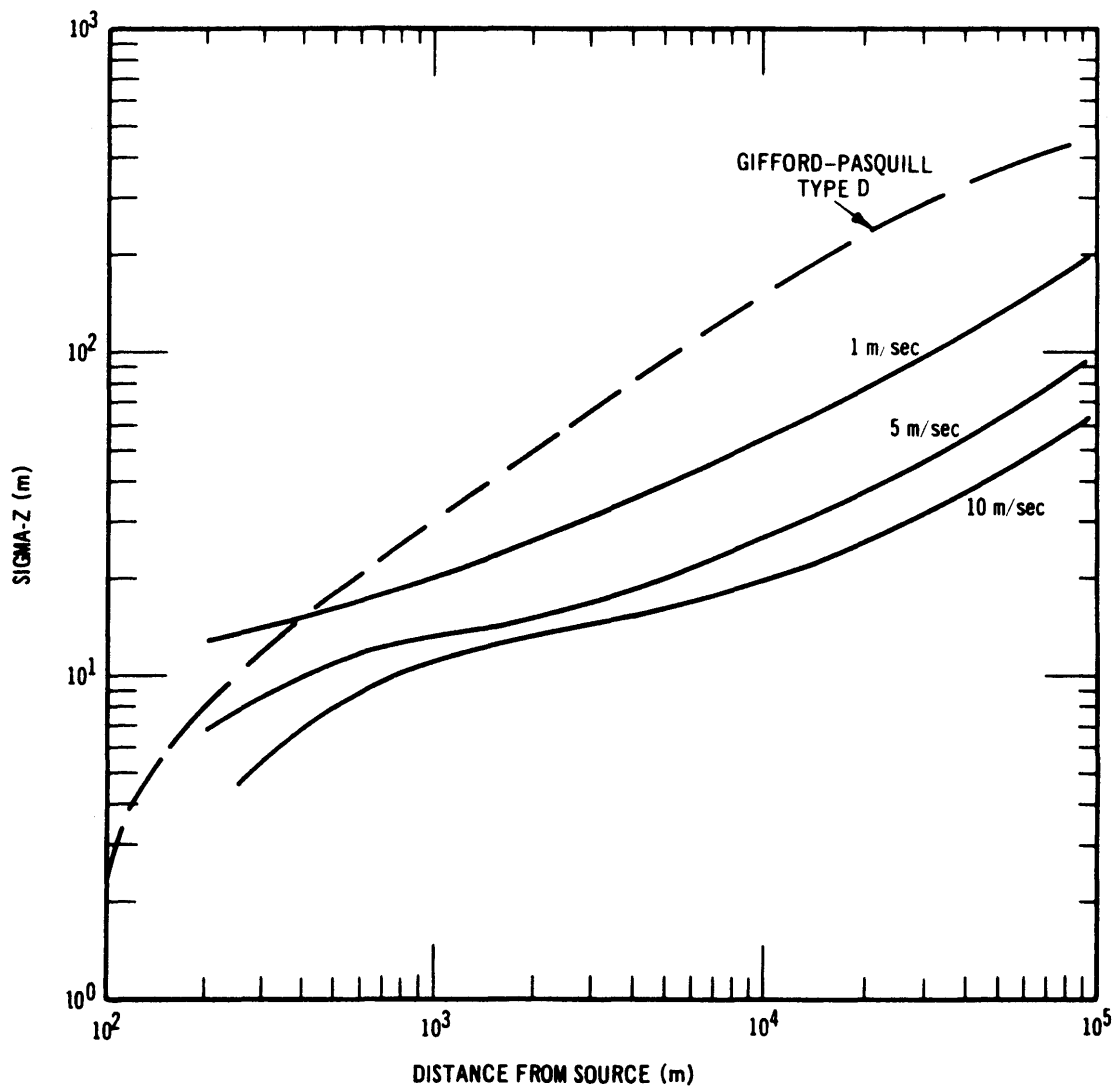


**PHILADELPHIA ELECTRIC COMPANY
PEACH BOTTOM ATOMIC POWER STATION
UNITS 2 AND 3
UPDATED FINAL SAFETY ANALYSIS REPORT**

**VERTICAL CLOUD WIDTH
VERSUS DISTANCE —
VERY STABLE**

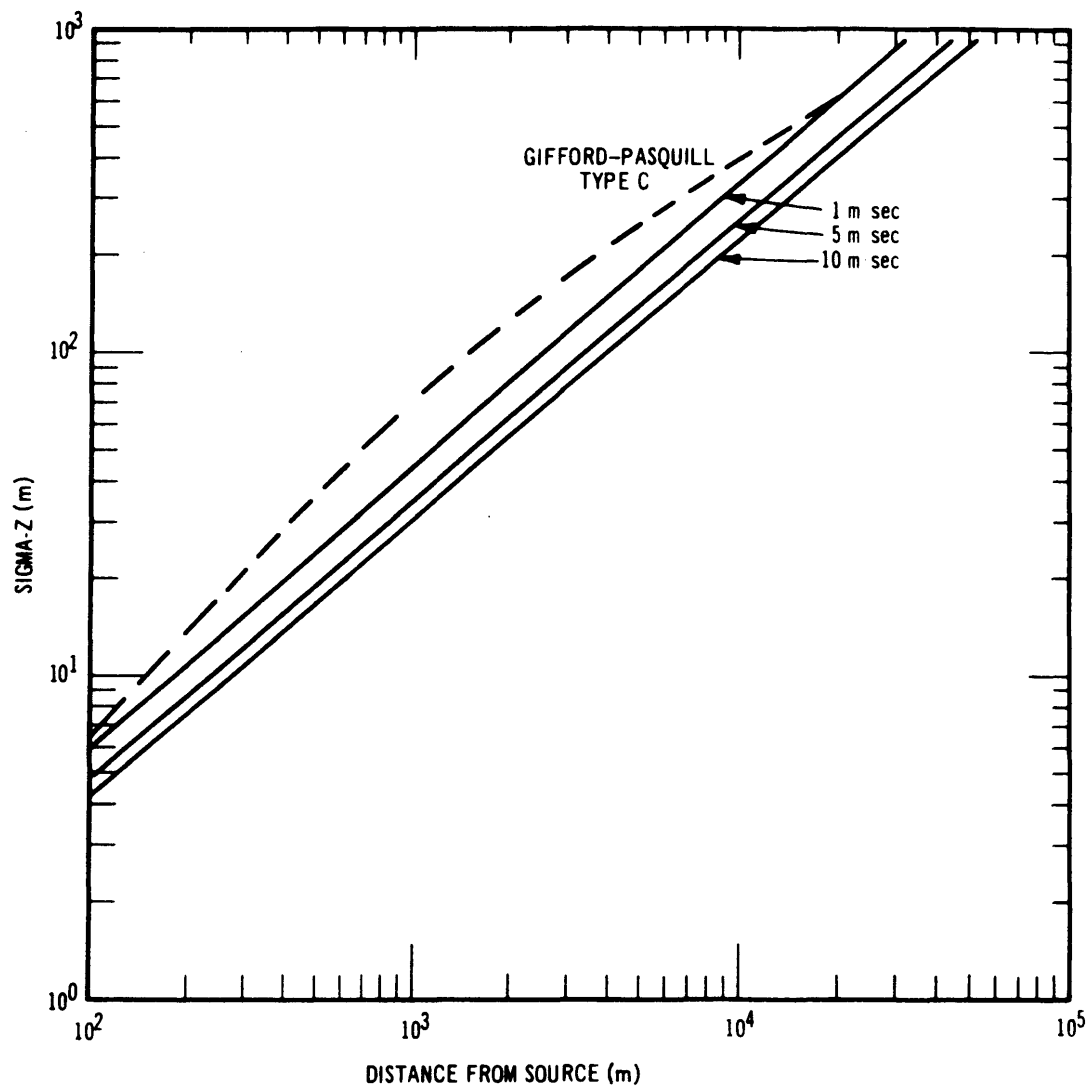
FIGURE E.1.1



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

**VERTICAL CLOUD WIDTH
VERSUS DISTANCE –
MODERATELY STABLE**

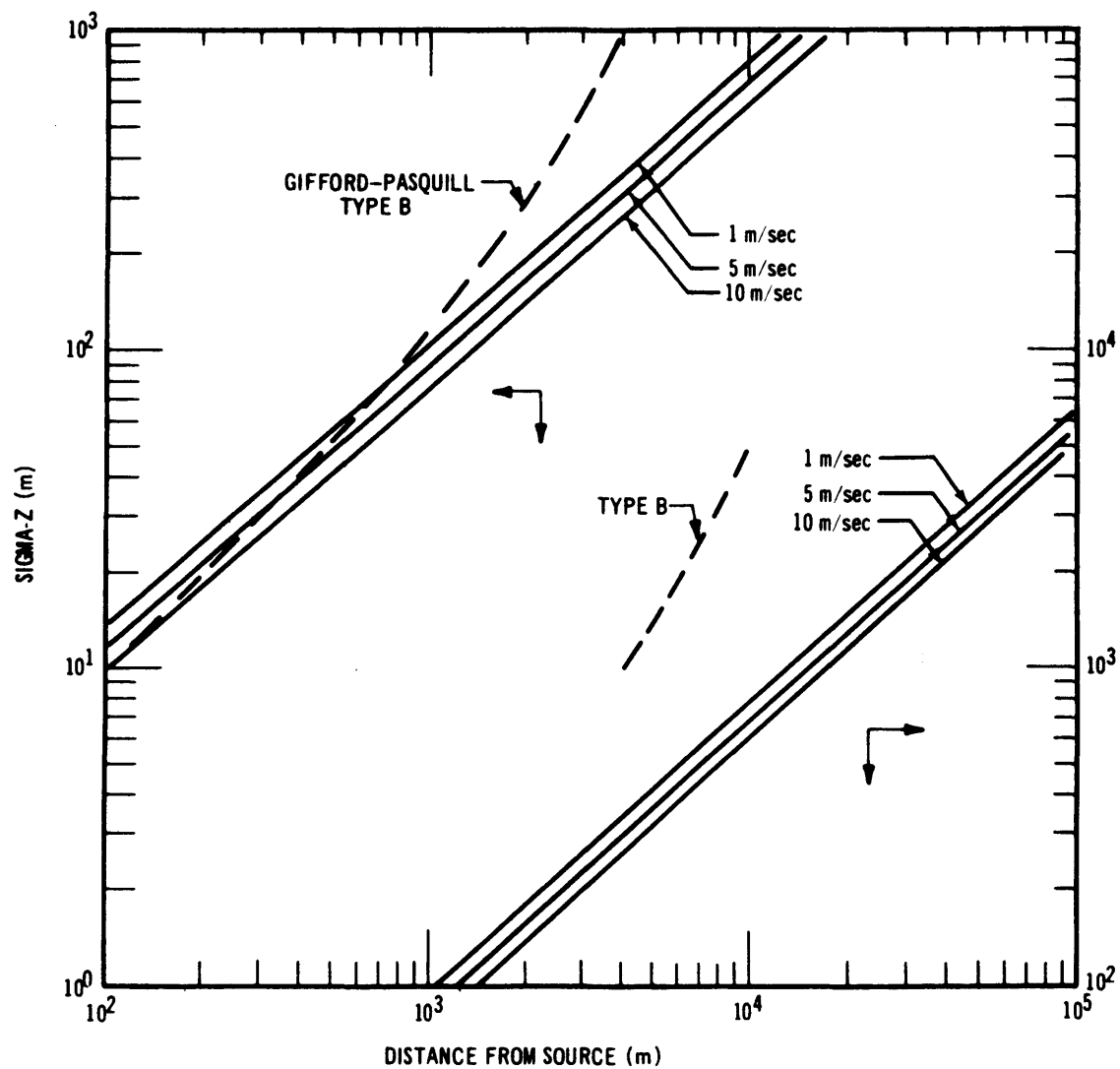
FIGURE E.1.2



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

**VERTICAL CLOUD WIDTH
VERSUS DISTANCE —
NEUTRAL**

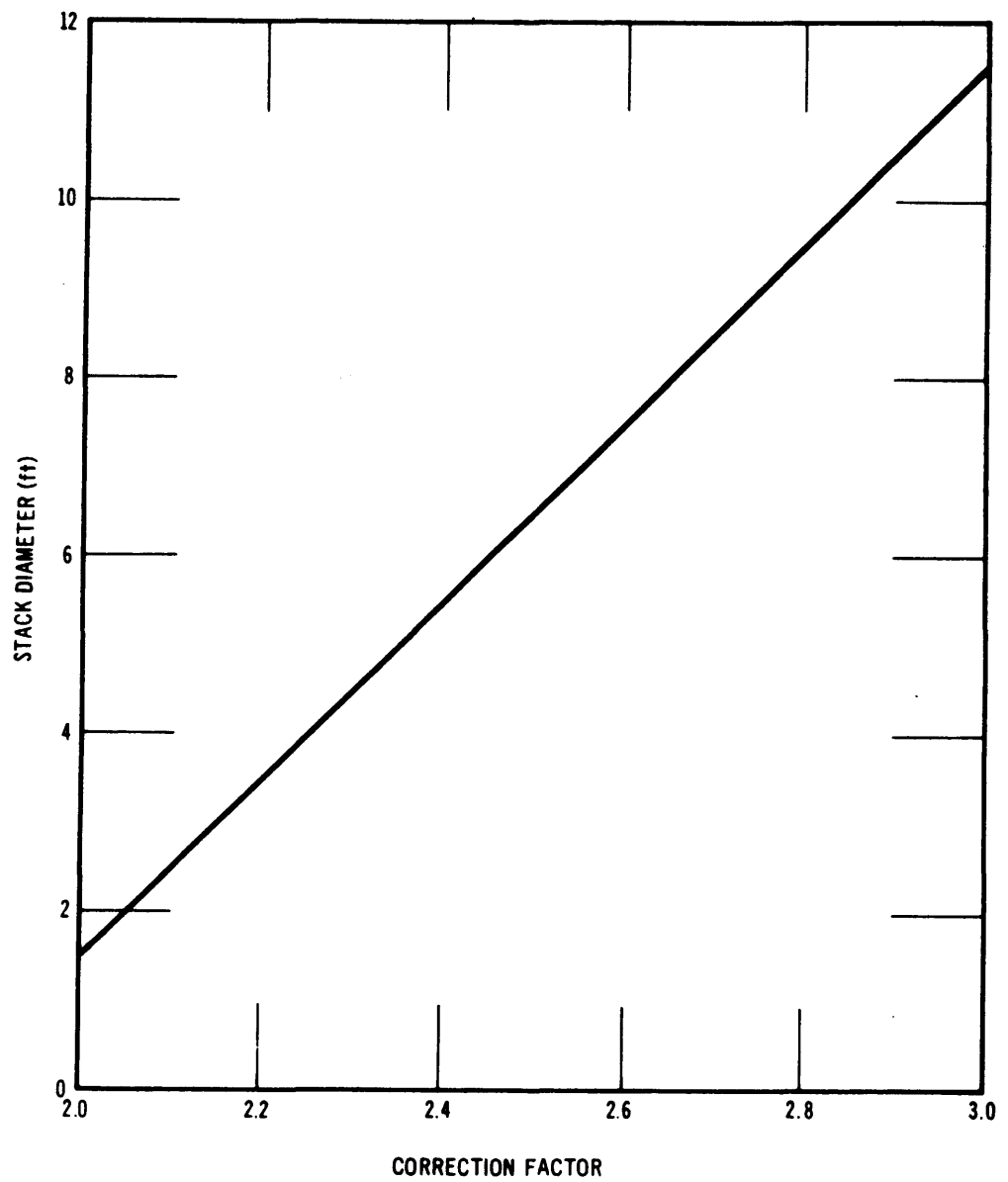
FIGURE E.1.3



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

**VERTICAL CLOUD WIDTH
VERSUS DISTANCE —
UNSTABLE**

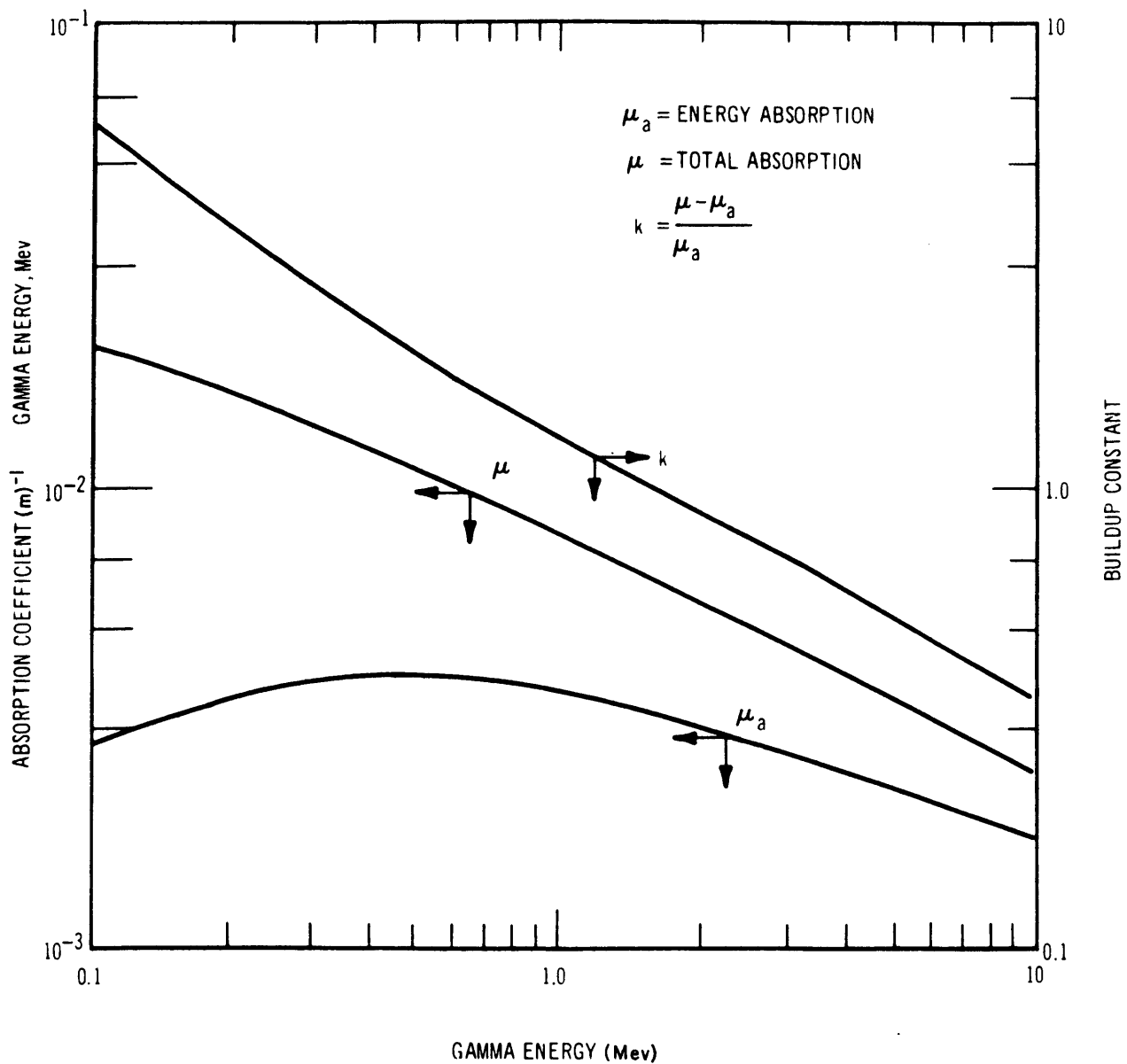
FIGURE E.1.4



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

**HOLLAND PLUME RISE
CORRECTION FACTOR**

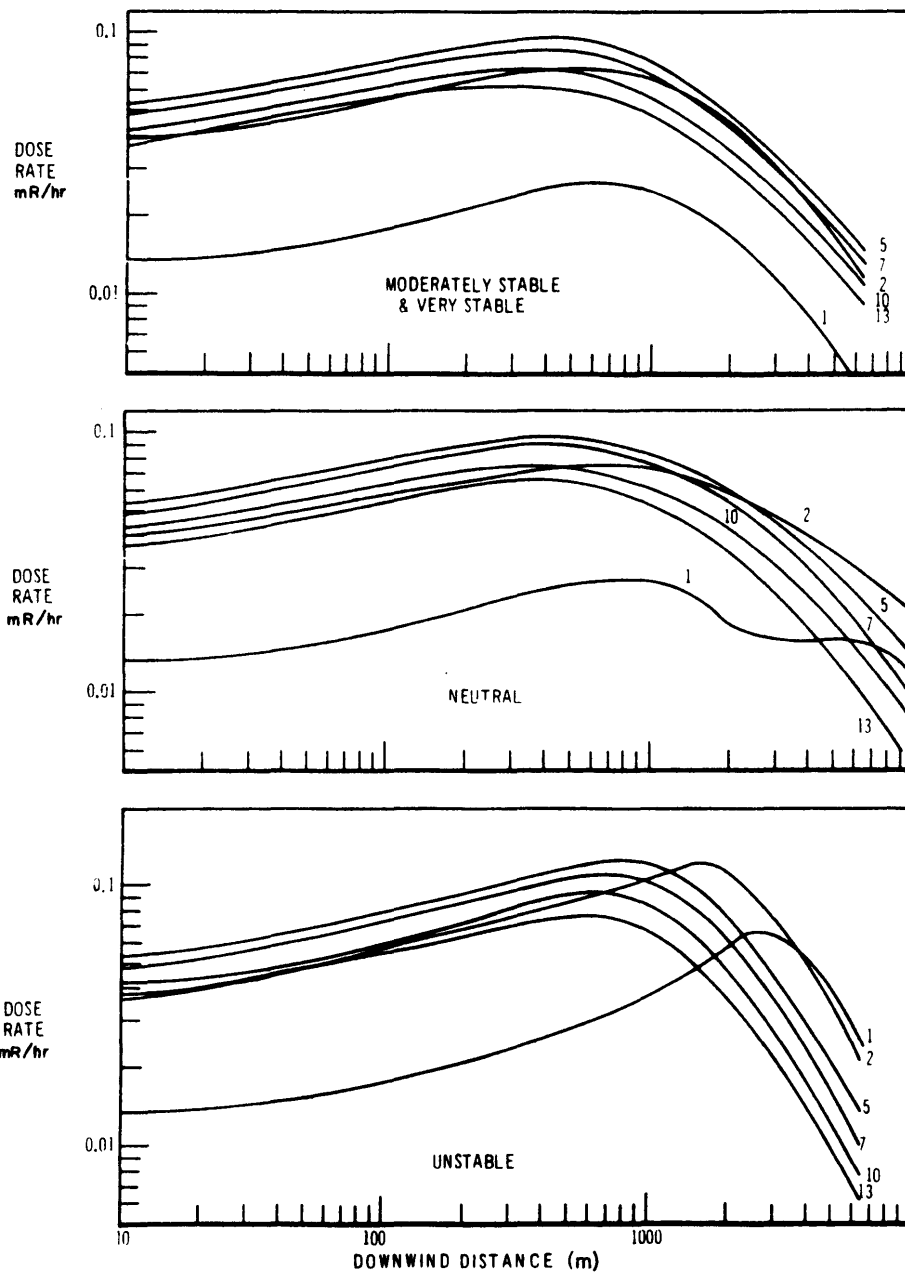
FIGURE E.1.5



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

GAMMA RADIATION ABSORPTION
 COEFFICIENTS AND BUILDUP
 CONSTANTS FOR AIR, STP

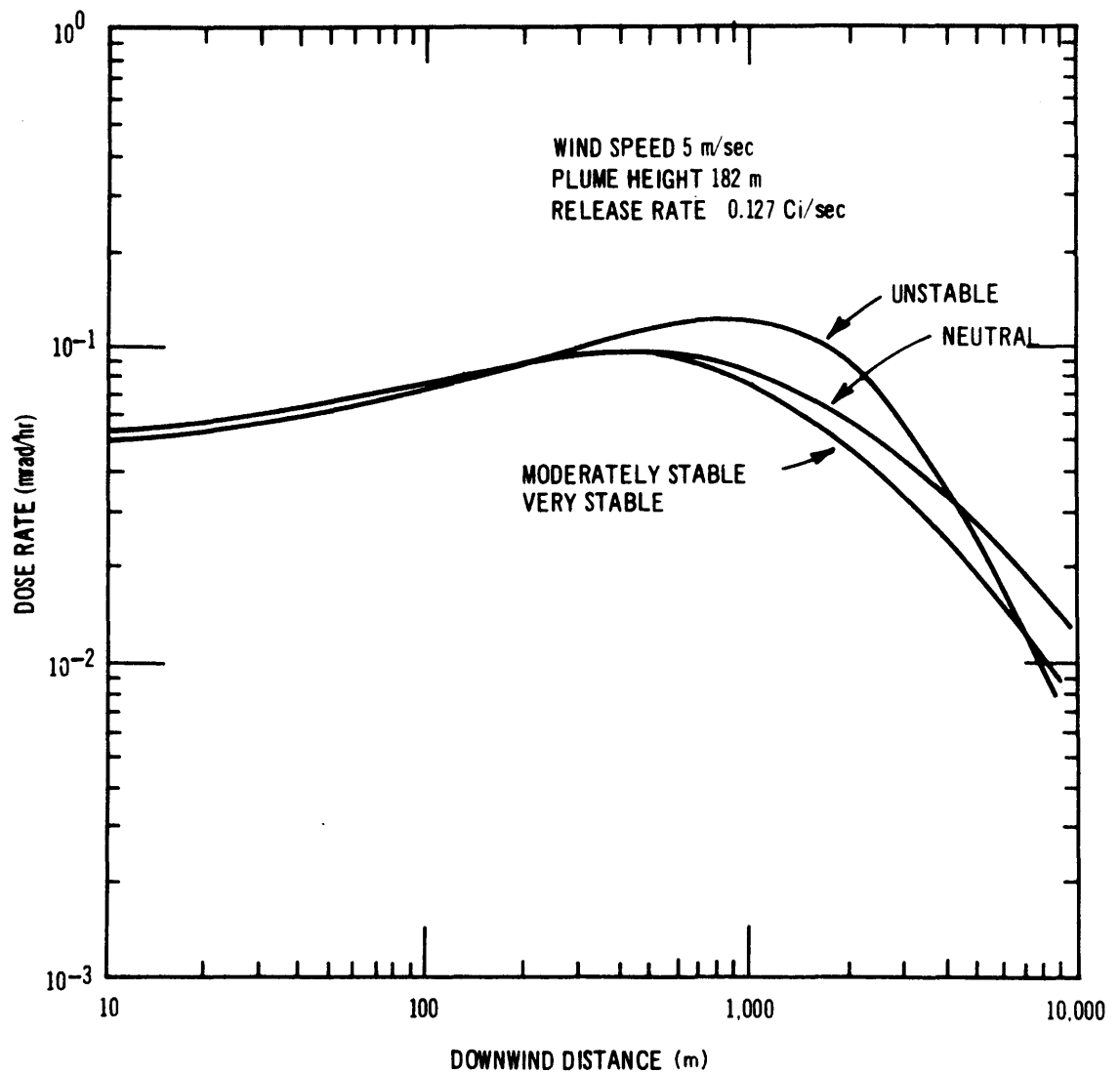
FIGURE E.1.6



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

**GAMMA DOSE RATE FOR VARIOUS
WIND SPEEDS AND STABILITIES
FOR BGRR STACK
(RELEASE RATE 0.127 Ci/sec)**

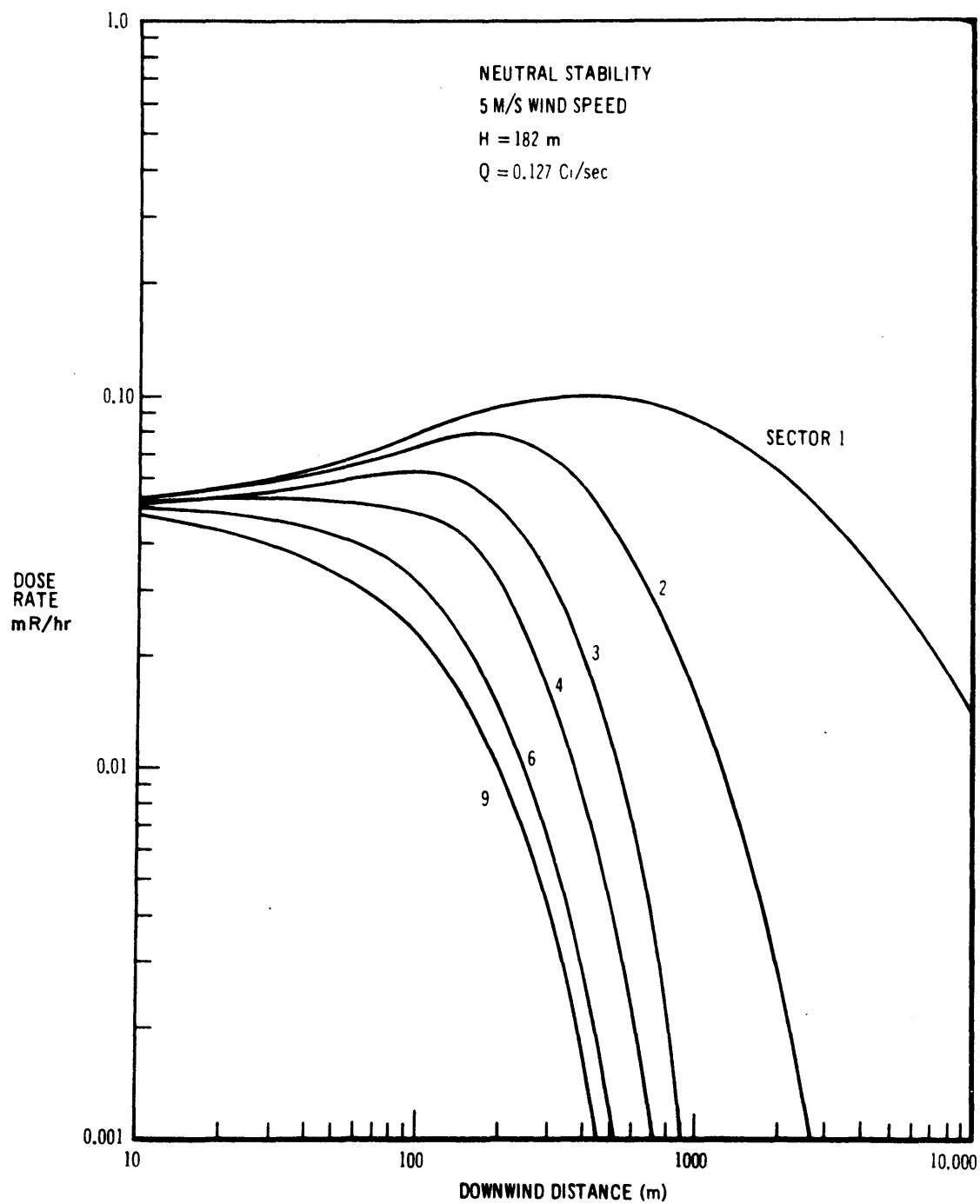
FIGURE E.2.1



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

**GAMMA DOSE RATE IN AIR FOR
VARIOUS STABILITY CONDITIONS**

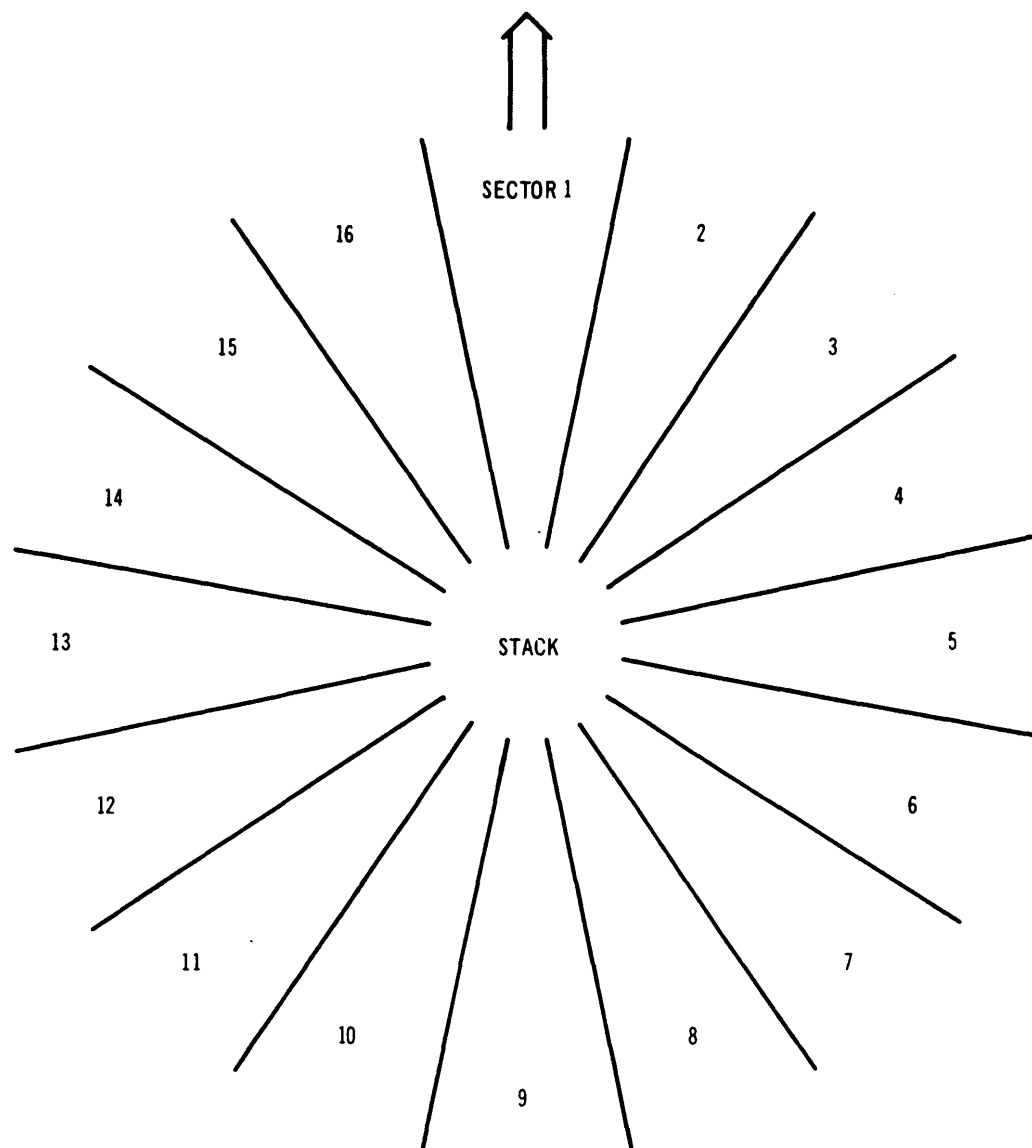
FIGURE E.2.2



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

DOSE RATE IN EACH SECTOR

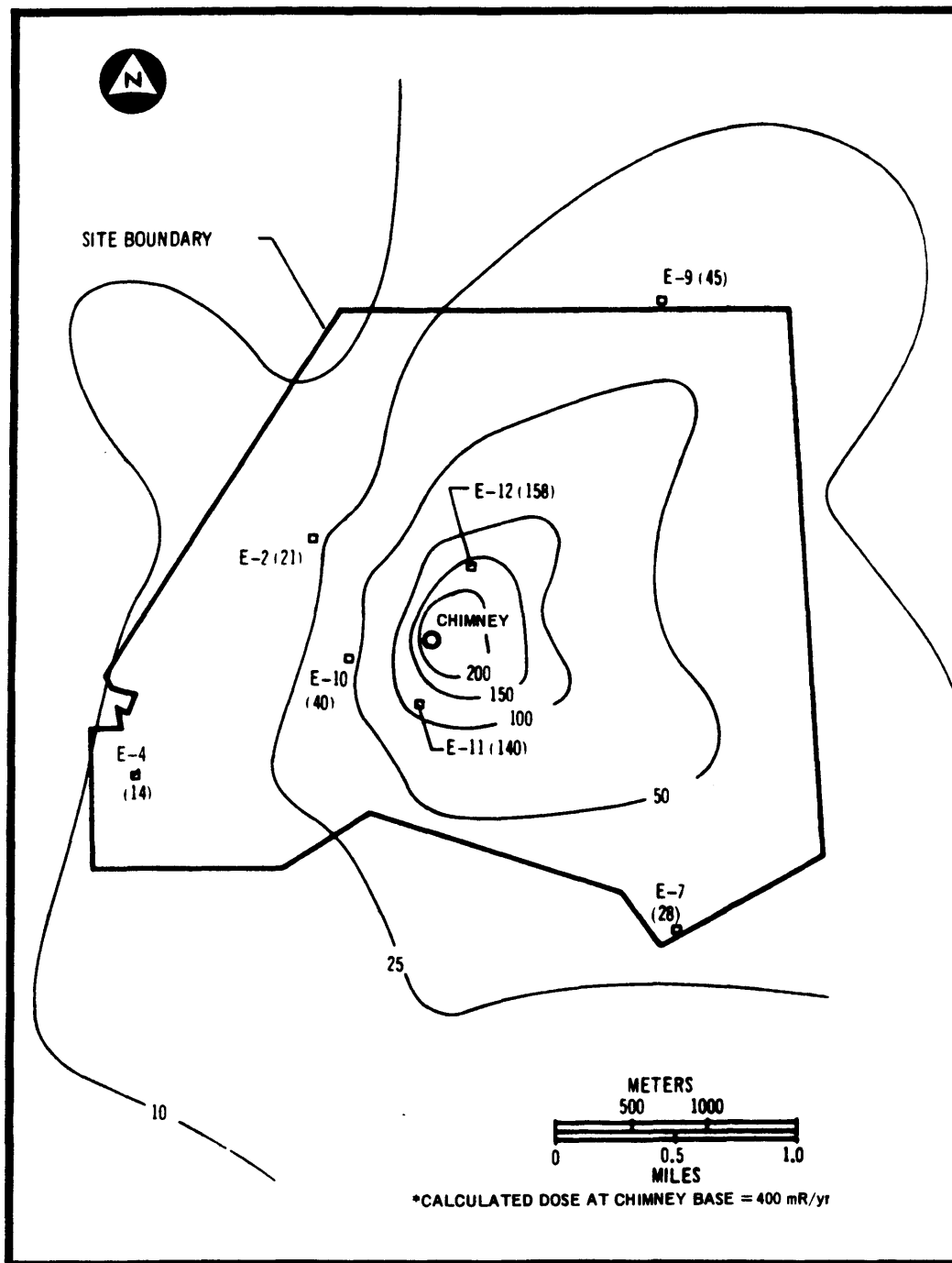
FIGURE E.2.3



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

**NOMENCLATURE OF SECTORS
USED FOR AVERAGING**

FIGURE E.2.4



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

**WHOLE-BODY GAMMA DOSE (mR/yr)
PATTERN AROUND BGRR STACK**

FIGURE E.2.5