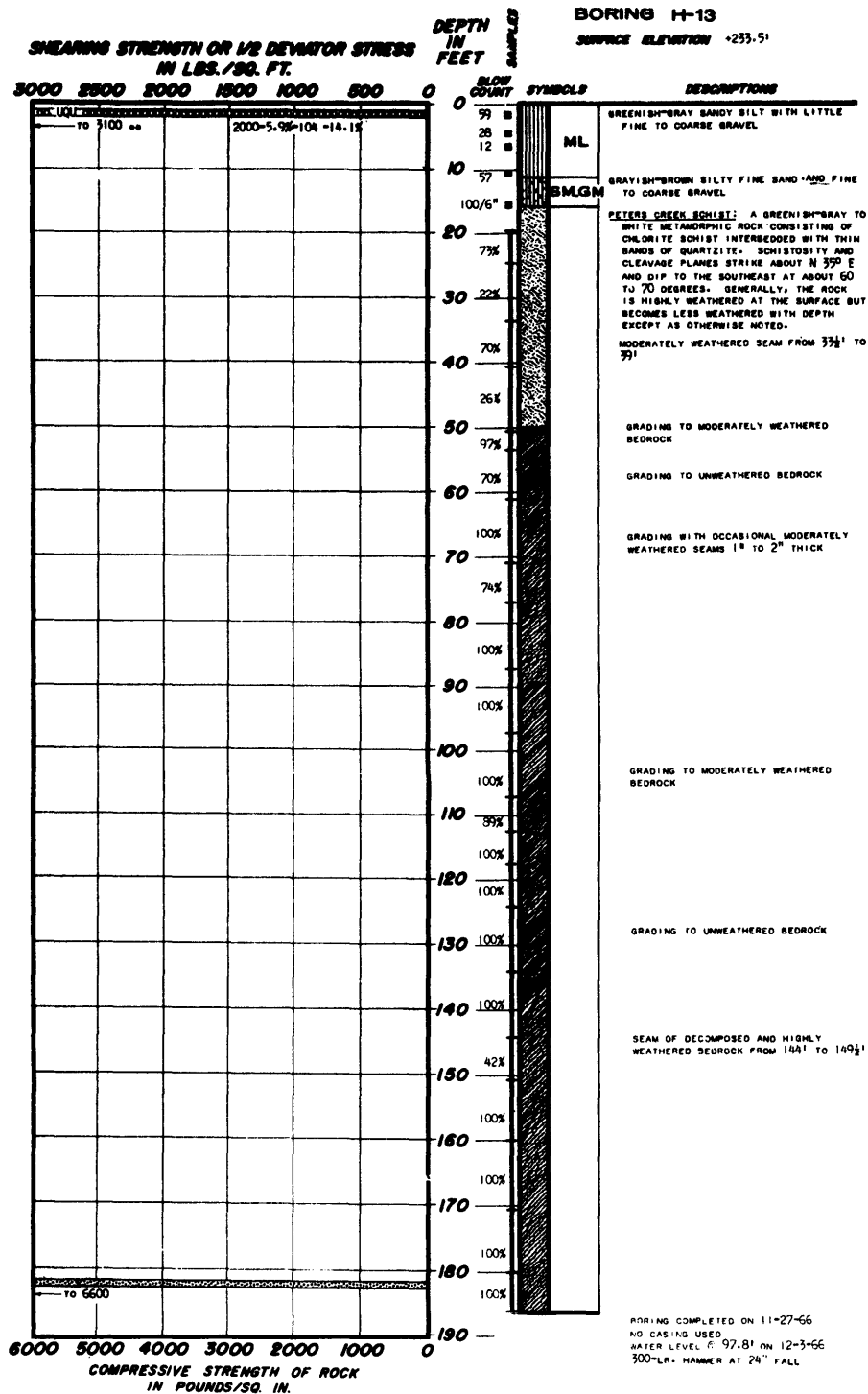
FIGURE 2.7.2



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

LOG OF BORING

FIGURE 2.7.3



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

LOG OF BORING

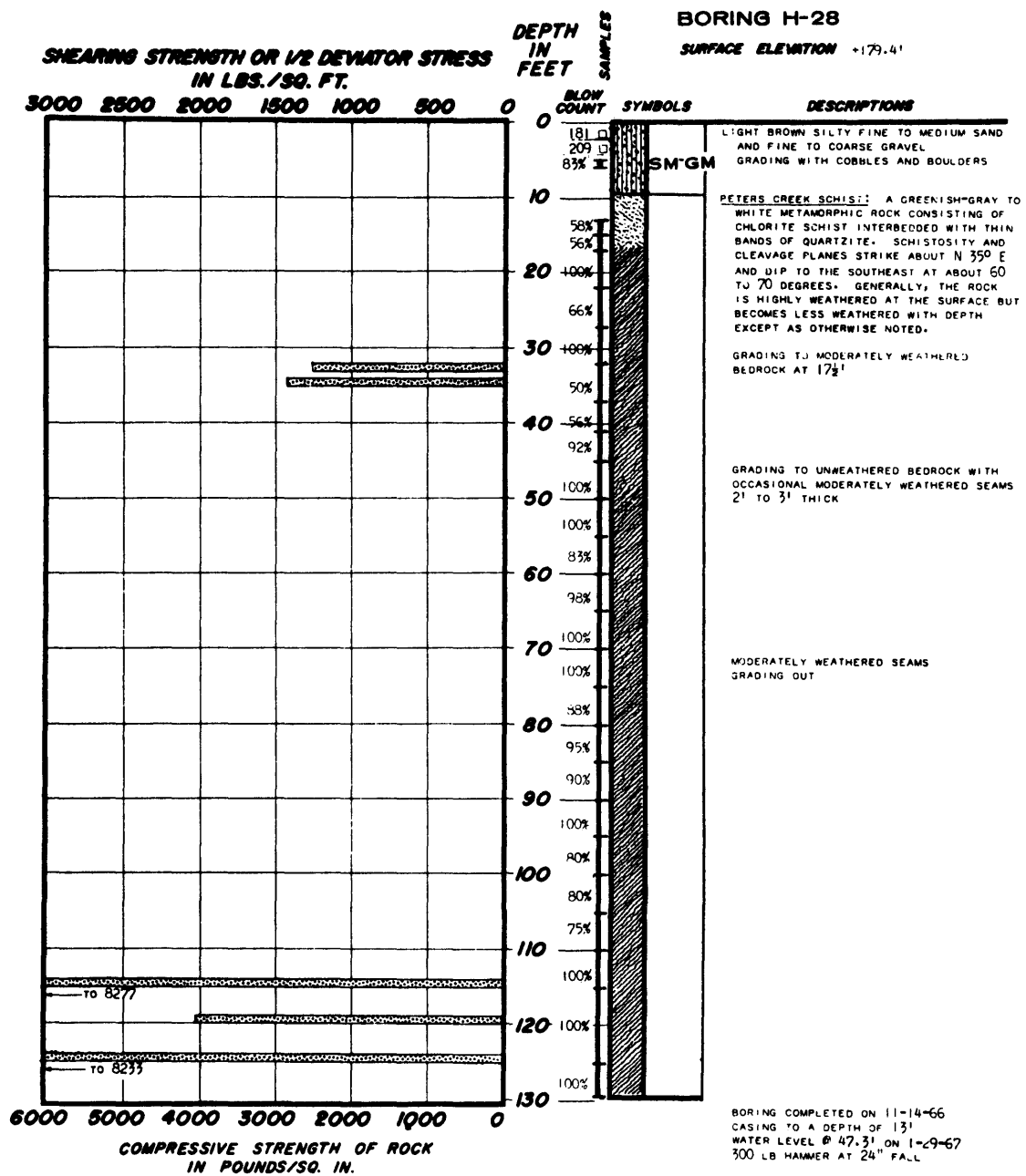
FIGURE 2.7.4



FIGURE 2.7.5



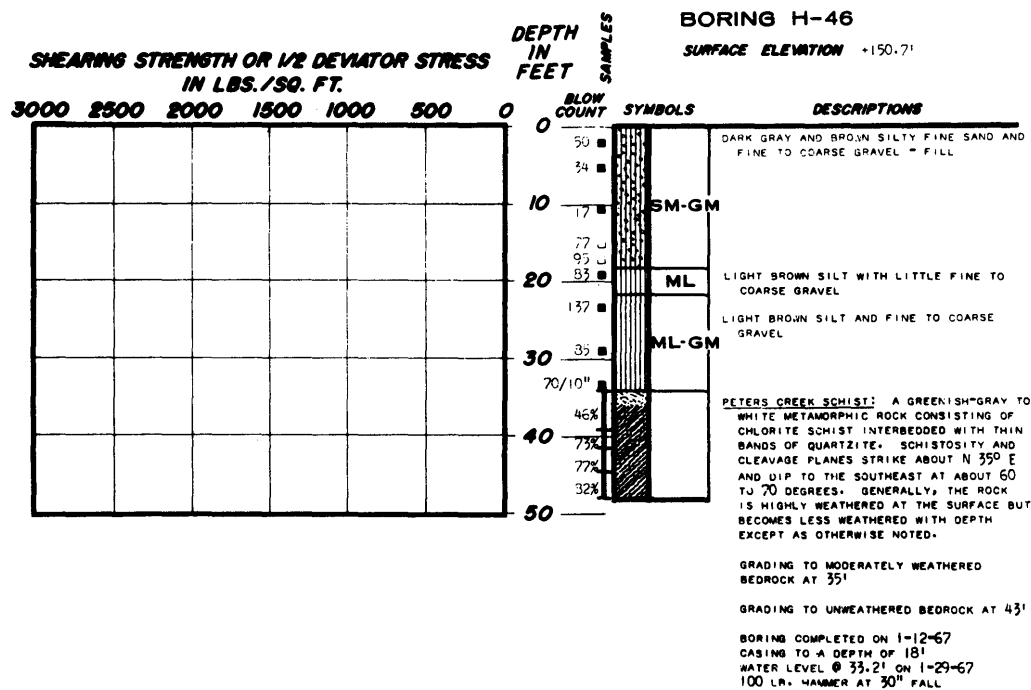
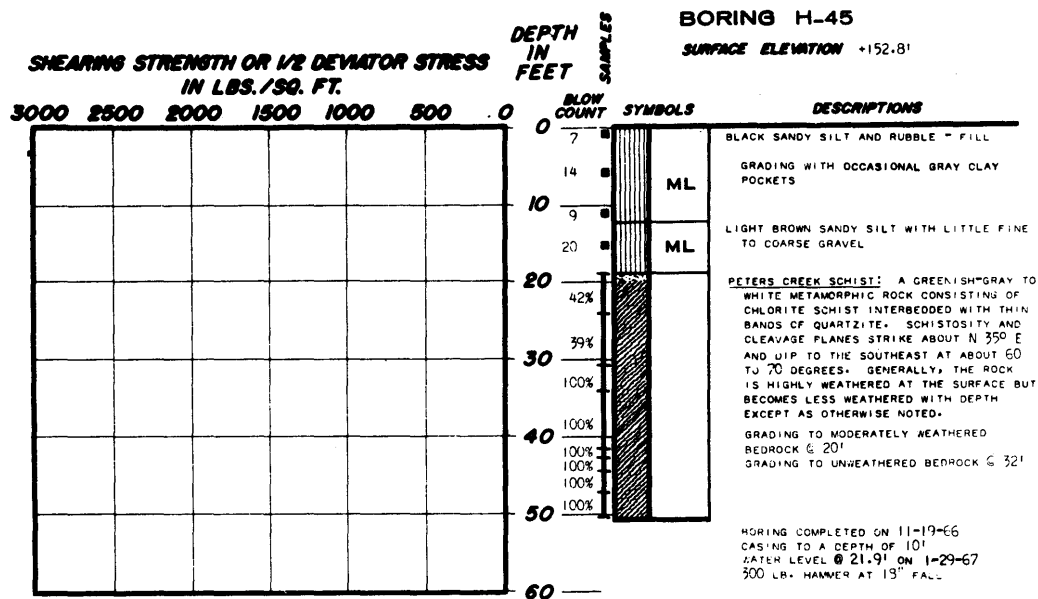
FIGURE 2.7.6



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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LOG OF BORING

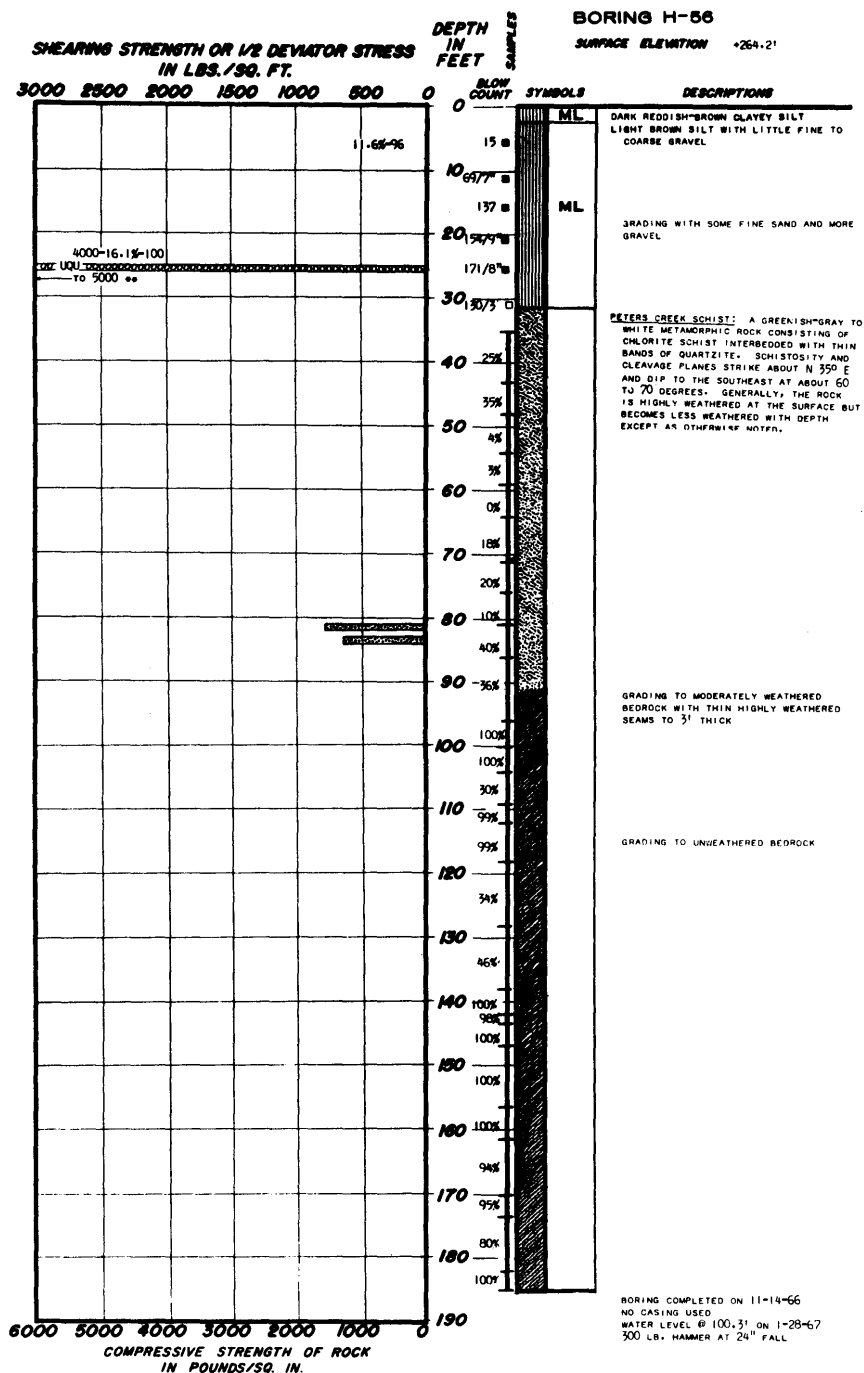
FIGURE 2.7.7



**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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LOG OF BORINGS

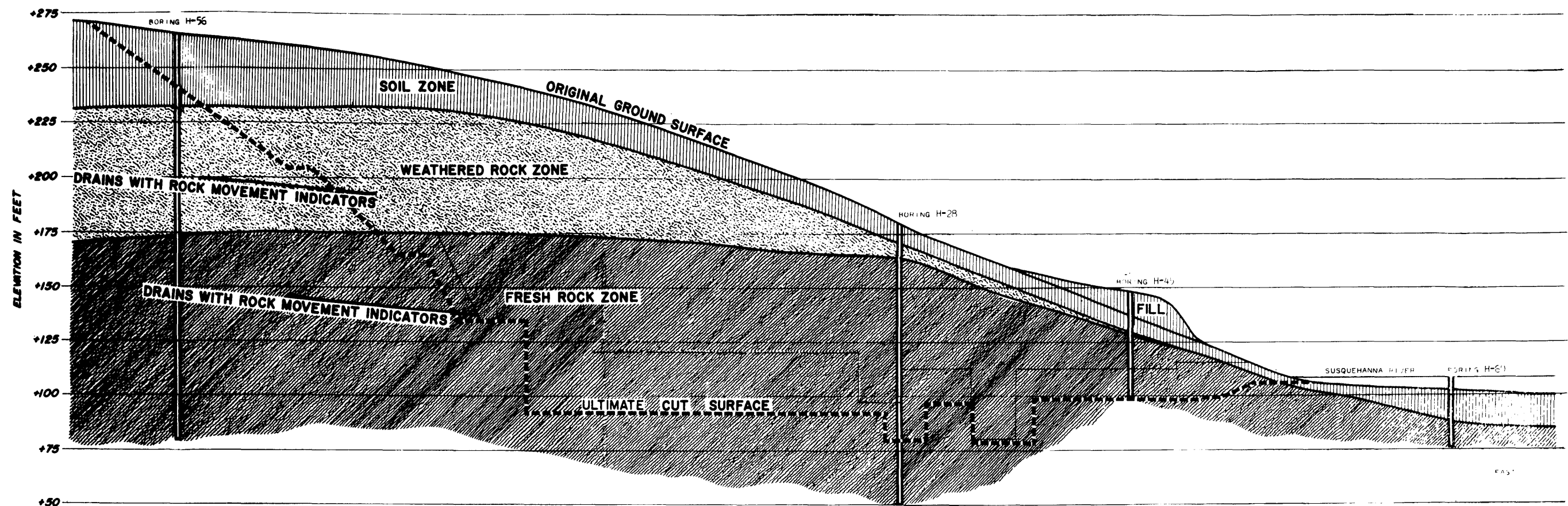
FIGURE 2.7.8



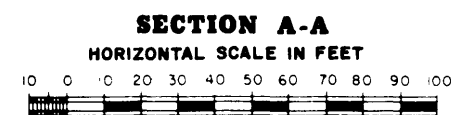
**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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UPDATED FINAL SAFETY ANALYSIS REPORT**

LOG OF BORING

FIGURE 2.7.9



SUBSURFACE SECTION



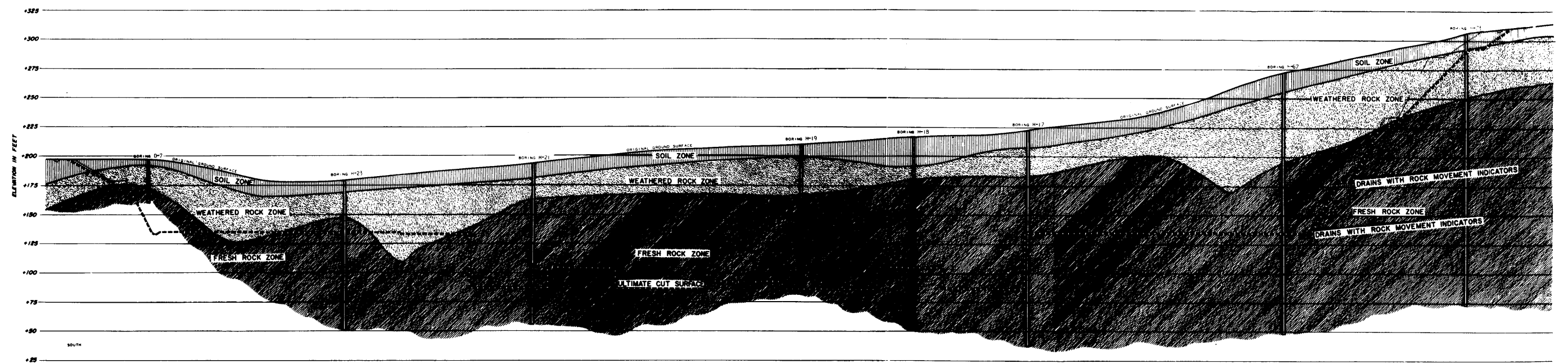
NOTE:

THE LOCATION OF THIS SECTION IS SHOWN ON FIGURE 2.7.1

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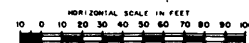
SUBSURFACE SECTION

FIGURE 2.8.1



NOTE:
THE LOCATION OF THIS SECTION IS
SHOWN ON FIGURE 2.7.1

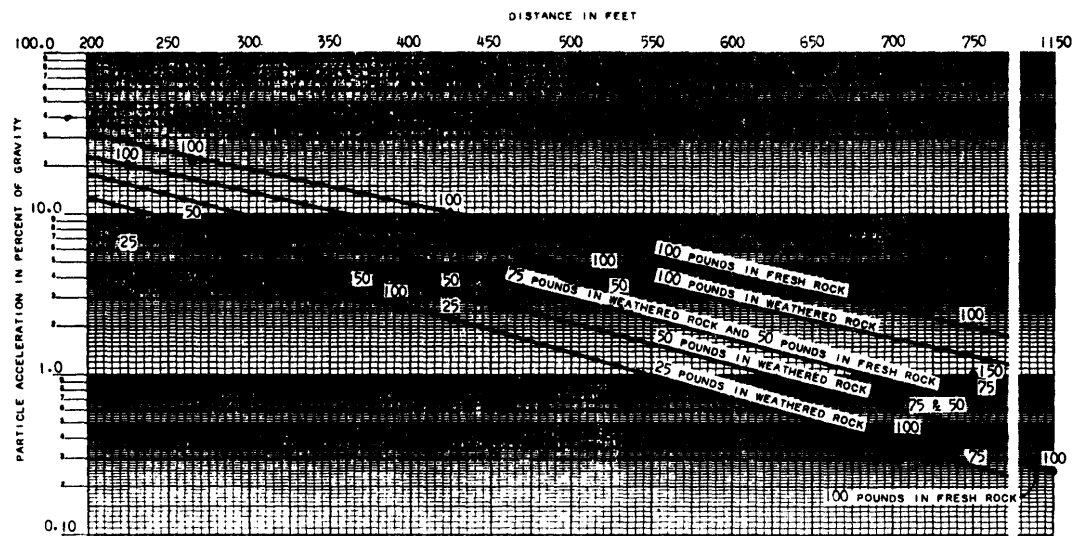
SUBSURFACE SECTION SECTION B-B



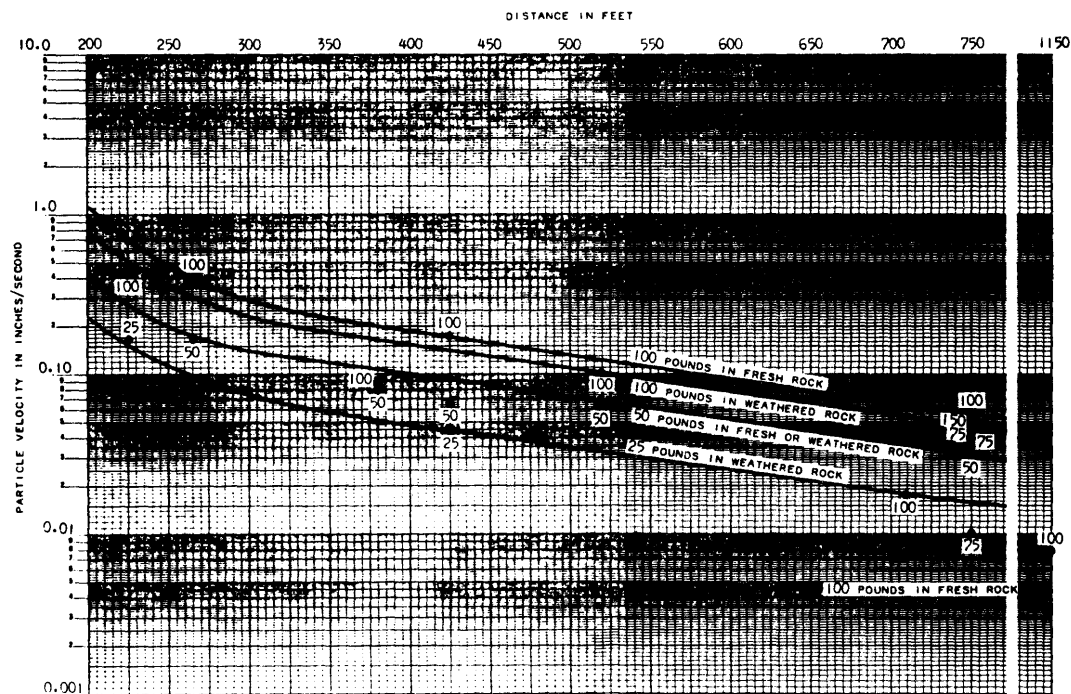
PHILADELPHIA ELECTRIC COMPANY
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SUBSURFACE SECTION

FIGURE 2.8.2



ACCELERATION DATA



VELOCITY DATA

ATTENUATION CURVES

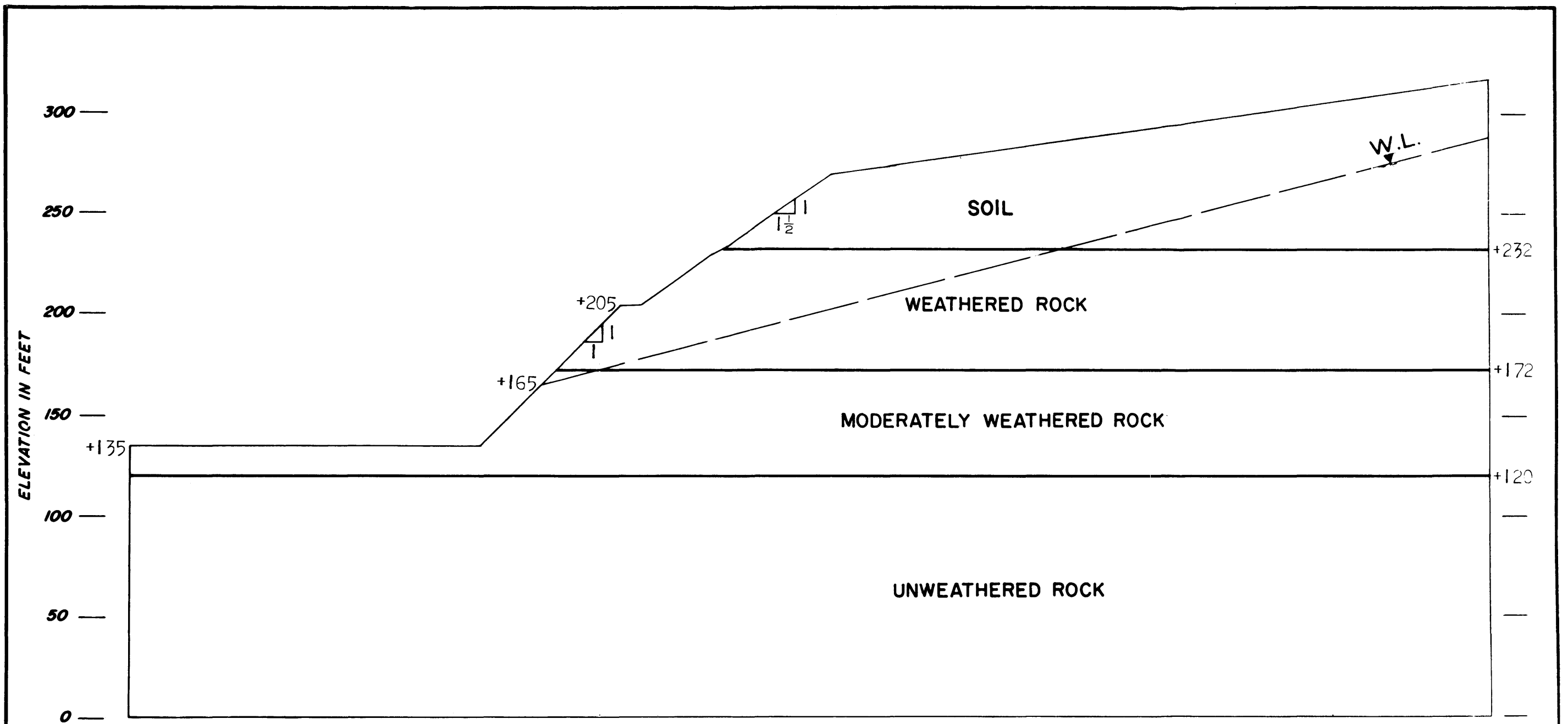
NOTES:

FIGURES INDICATED ABOVE REFER TO POUNDS OF EXPLOSIVE.

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ATTENUATION CURVES

FIGURE 2.8.3

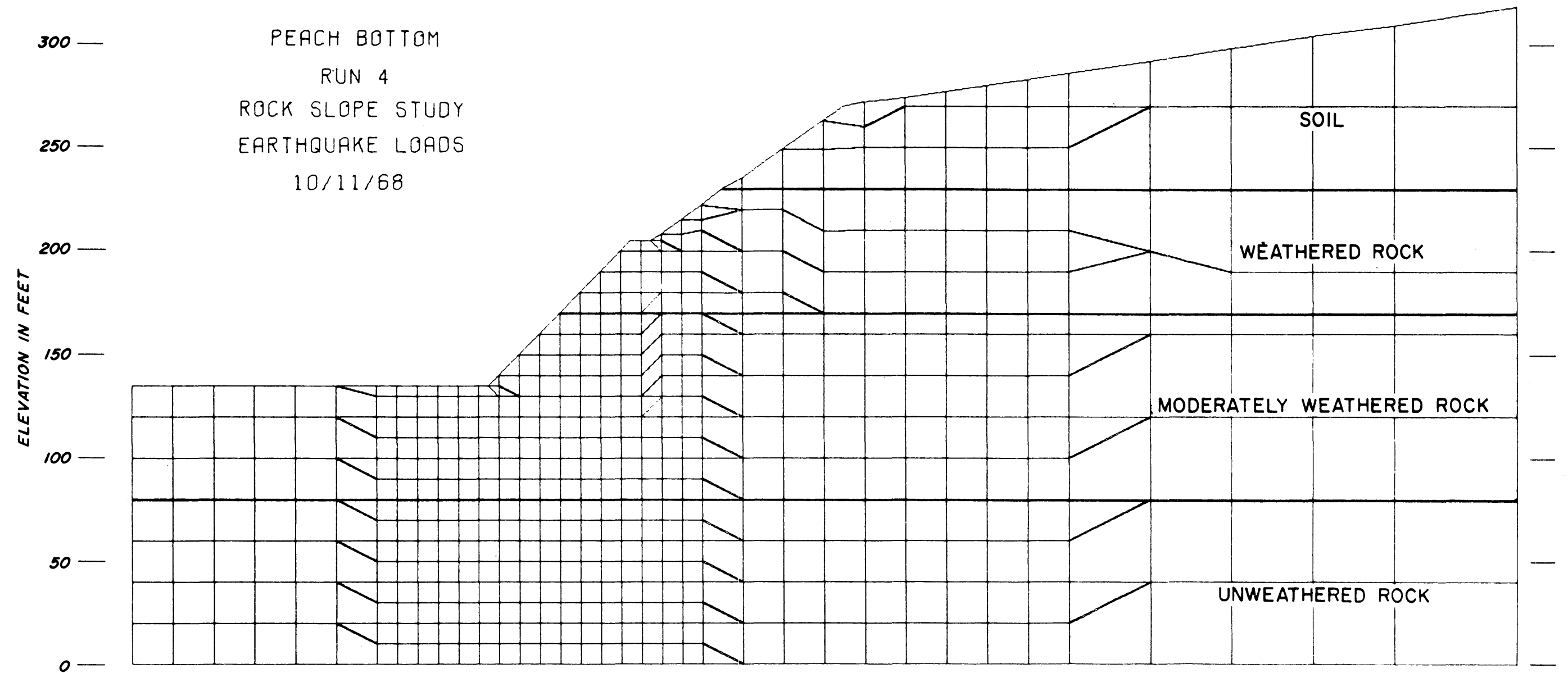


SOIL - ROCK PROFILE
CURVED SURFACE OF SLIDING ANALYSES

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
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UPDATED FINAL SAFETY ANALYSIS REPORT

SOIL—ROCK PROFILE

FIGURE 2.9.1



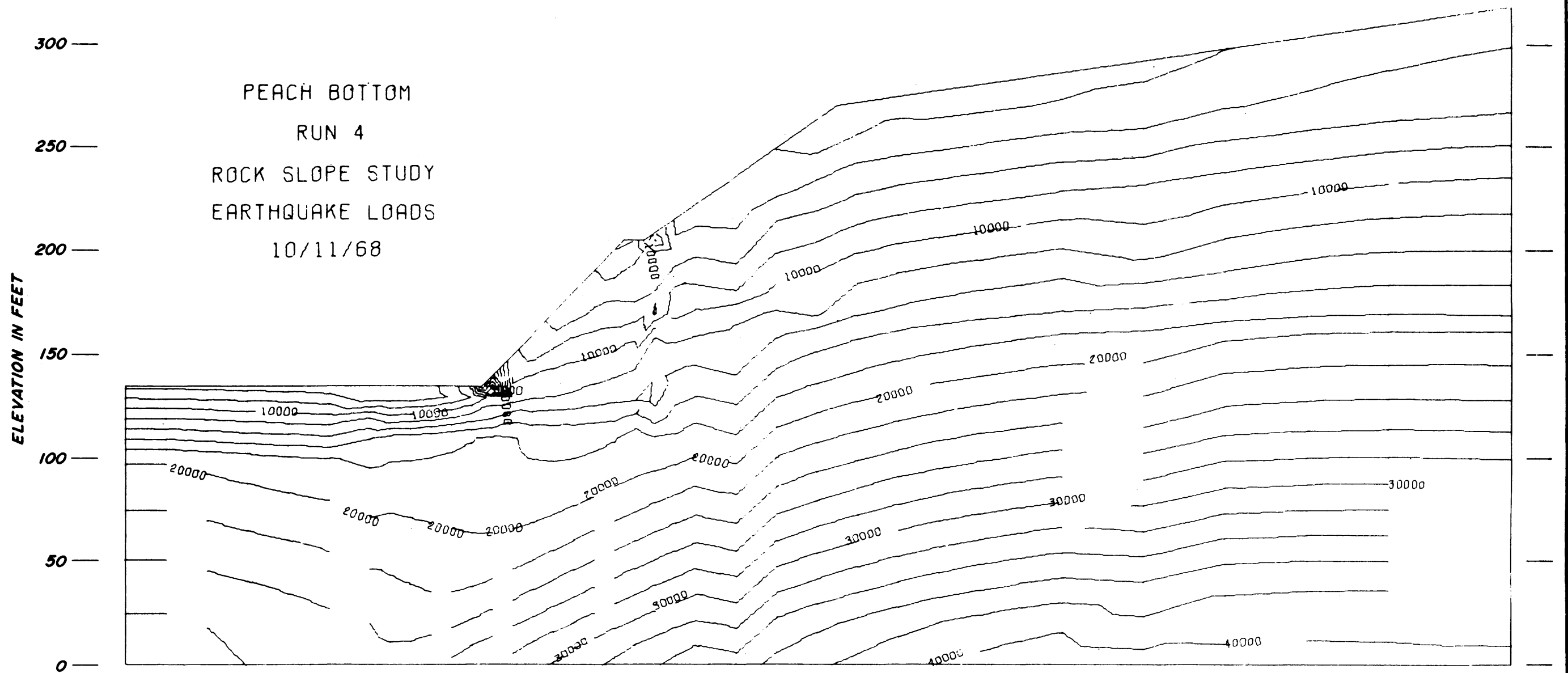
FINITE ELEMENT MESH

FINITE ELEMENT ANALYSES

PHILADELPHIA ELECTRIC COMPANY
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UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

FINITE ELEMENT MESH

FIGURE 2.9.2



MAXIMUM PRINCIPAL STRESS

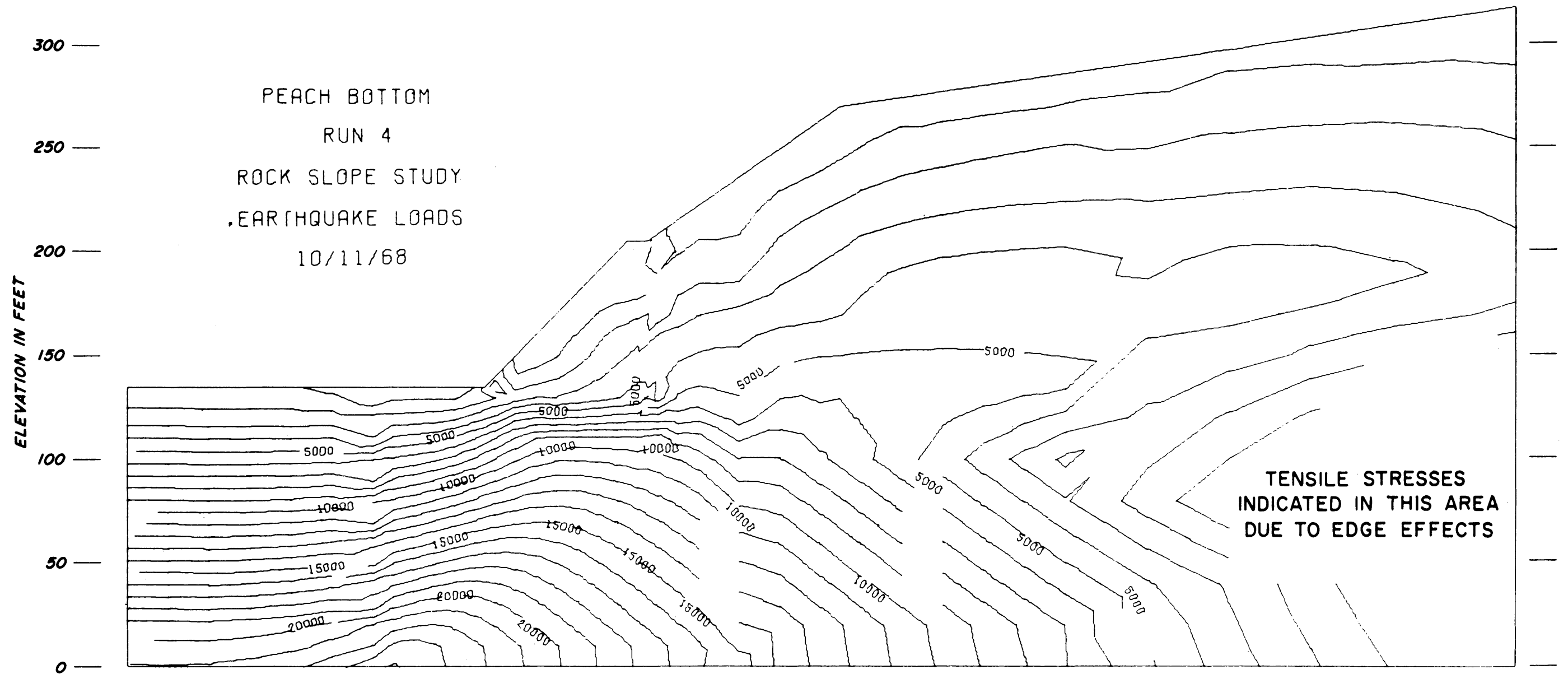
FINITE ELEMENT ANALYSES

CONTOUR INTERVAL = 2000 POUNDS PER SQUARE FOOT
POSITIVE VALUES INDICATE COMPRESSIVE STRESSES

PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT

MAXIMUM PRINCIPAL STRESS

FIGURE 2.9.3



MINIMUM PRINCIPAL STRESS

FINITE ELEMENT ANALYSES

CONTOUR INTERVAL = 1000 POUNDS PER SQUARE FOOT
POSITIVE VALUES INDICATE COMPRESSIVE STRESSES

PHILADELPHIA ELECTRIC COMPANY
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MINIMUM PRINCIPAL STRESS

FIGURE 2.9.4

