

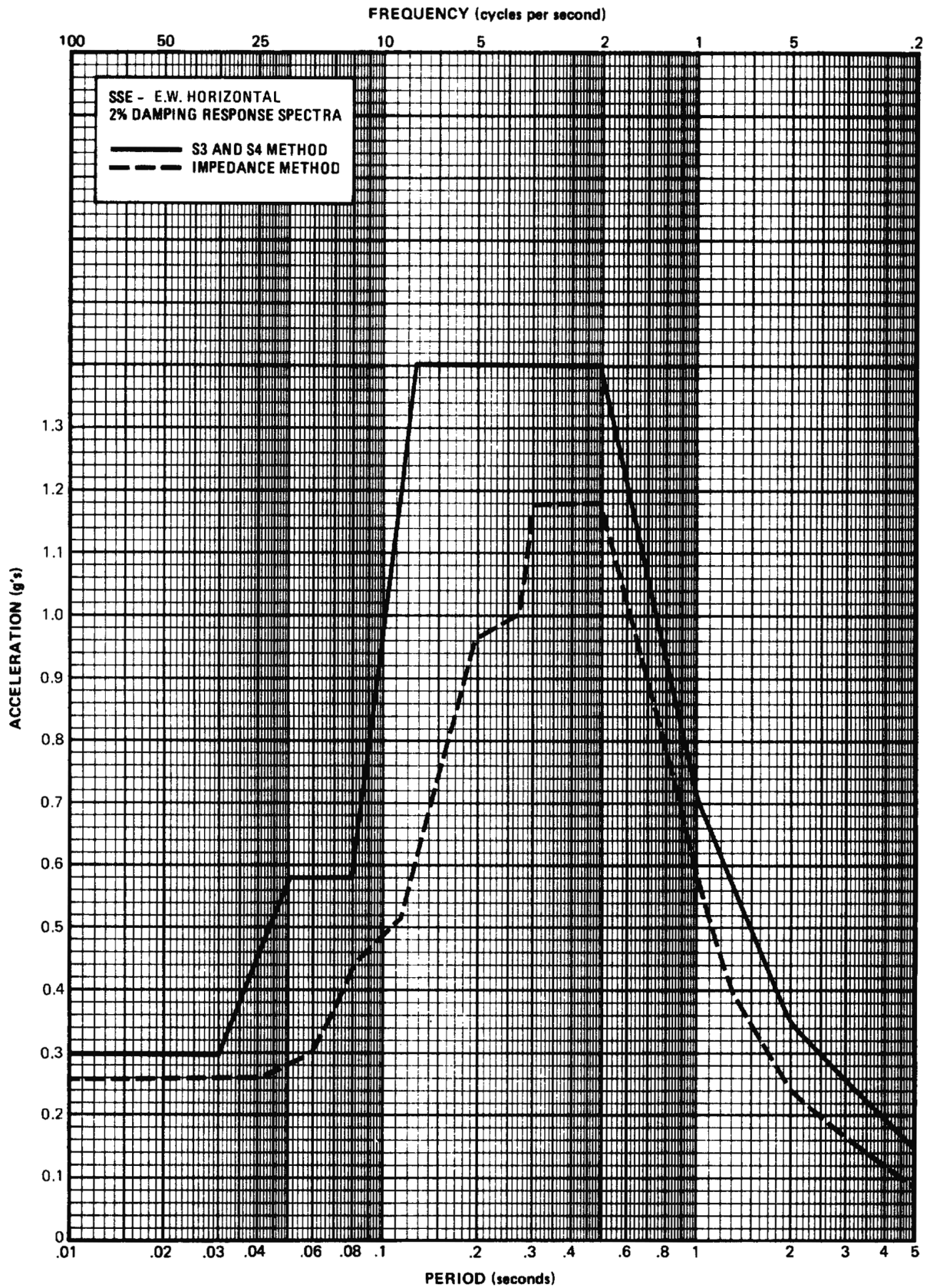
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VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTROL BUILDING
EL. 180 FT. BASEMAT

FIGURE 3D-93



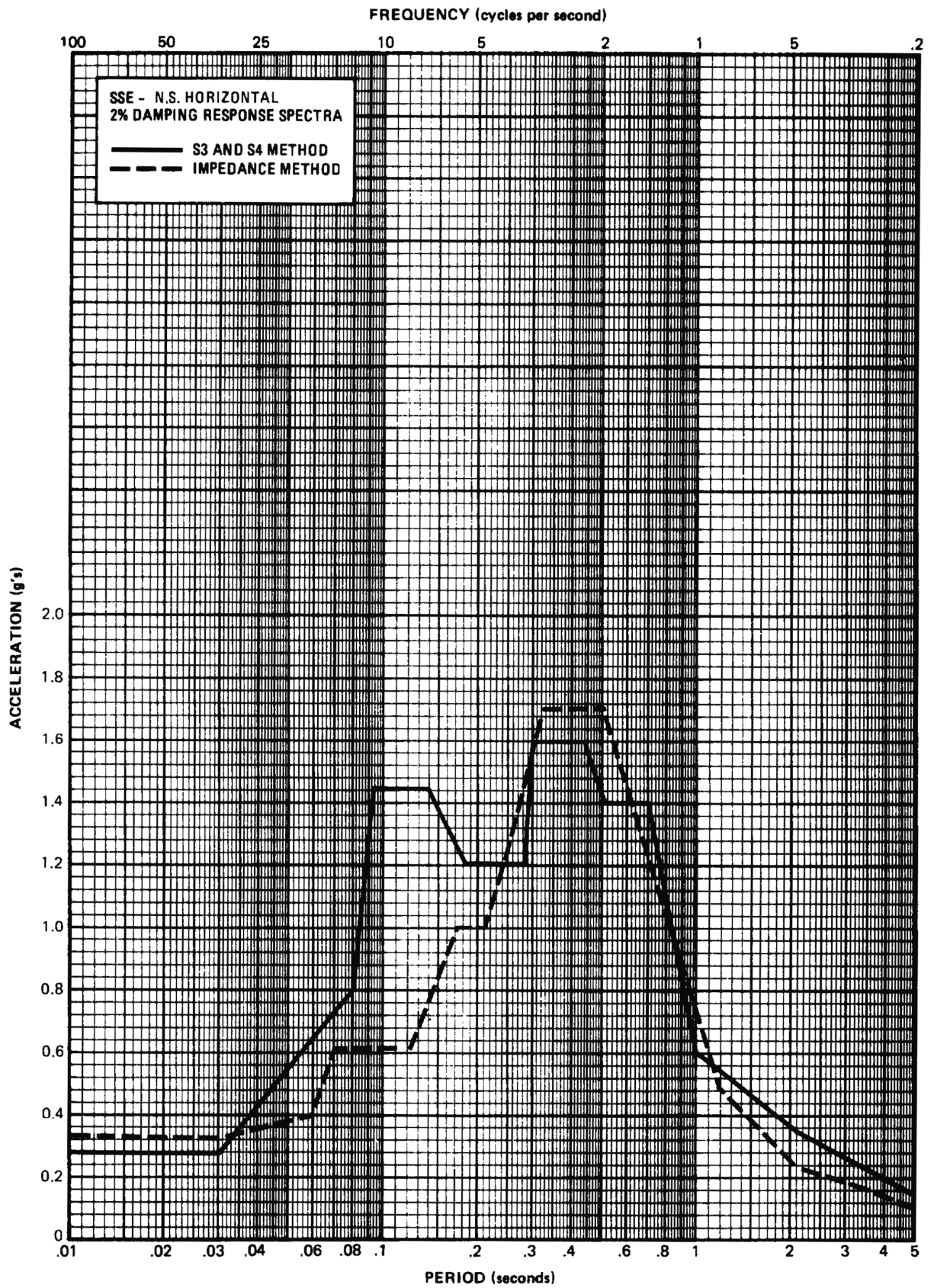
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

CONTROL BUILDING
 EL. 220 FT.

FIGURE 3D-94



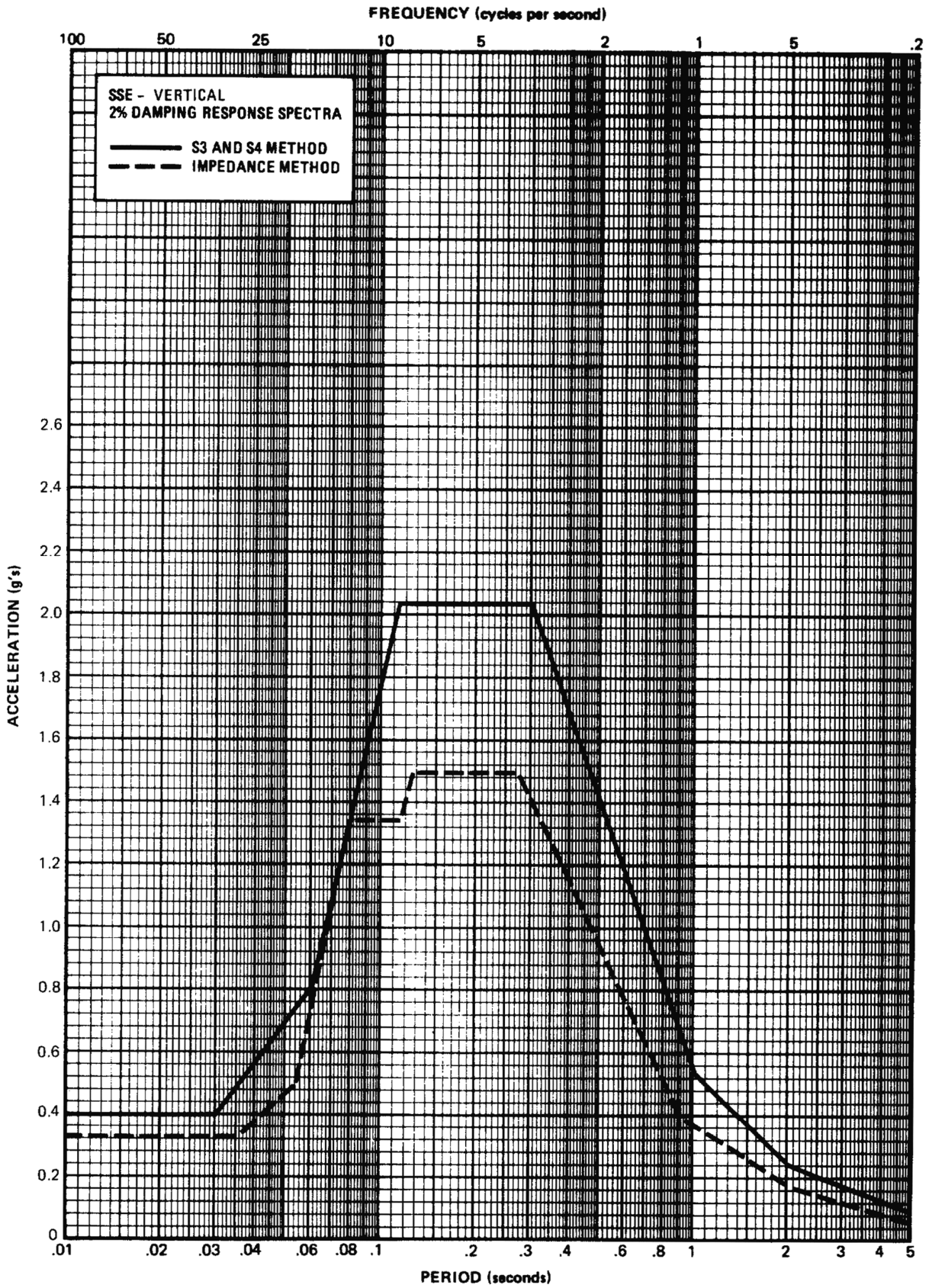
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTROL BUILDING
EL. 220 FT.

FIGURE 3D-95



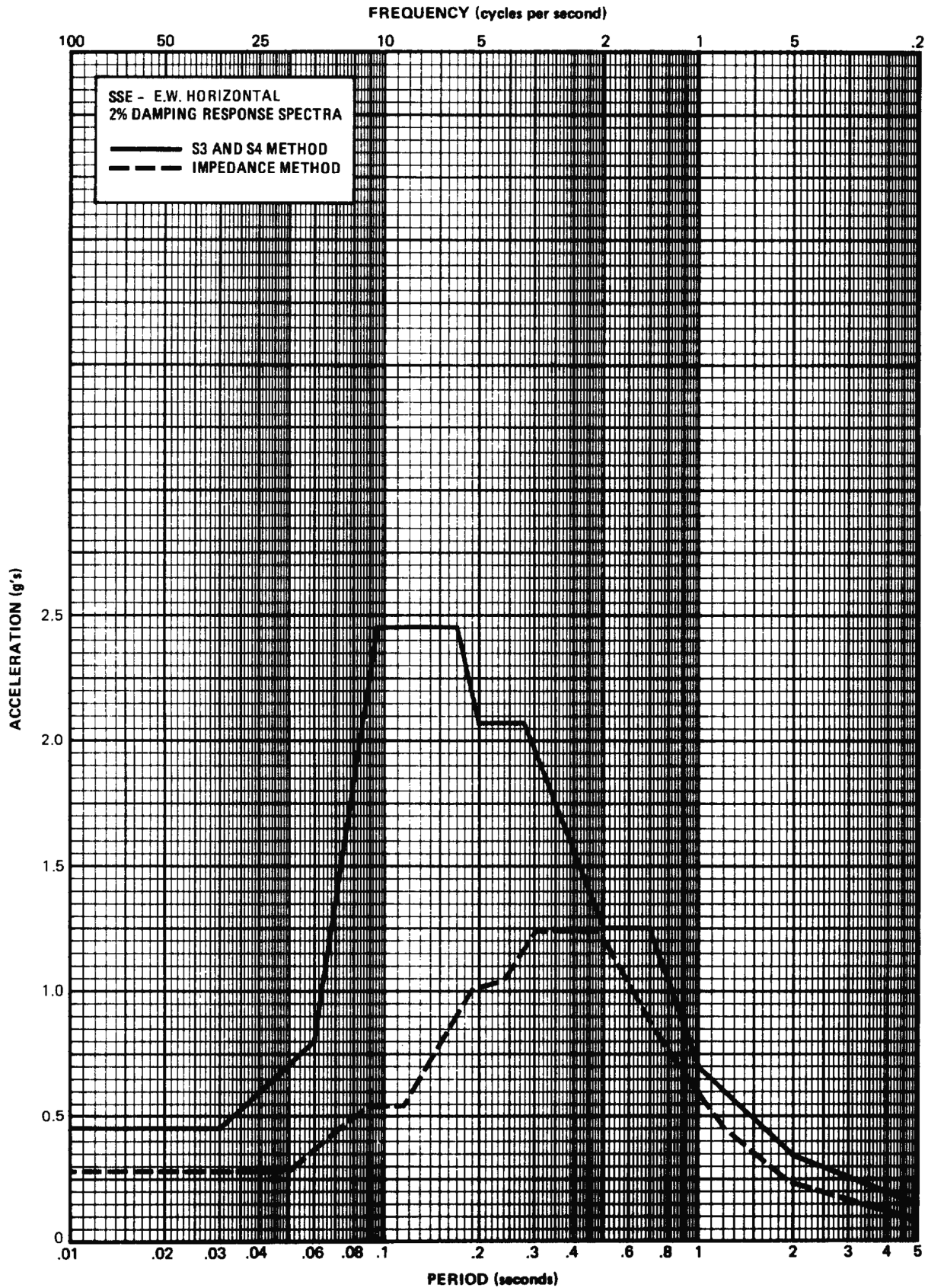
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTROL BUILDING
EL. 220 FT.

FIGURE 3D-96



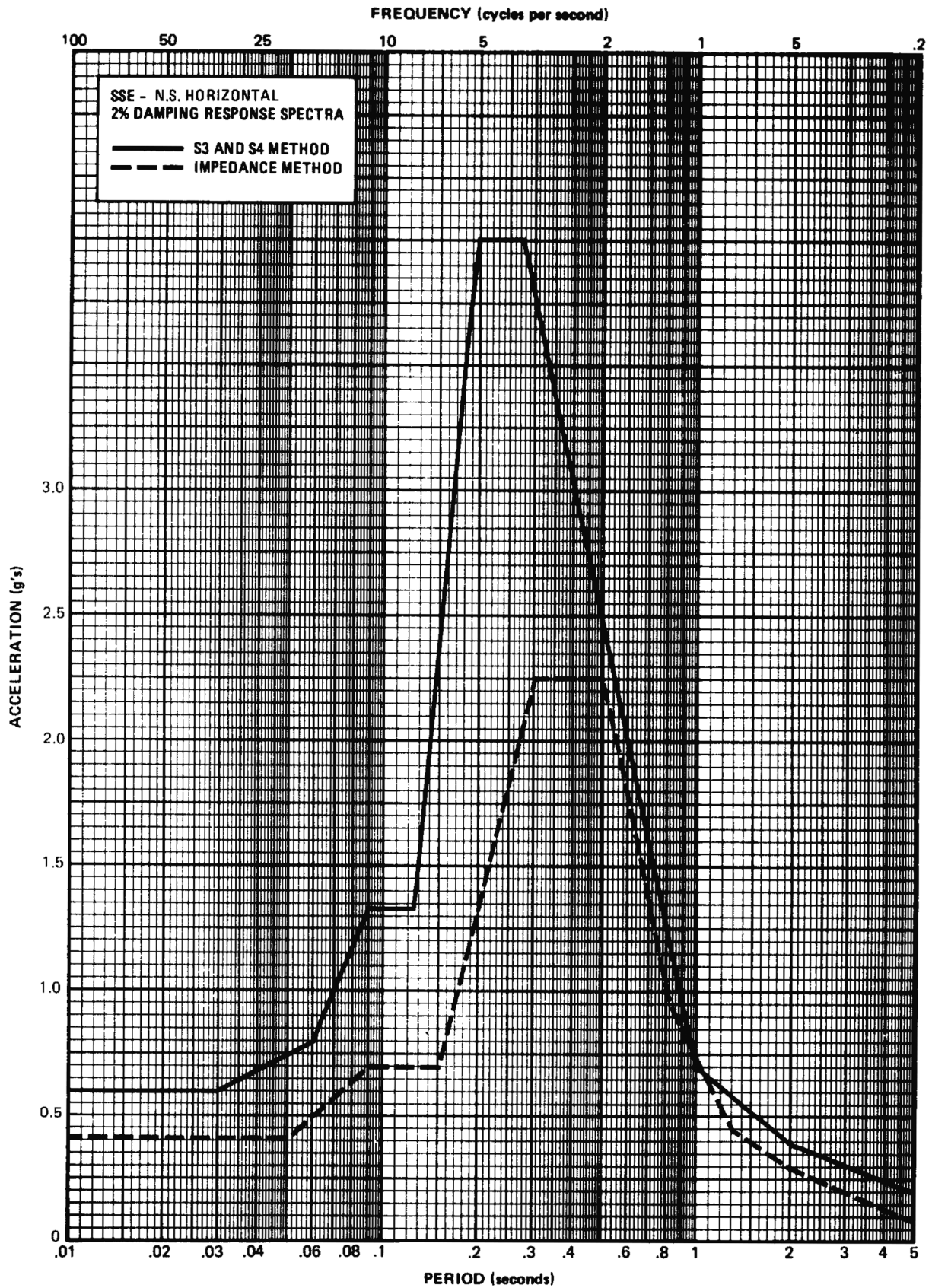
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

CONTROL BUILDING
 EL. 260 FT.

FIGURE 3D-97



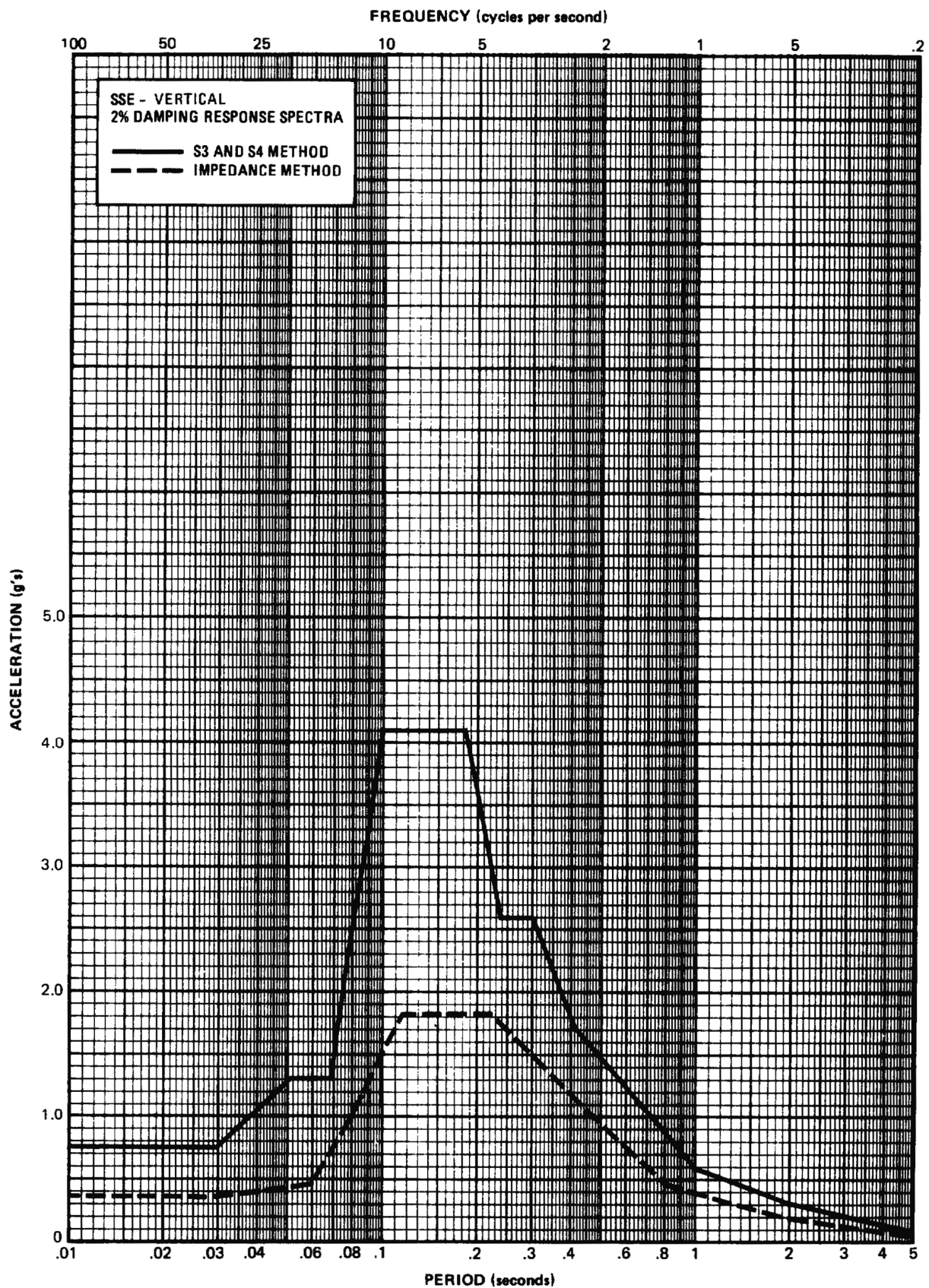
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTROL BUILDING
EL. 260 FT.

FIGURE 3D-98



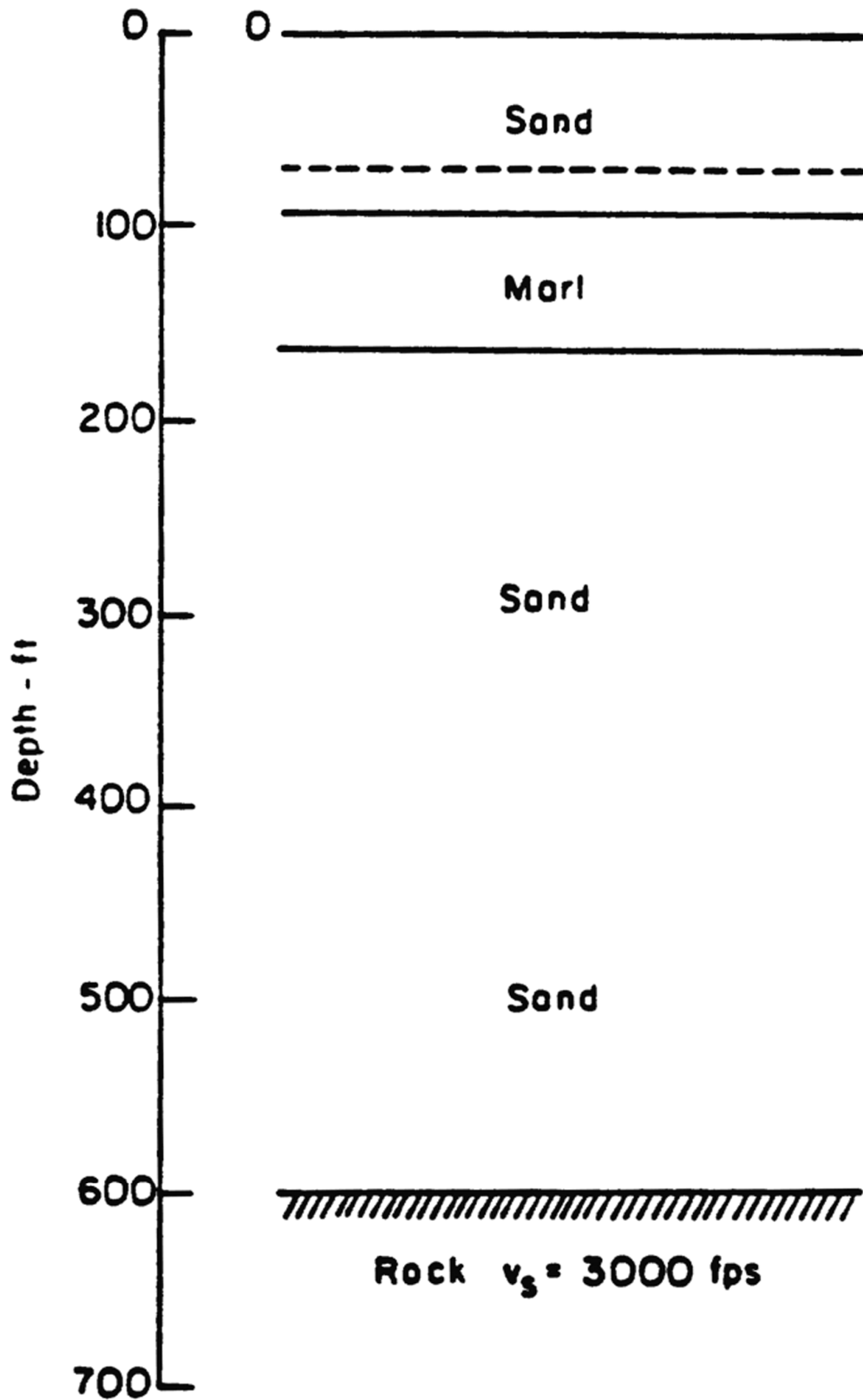
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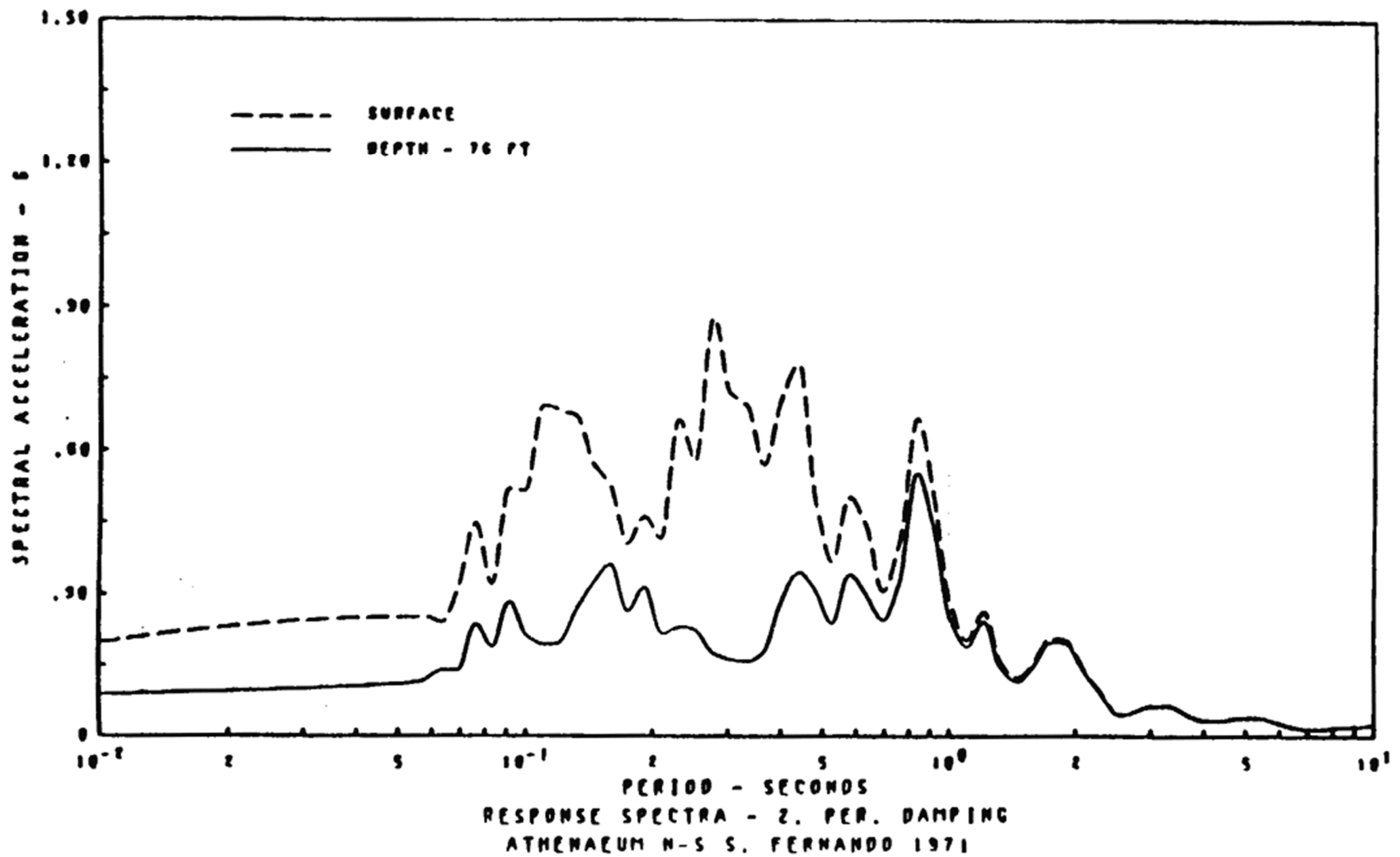
VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTROL BUILDING
EL. 260 FT

FIGURE 3D-99



REV 14 10/07



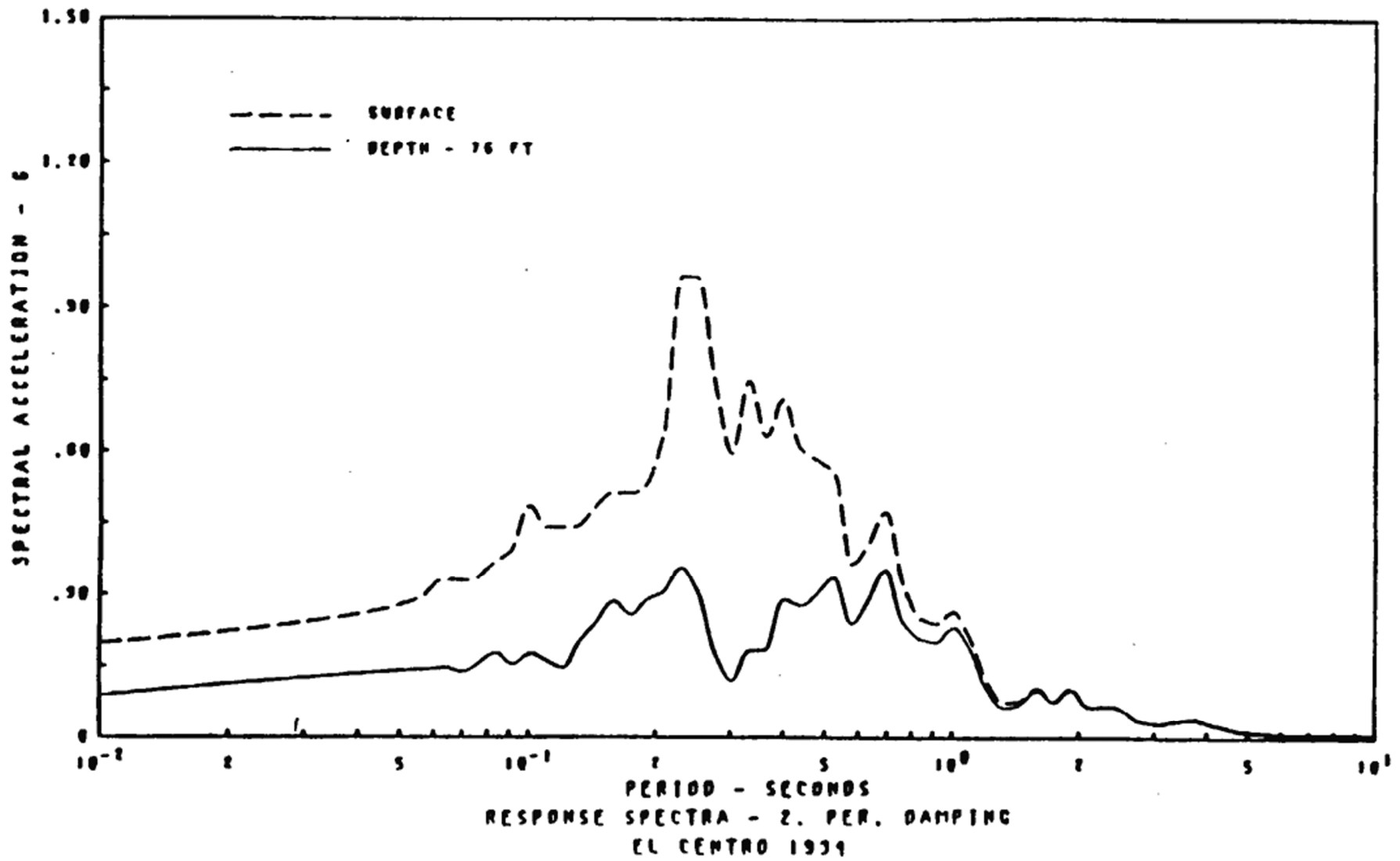
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-101



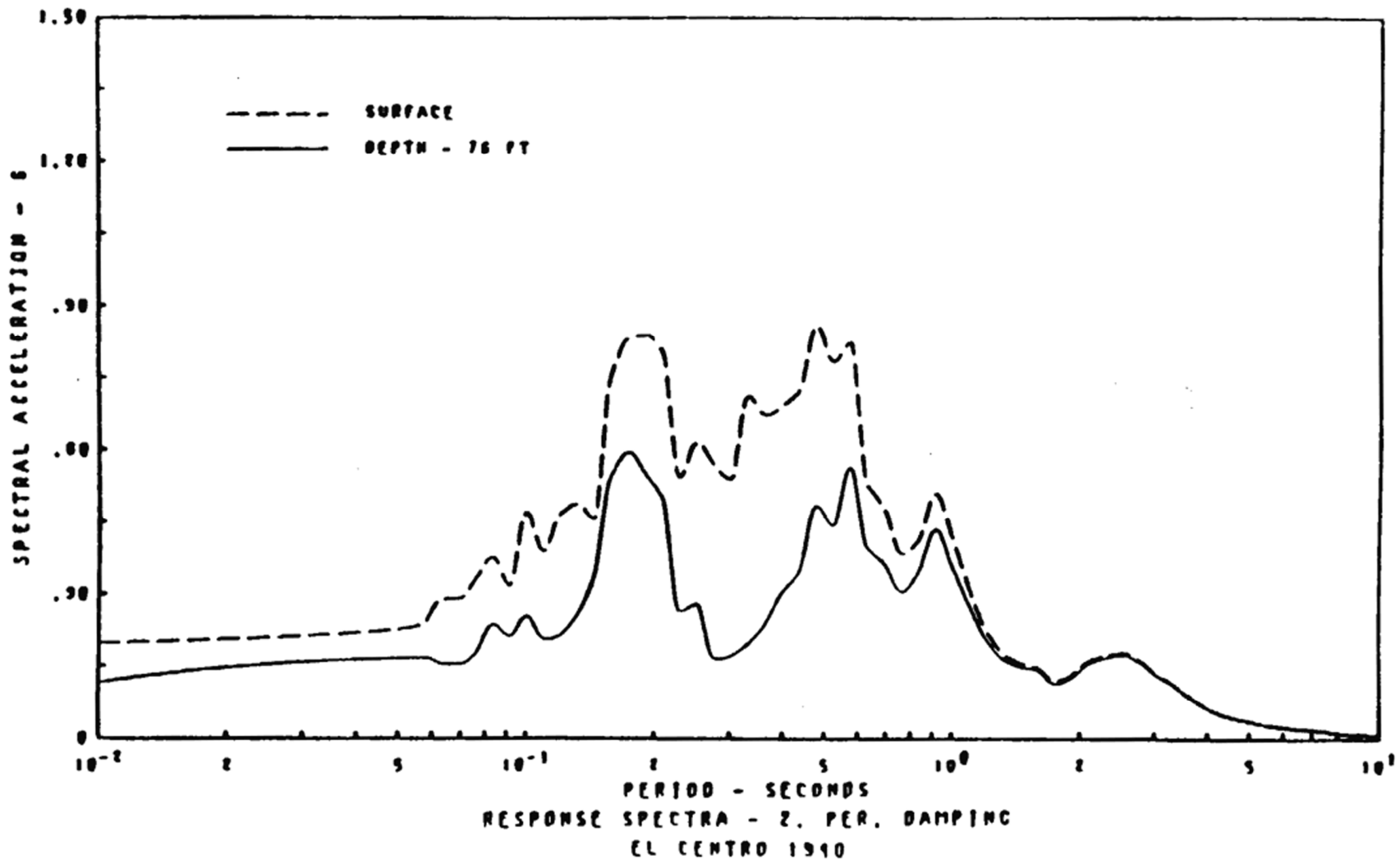
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-102



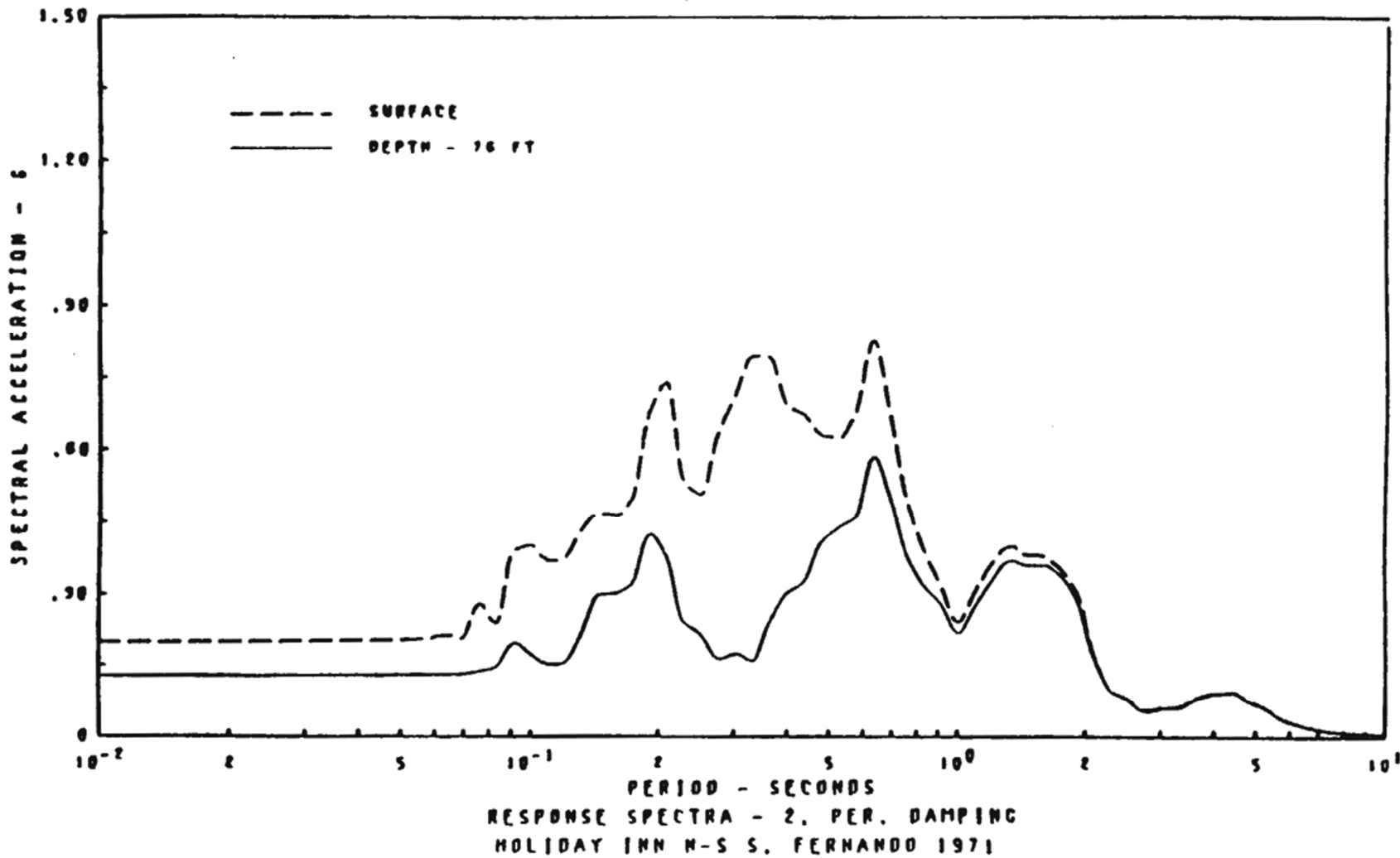
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-103



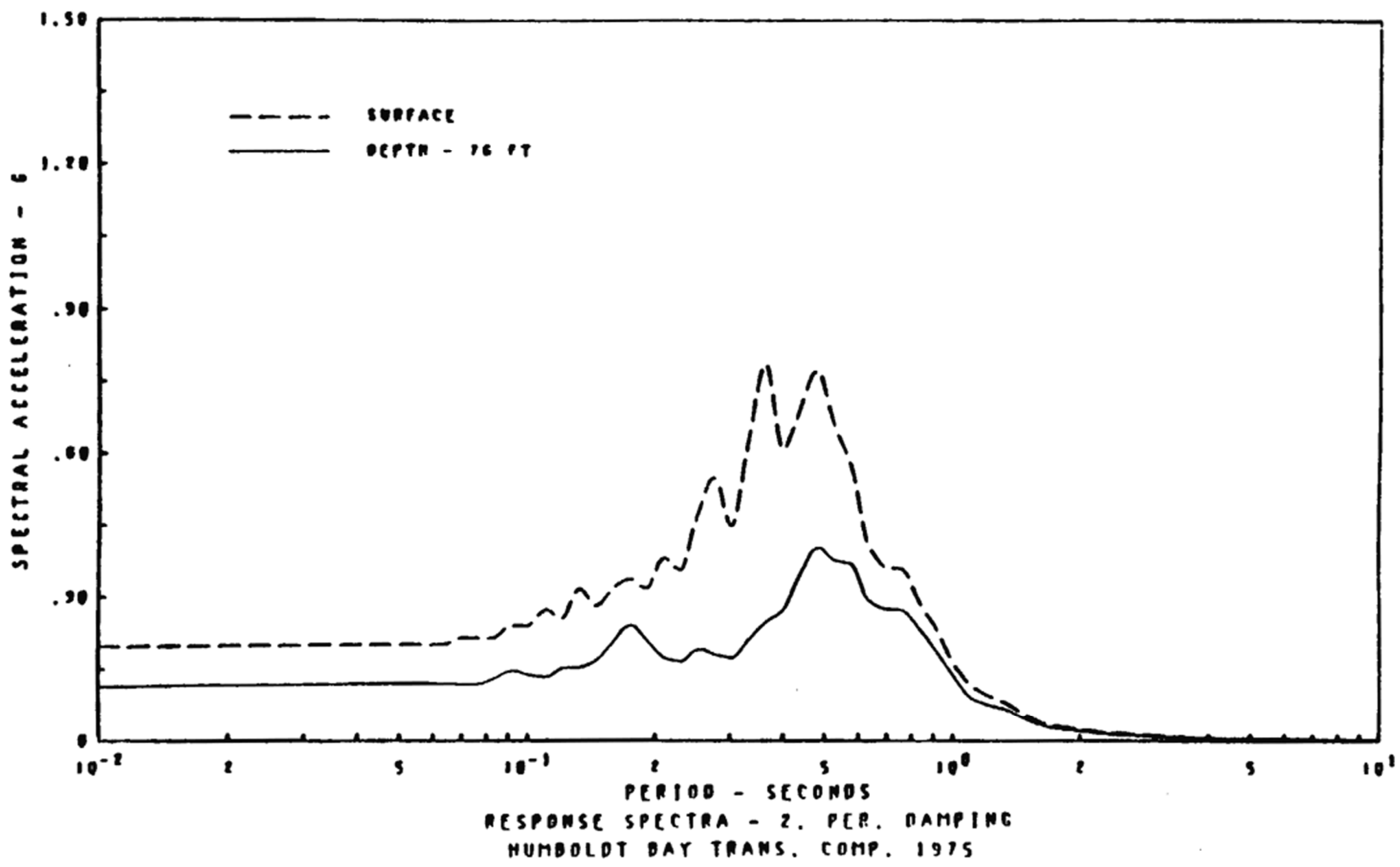
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-104



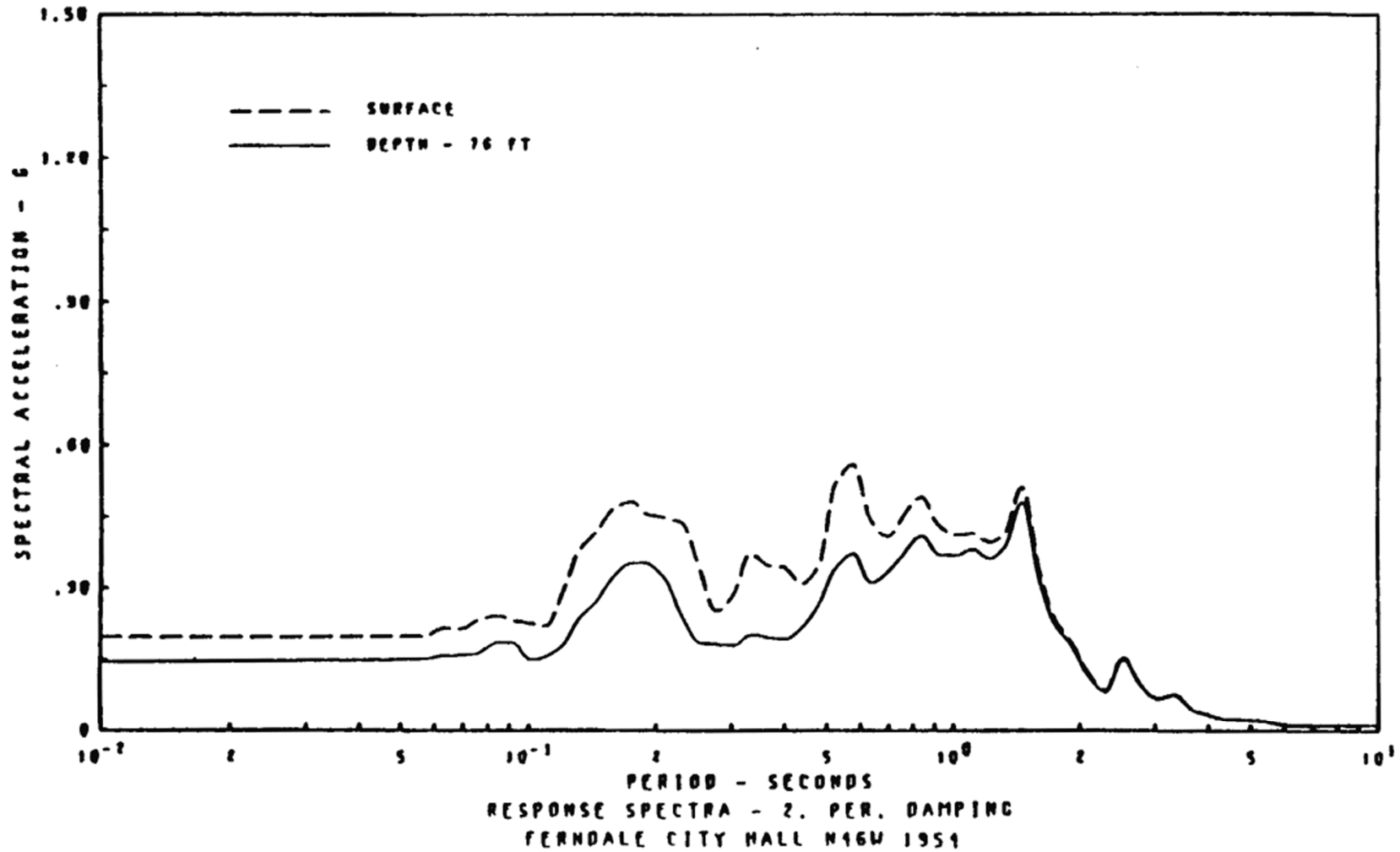
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VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-105



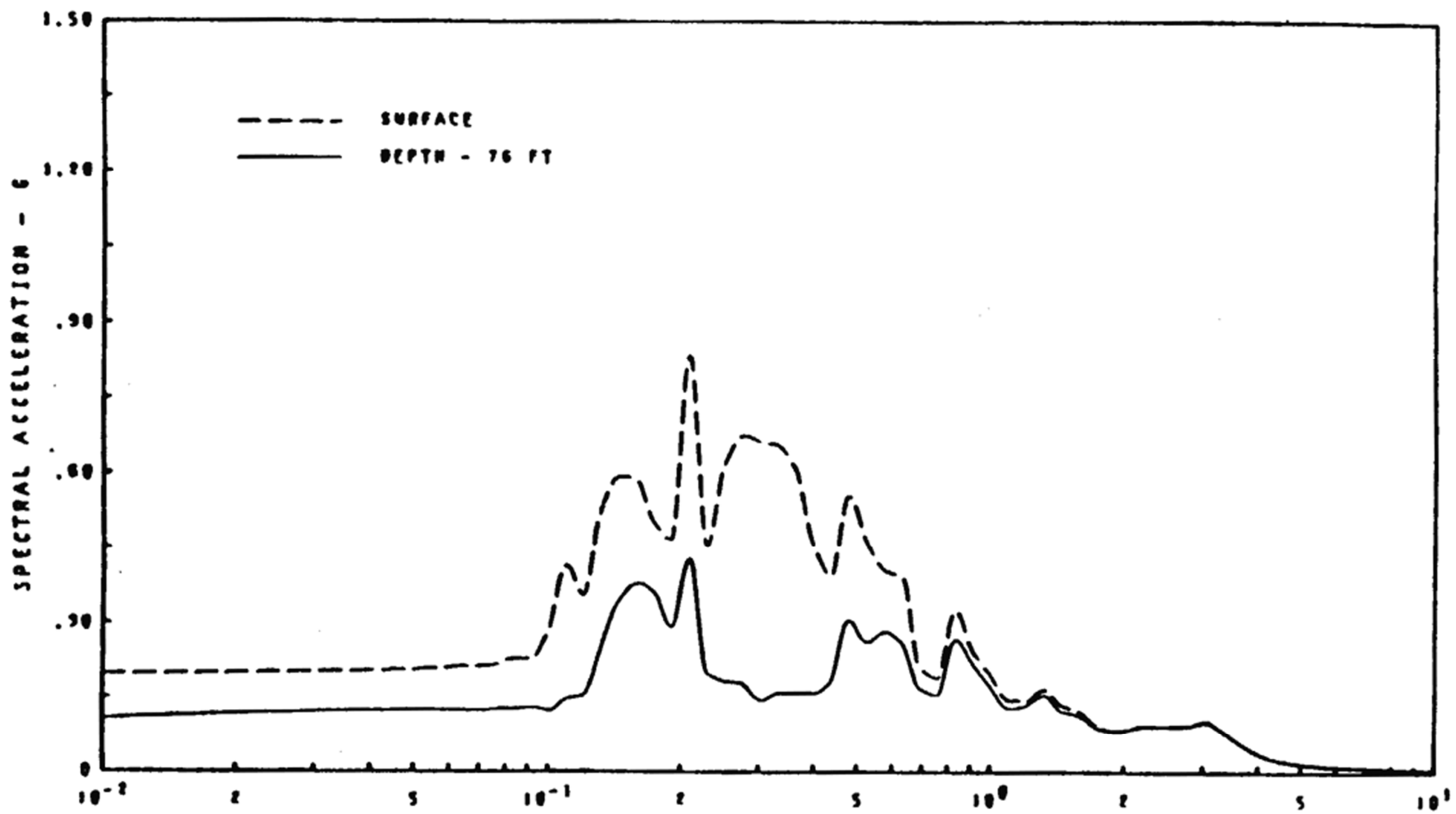
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-106



RESPONSE SPECTRA - 2. PER. DAMPING
 OLYMPIA HWY LAB N06E 1949

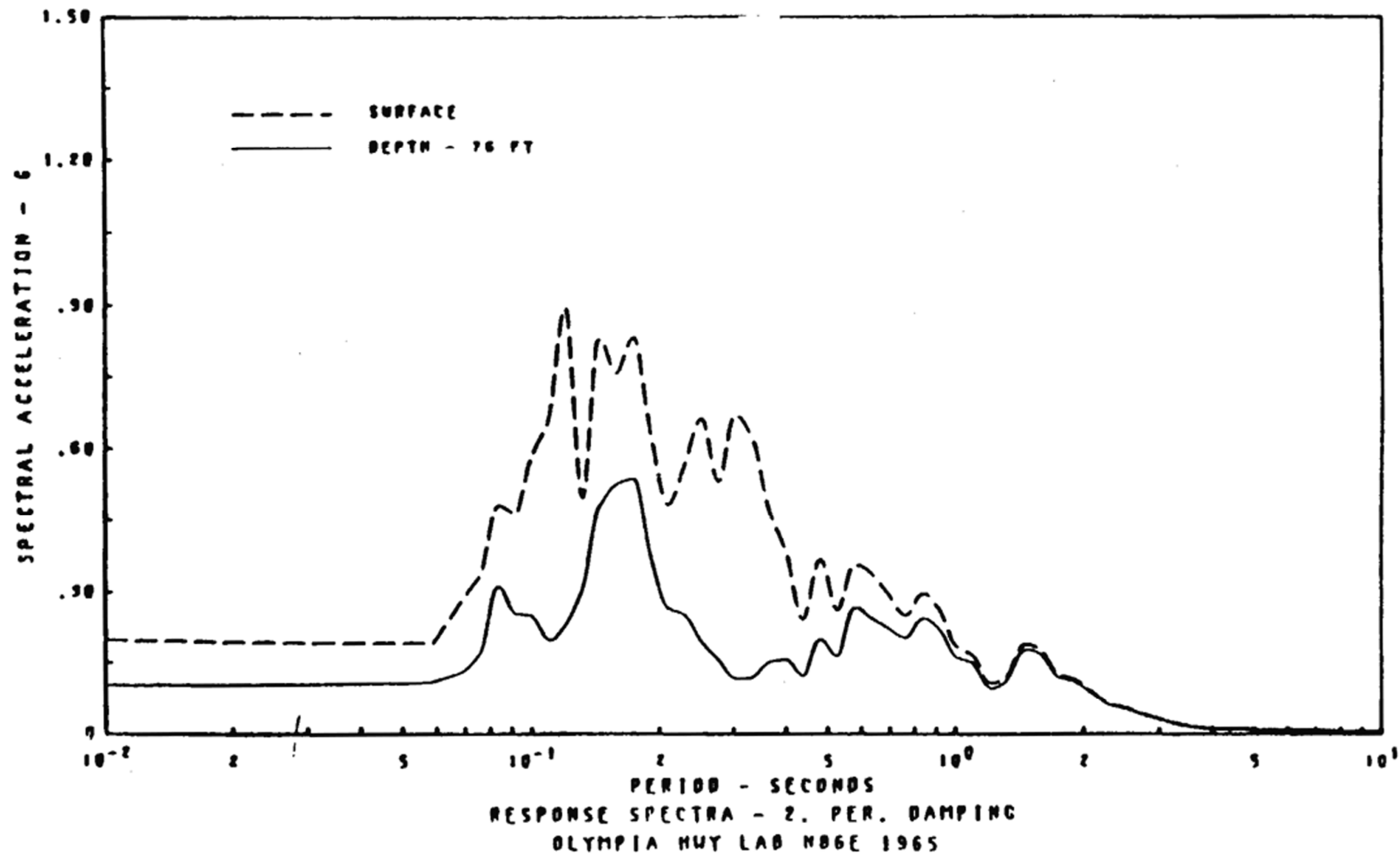
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VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-107



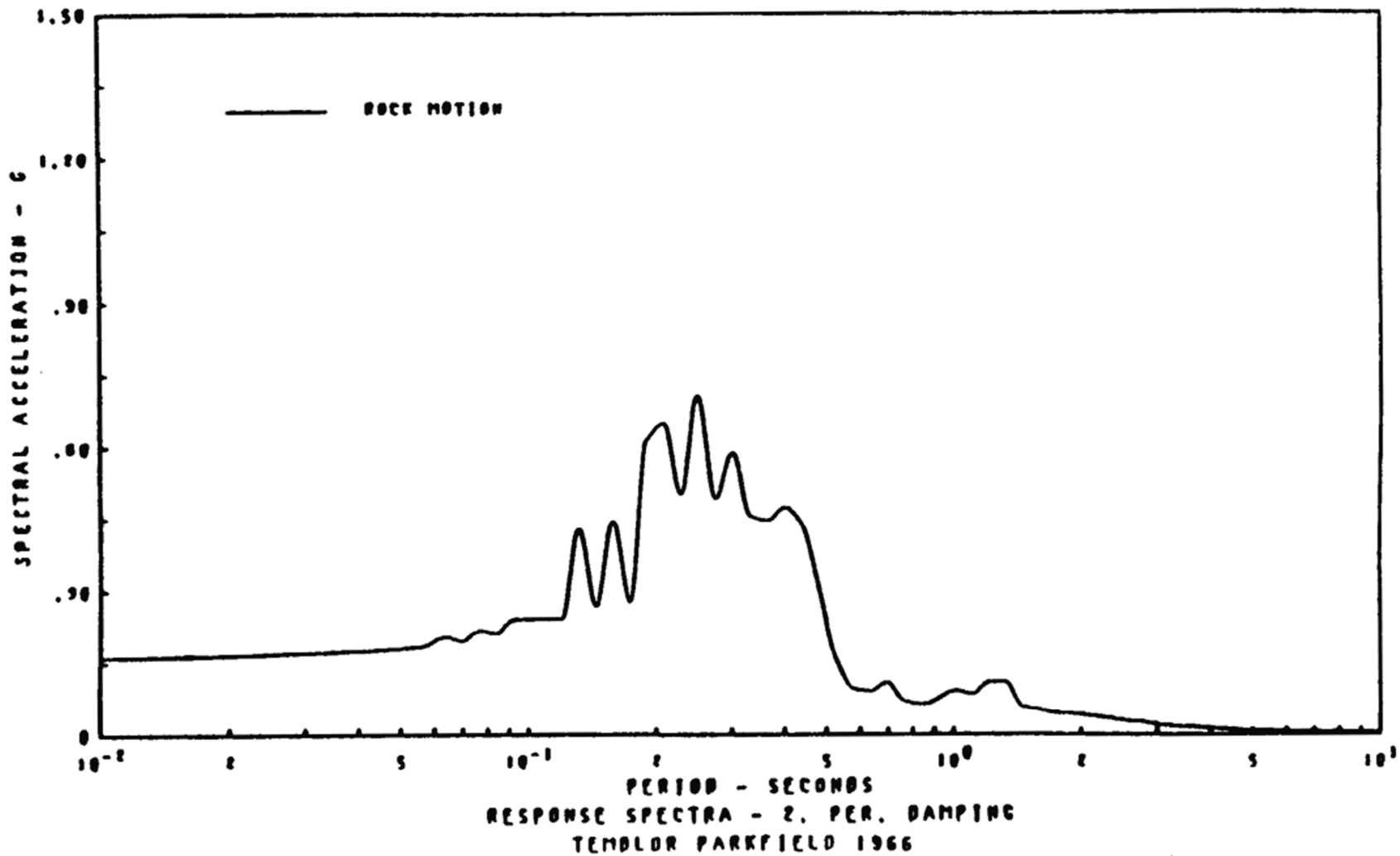
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-108



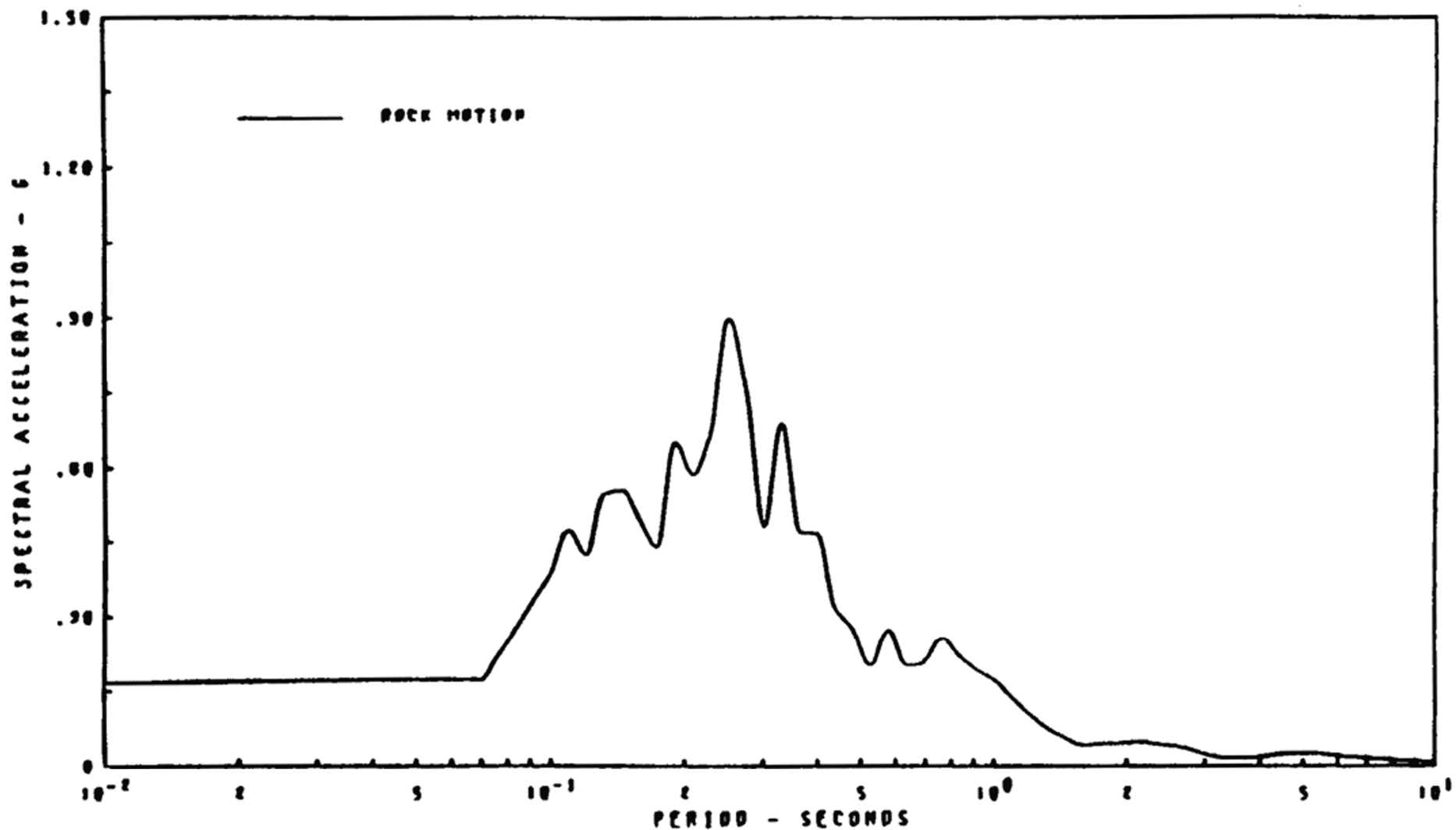
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VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-109



RESPONSE SPECTRA - 2. PER. DAMPING
CAL TECH SEIS LAB S. FERNANDO 1971

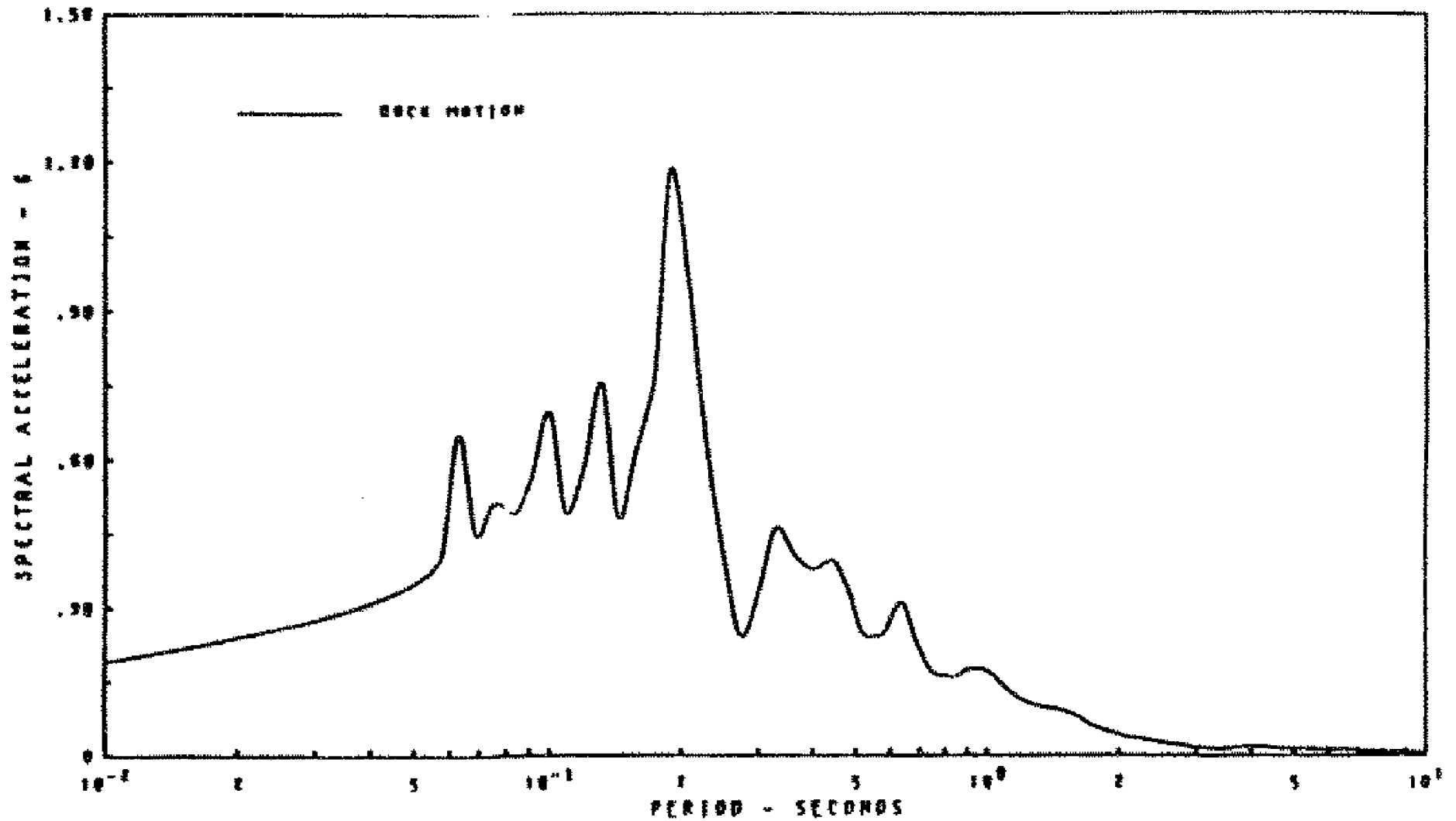
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VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-110



RESPONSE SPECTRA - 2. PER. DAMPING
LAKE MICH. NO. 4 S. FERNANDO (1971)

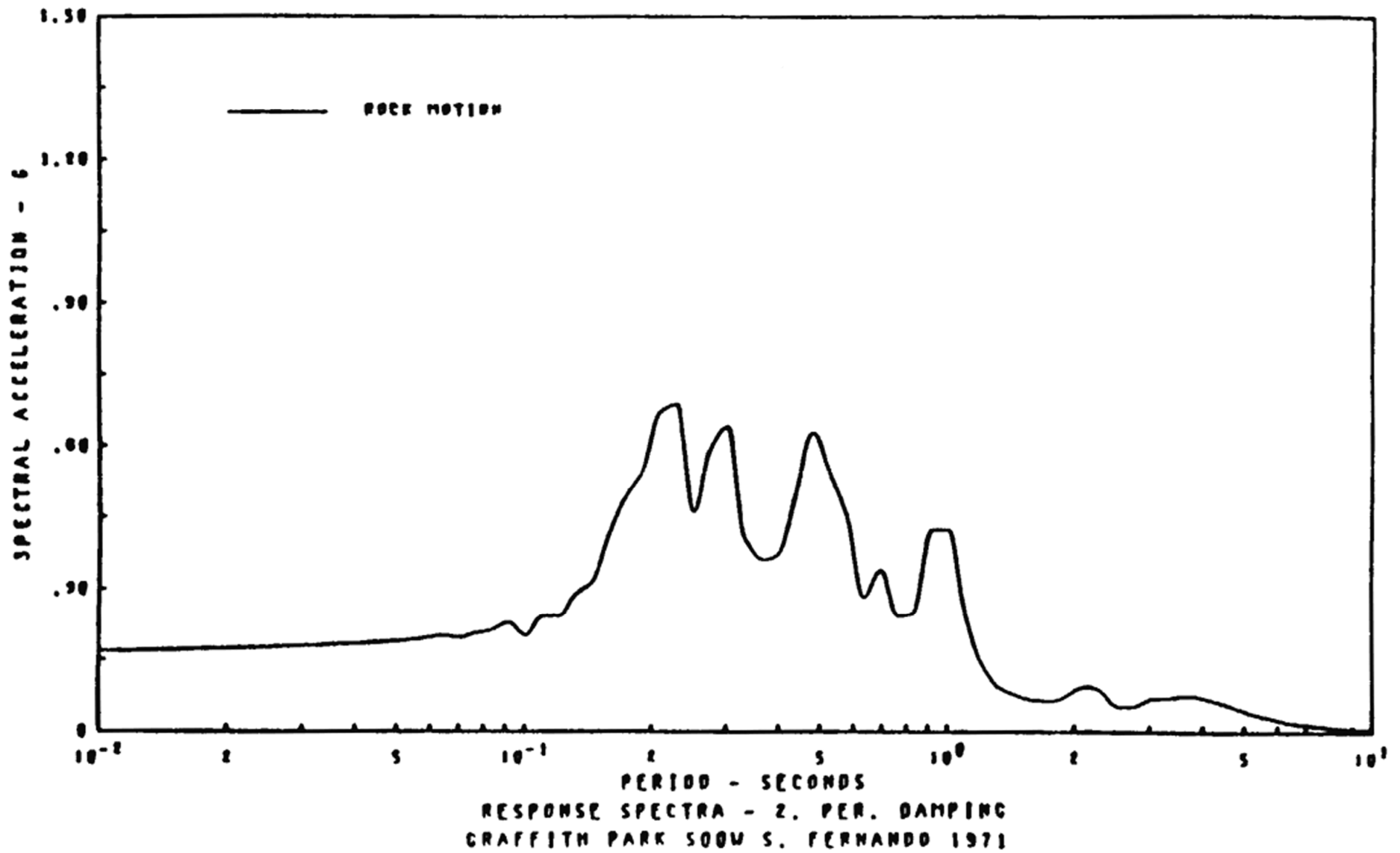
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VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-111



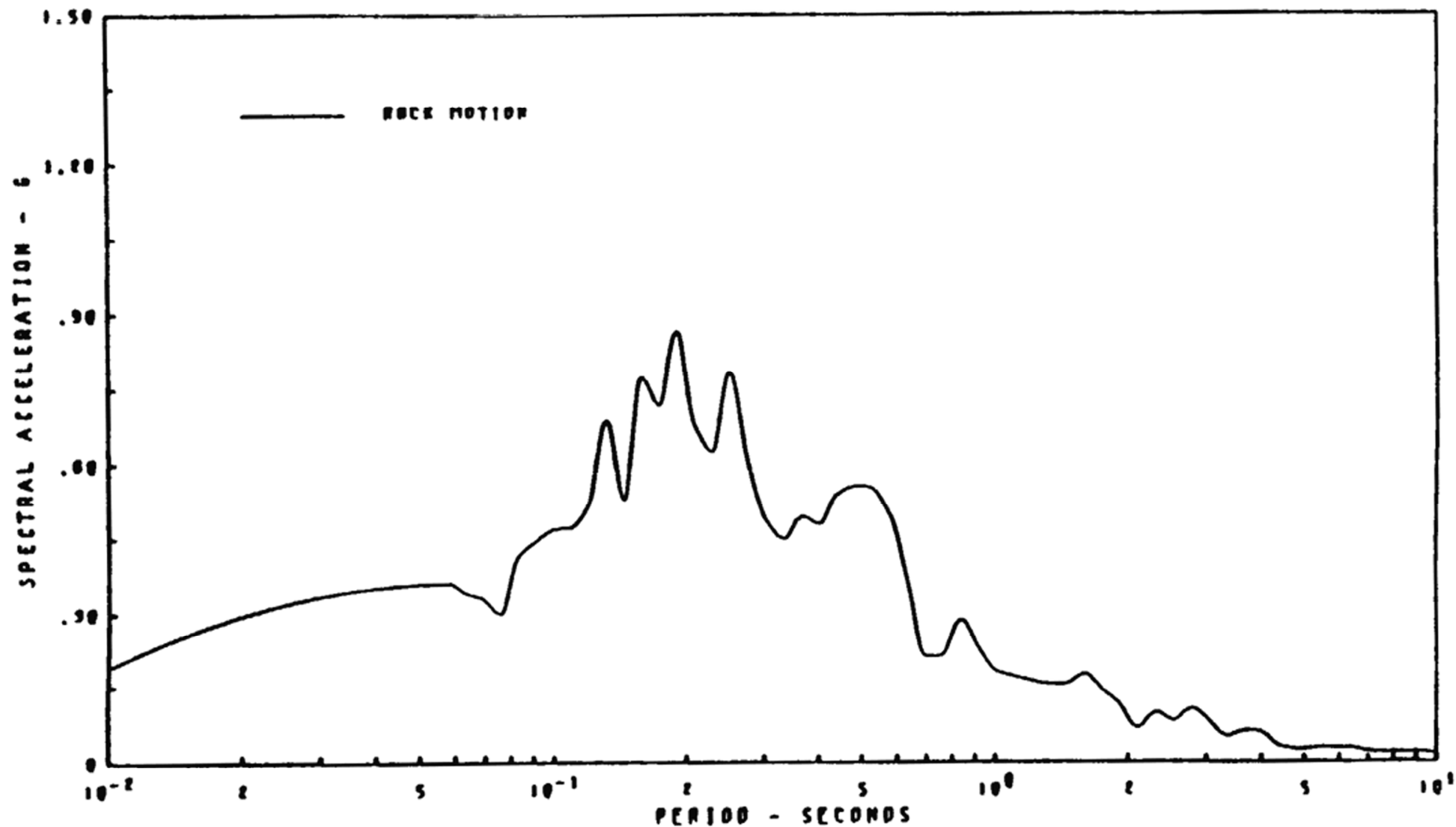
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-112



RESPONSE SPECTRA - 2. PER. DAMPING
 SAN LUIS OBISPO 564W PARKFIELD 1966

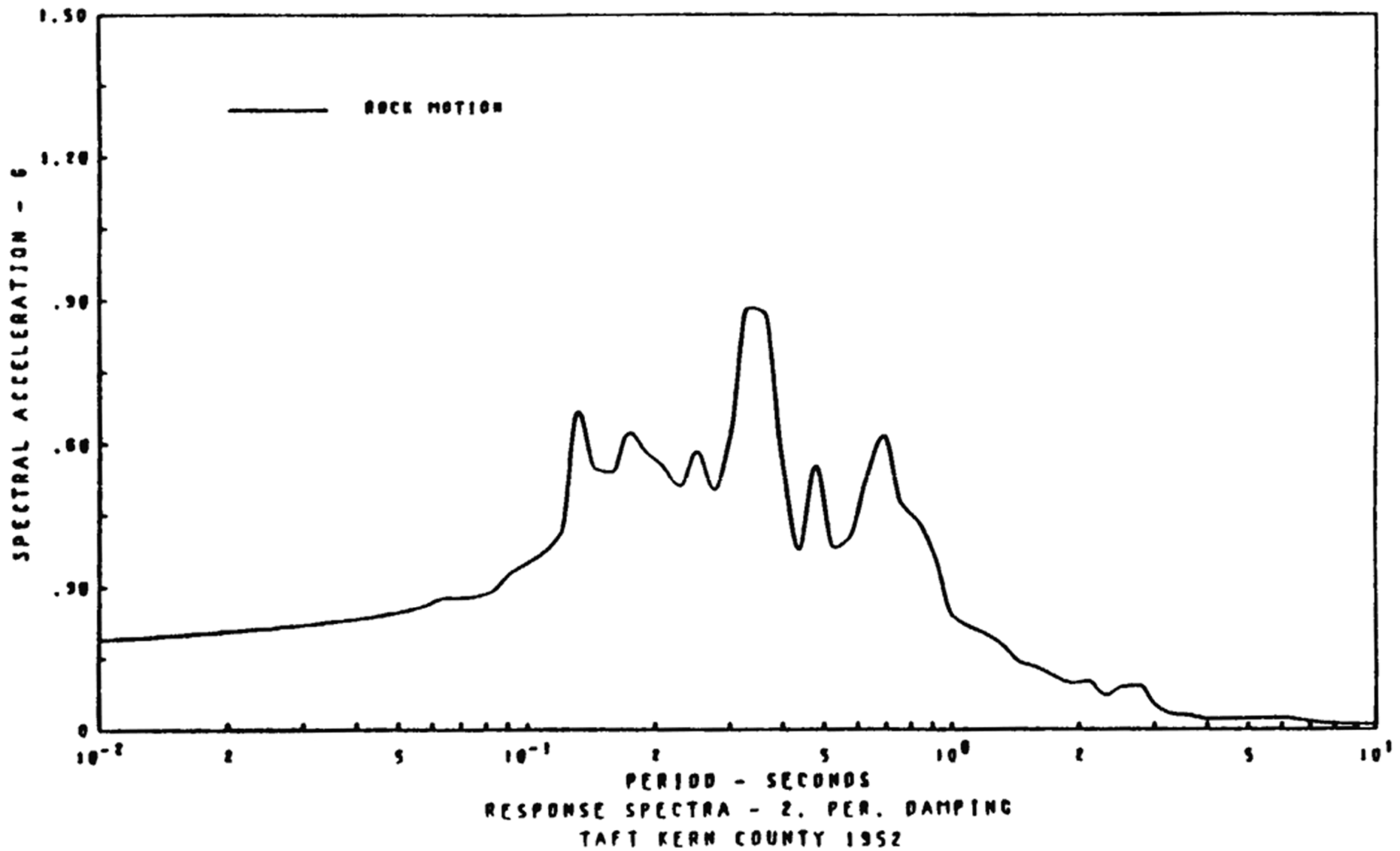
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VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-113



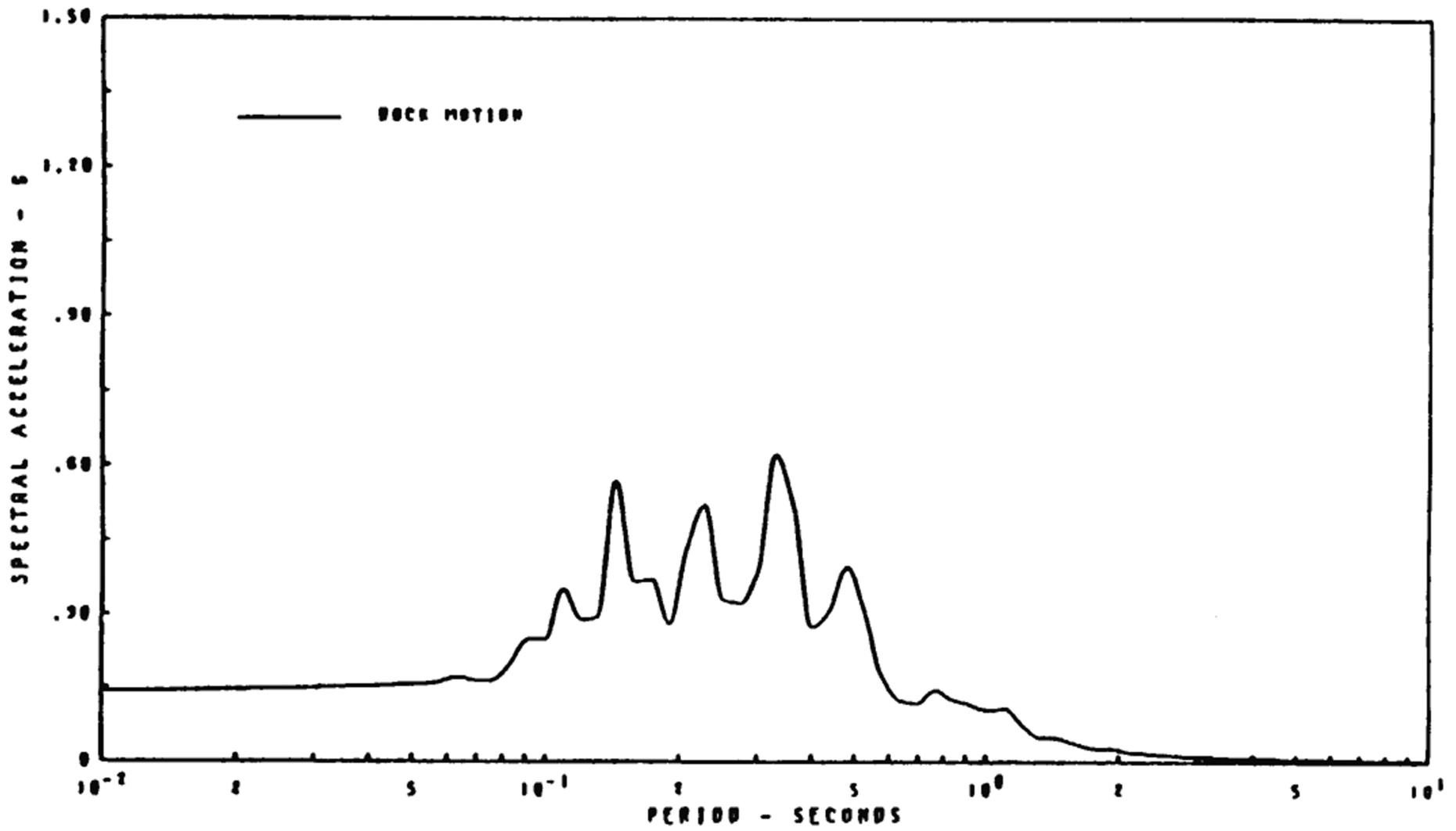
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-114



RESPONSE SPECTRA - 2. PER. DAMPING
 CASTAIC S. FERNANDO 1971

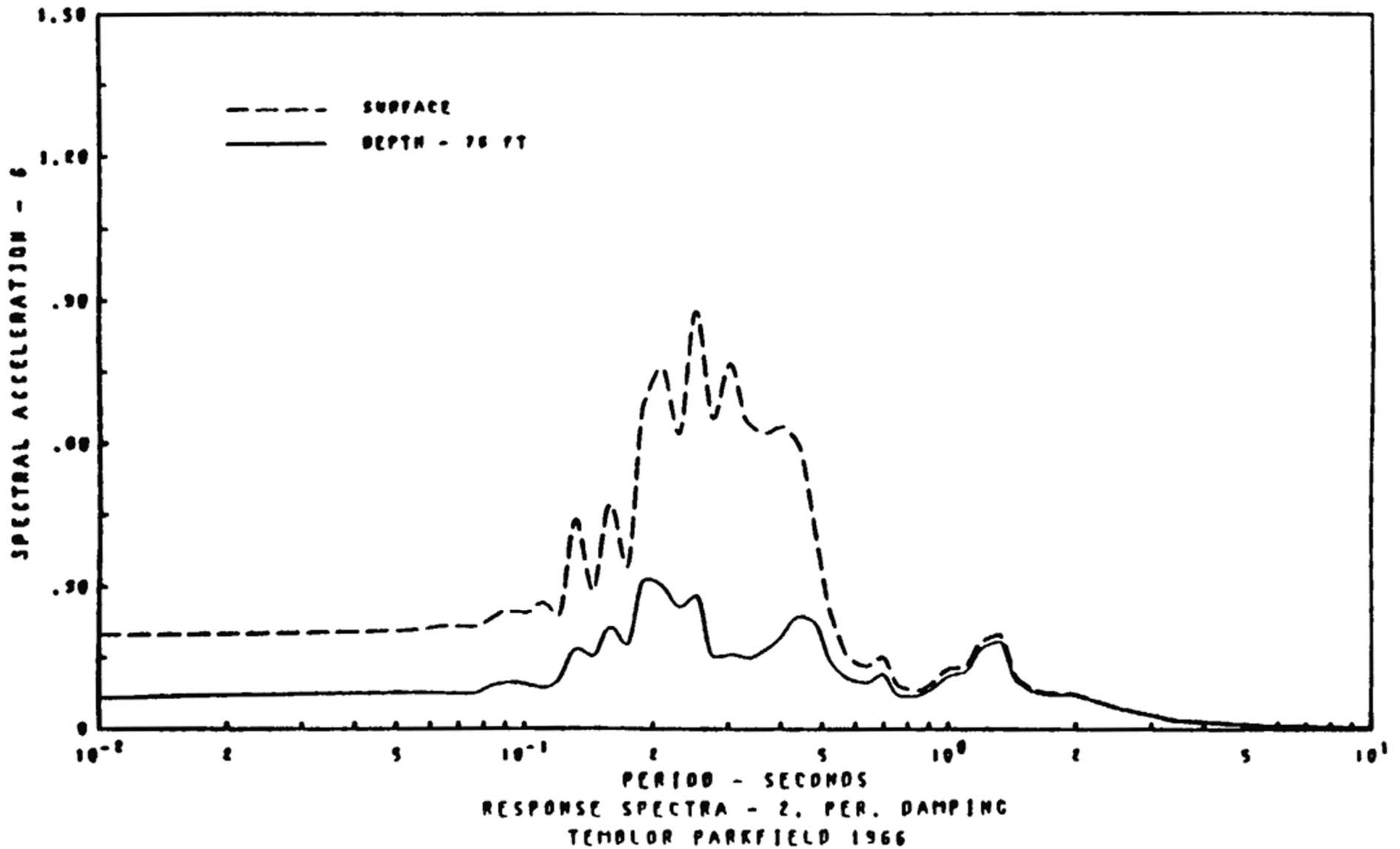
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-115



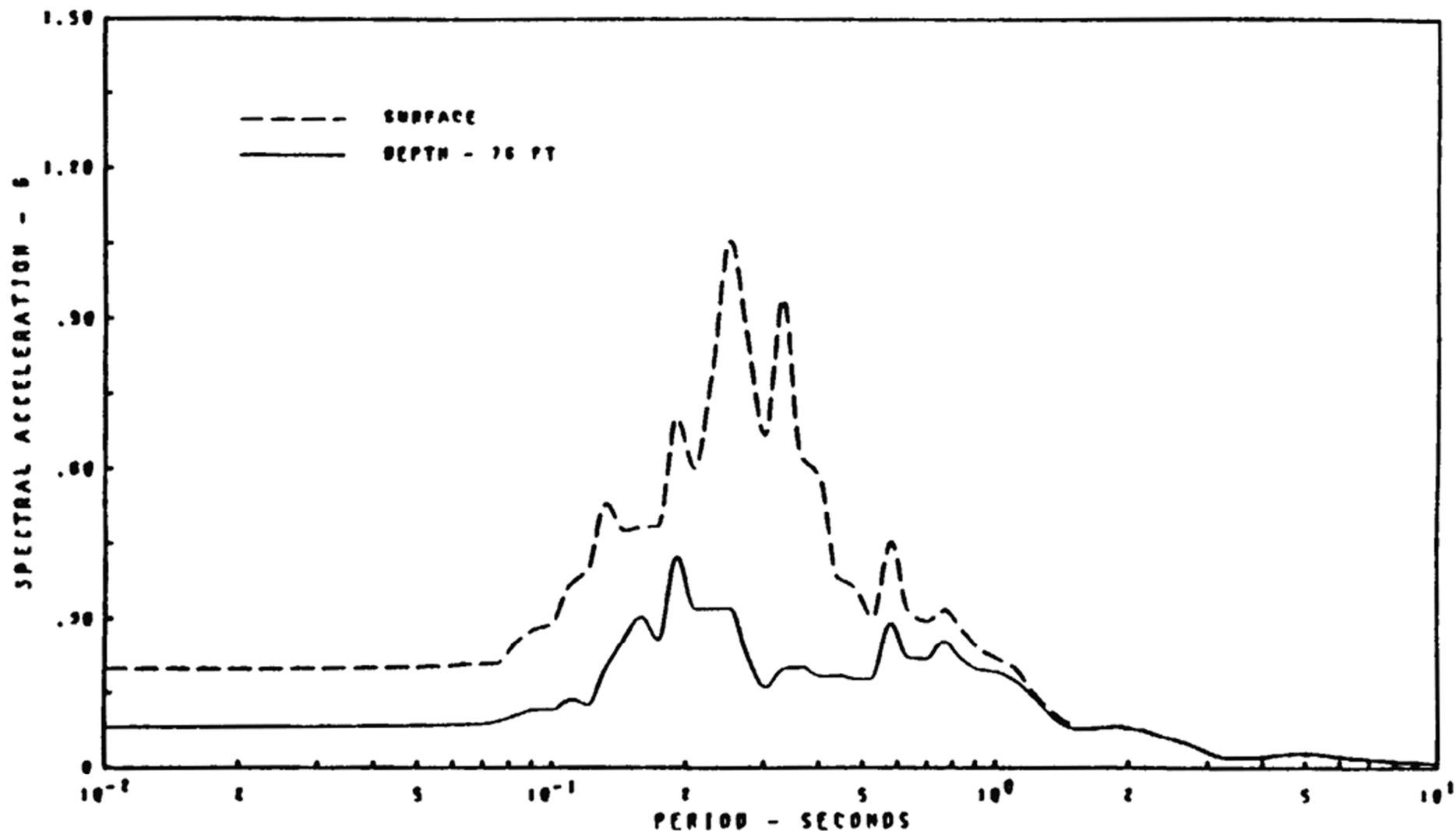
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-116



RESPONSE SPECTRA - 2. PER. DAMPING
 CAL TECH SEIS LAB S. FERNANDO 1971

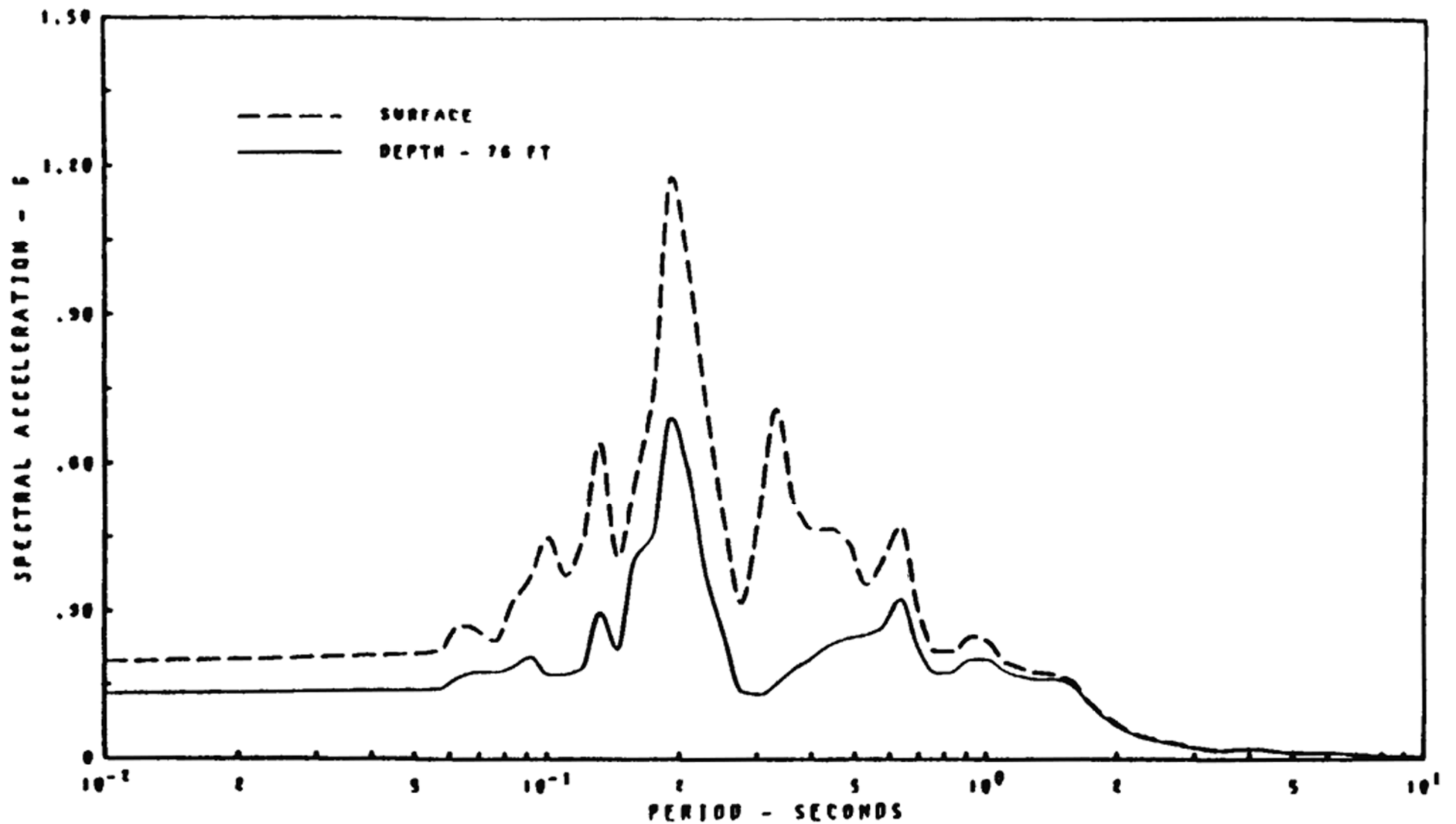
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

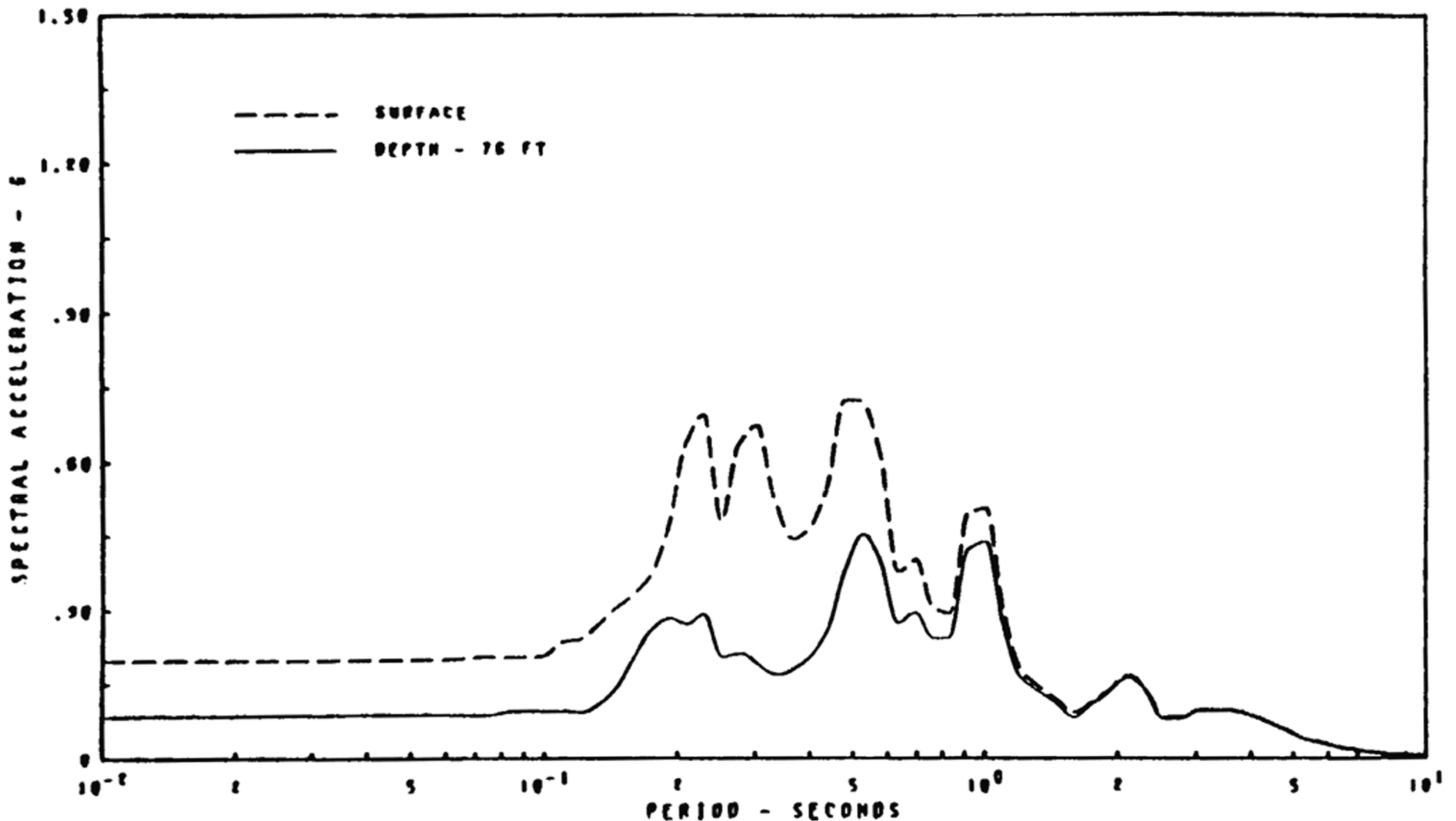
GROUND MOTION ANALYSES

FIGURE 3D-117



RESPONSE SPECTRA - 2. PER. DAMPING
 LAKE MICH. NO. 4 S. FERNANDO 1971

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RESPONSE SPECTRA - 2. PER. DAMPING
 GRAFFITH PARK SOW S. FERNANDO 1971

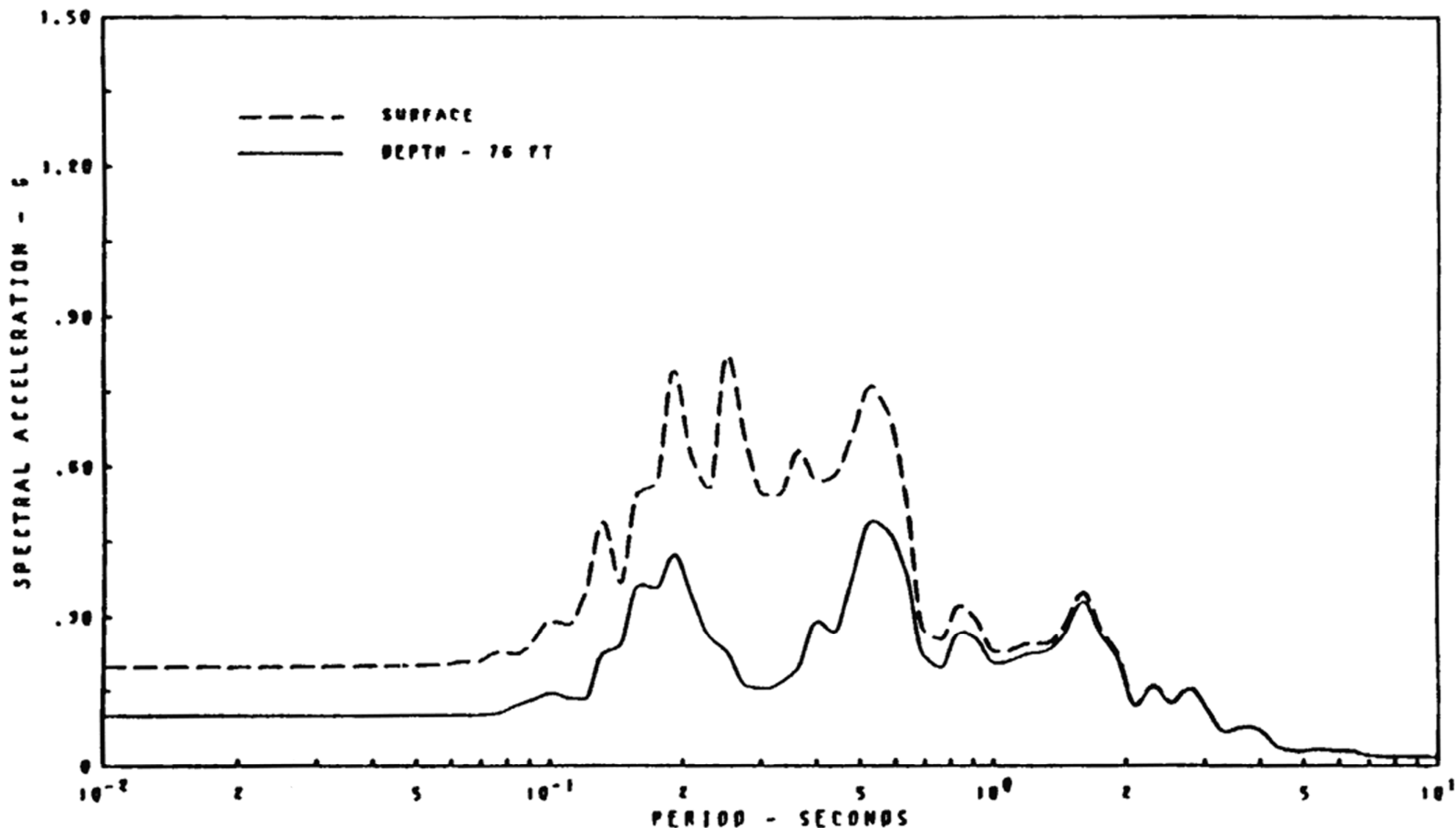
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-119



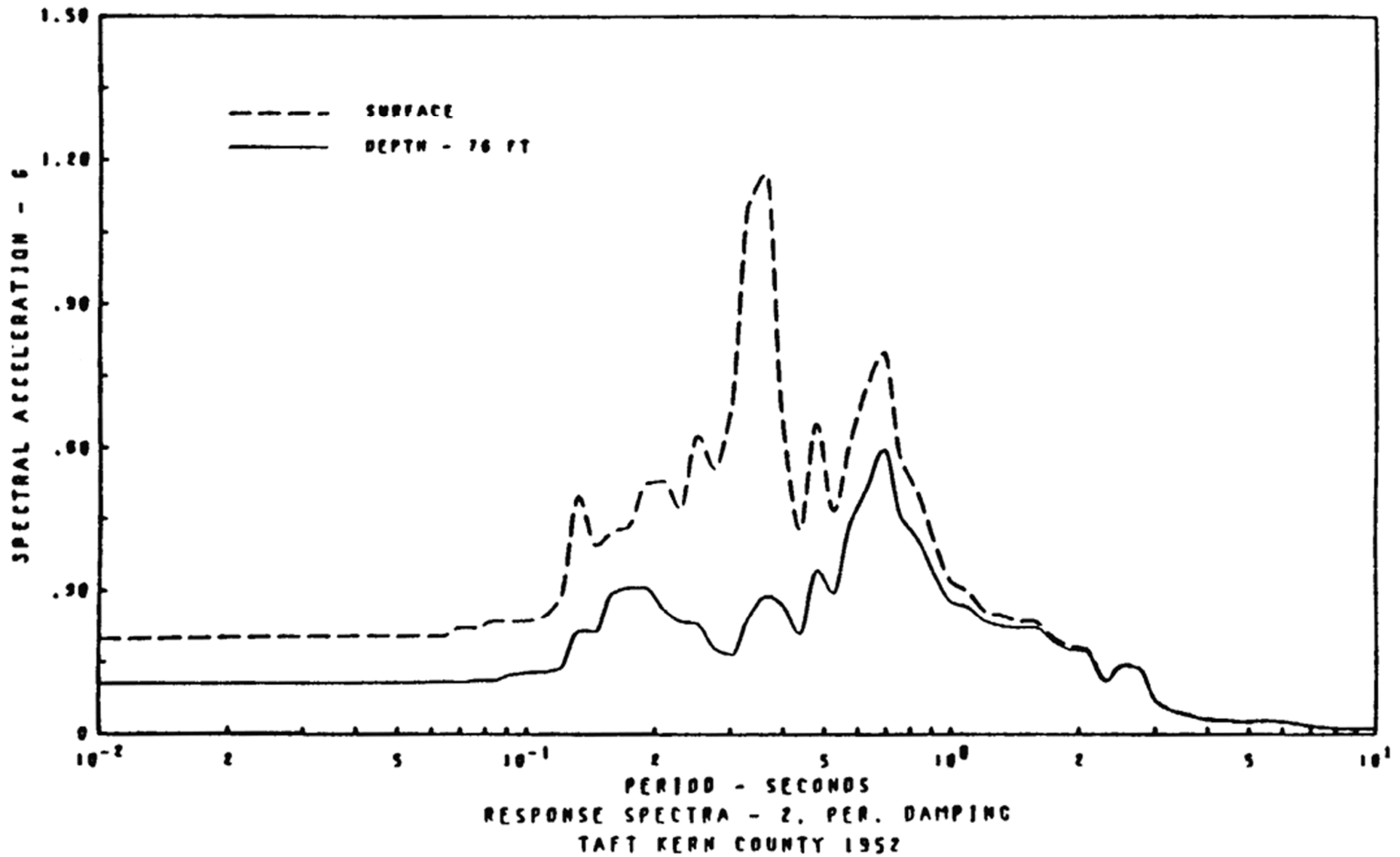
RESPONSE SPECTRA - 2. PER. DAMPING
 SAN LUIS OBISPO 564W PARKFIELD 1966
 REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-120



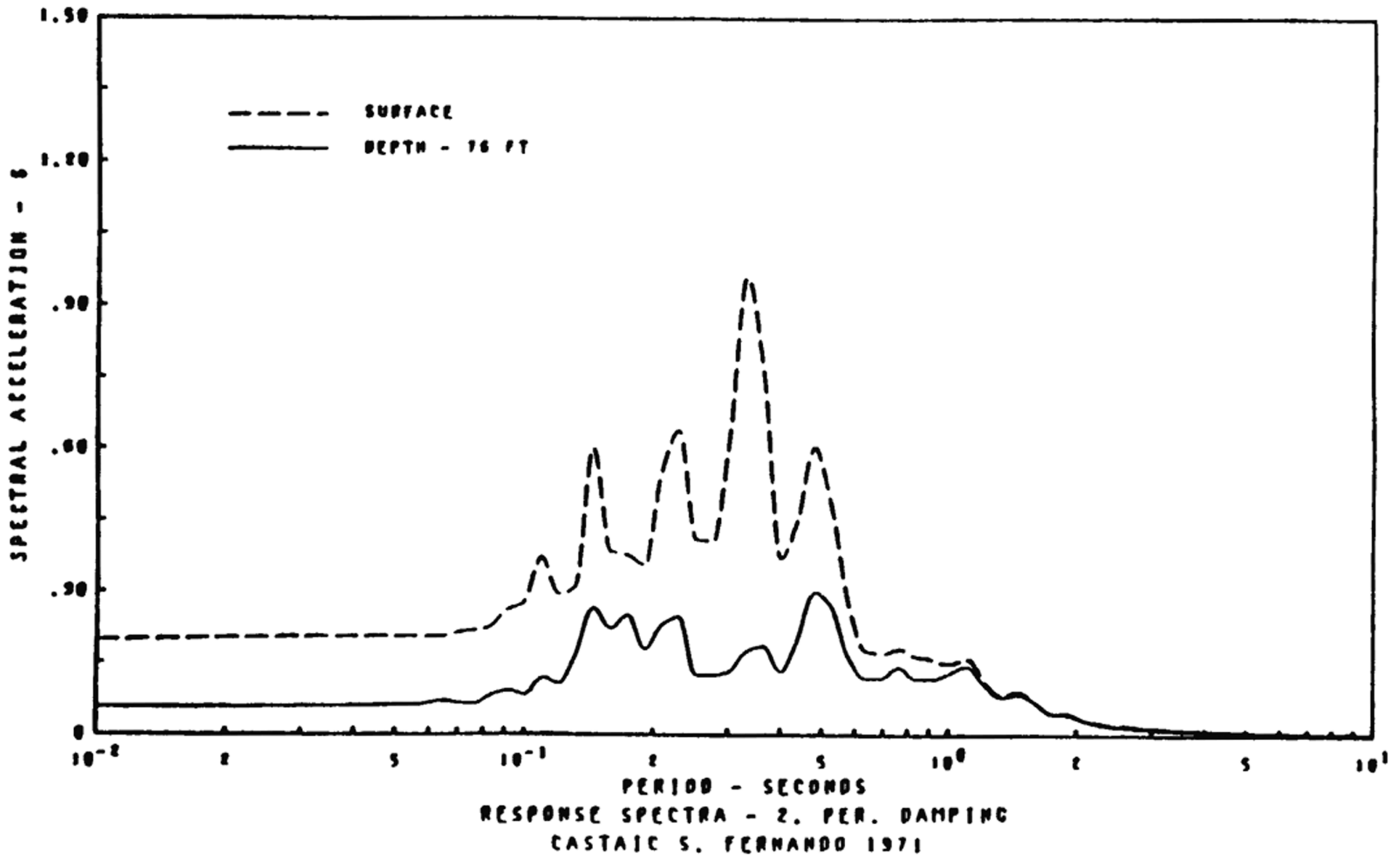
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-121



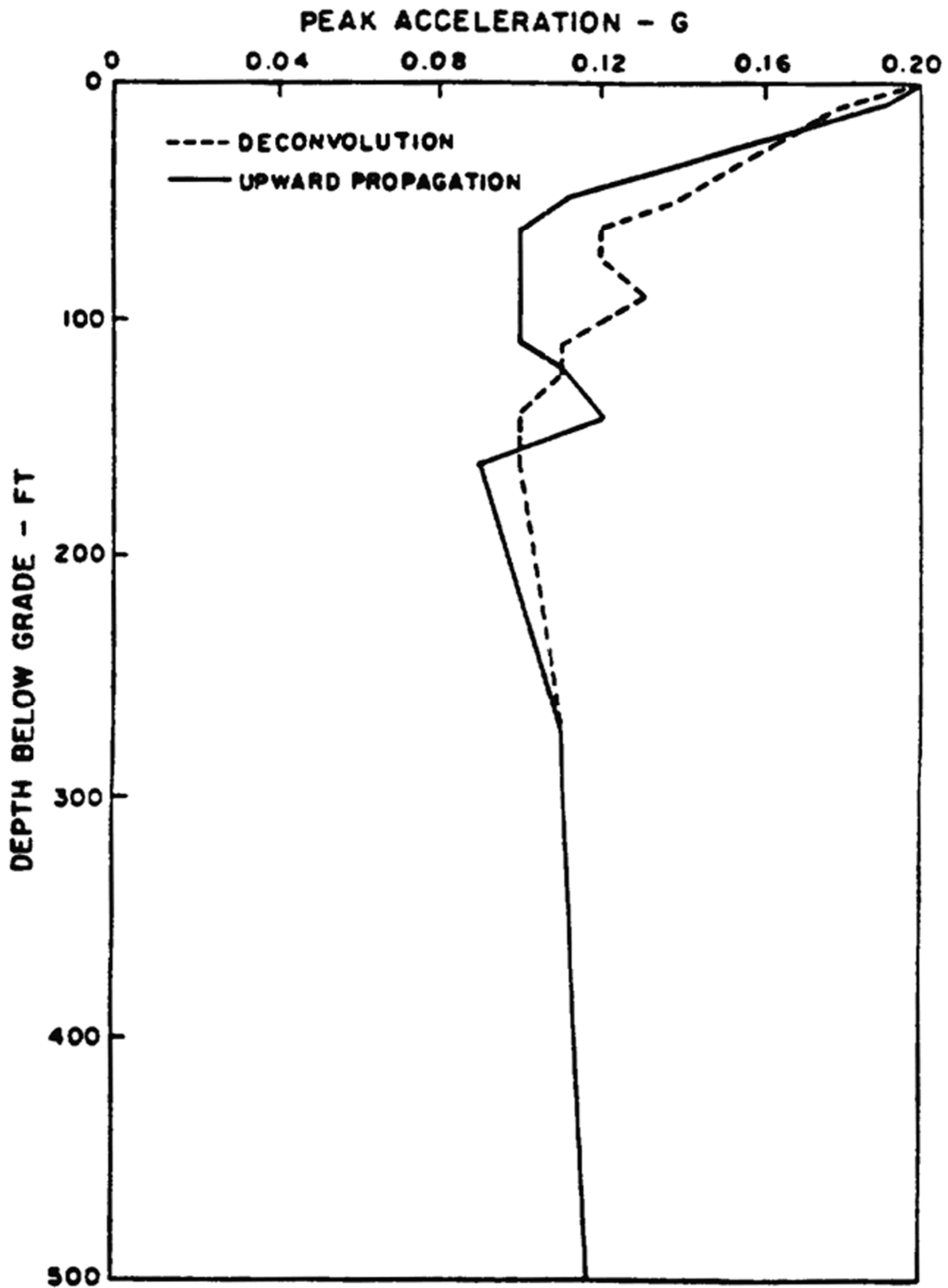
REV 14 10/07



VOGTLE
 ELECTRIC GENERATING PLANT
 UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-122



VARIATION OF MEAN PEAK ACCELERATION WITH DEPTH OF DECONVOLUTION AND UPWARD PROPAGATION ANALYSES

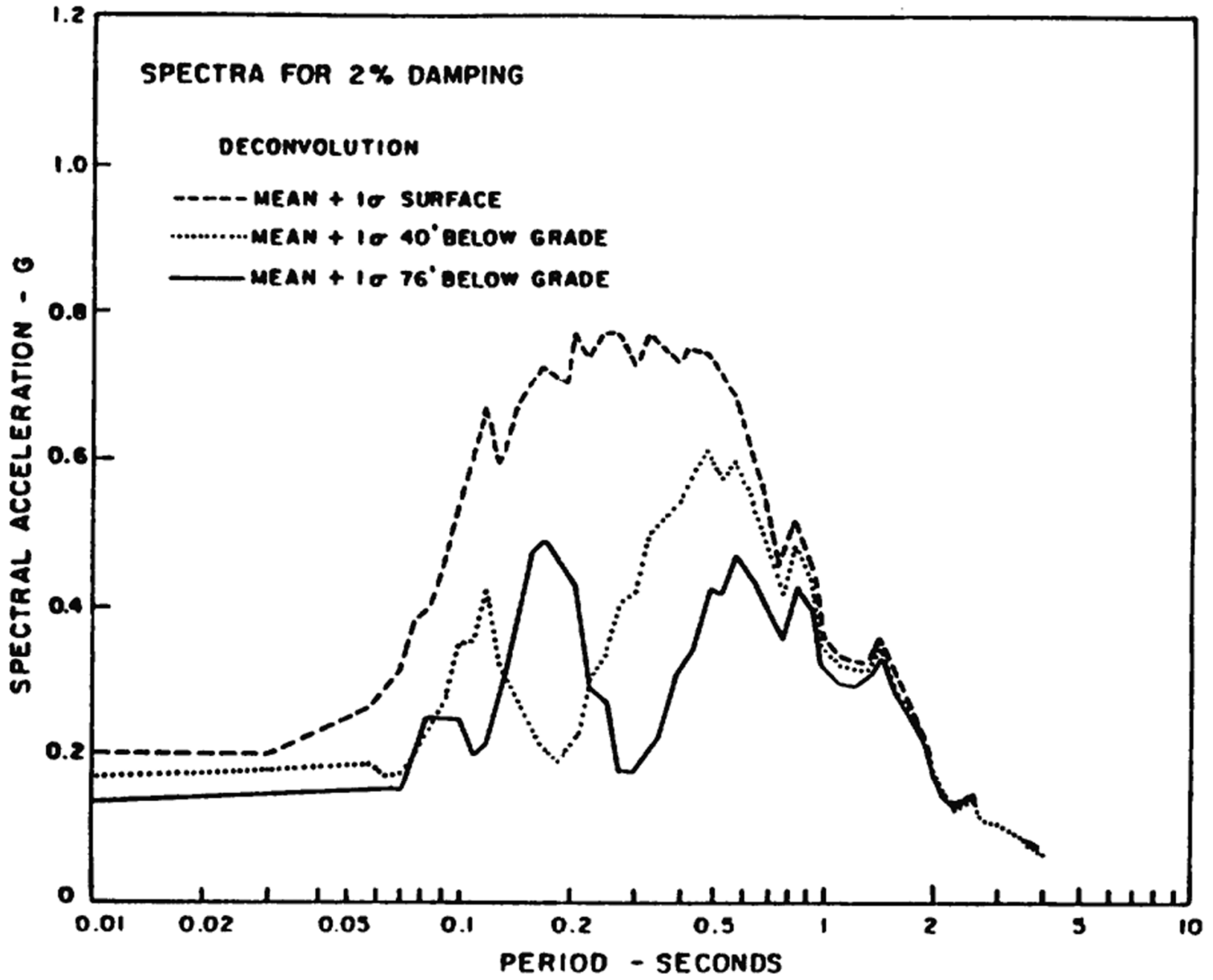
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-123



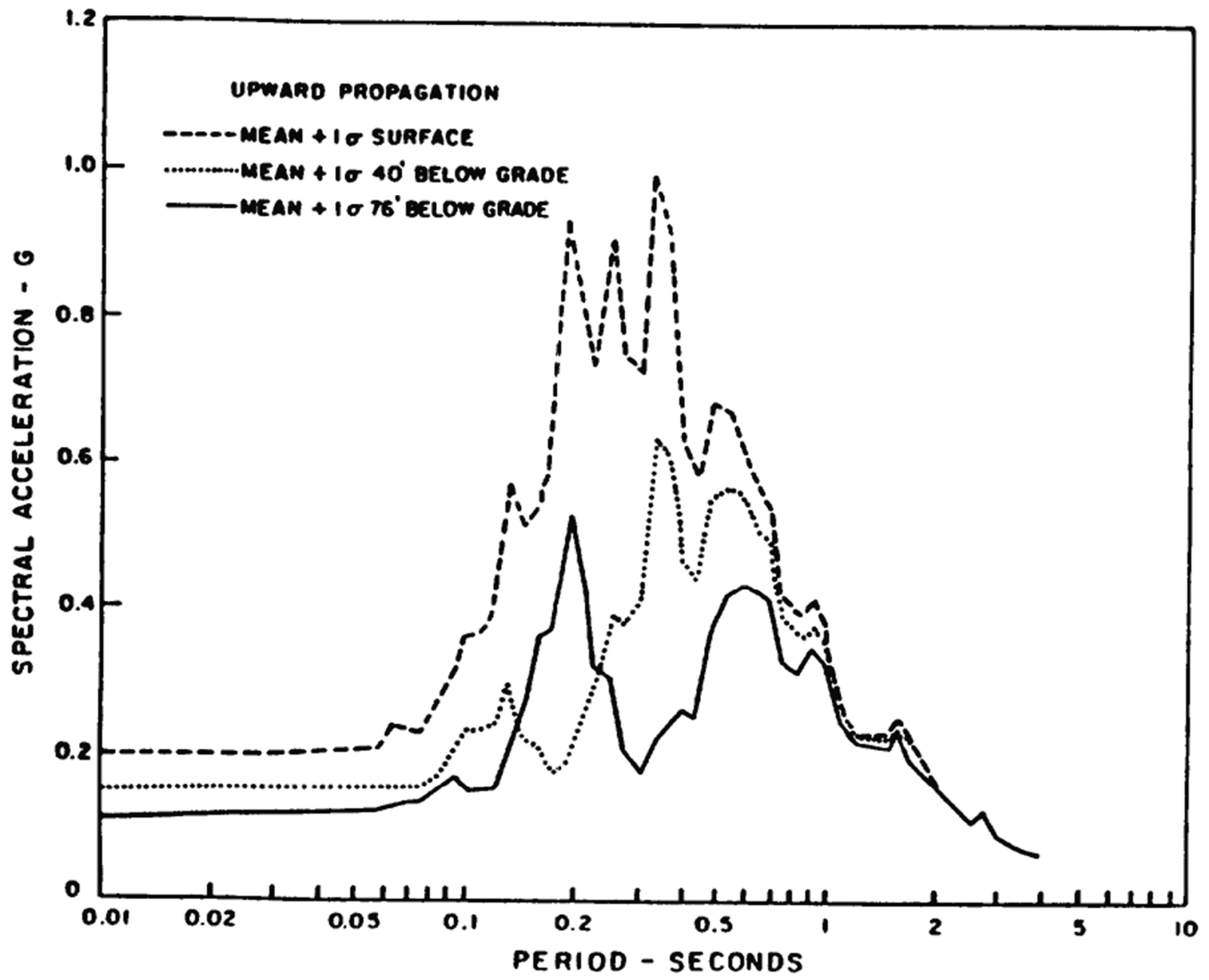
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-124



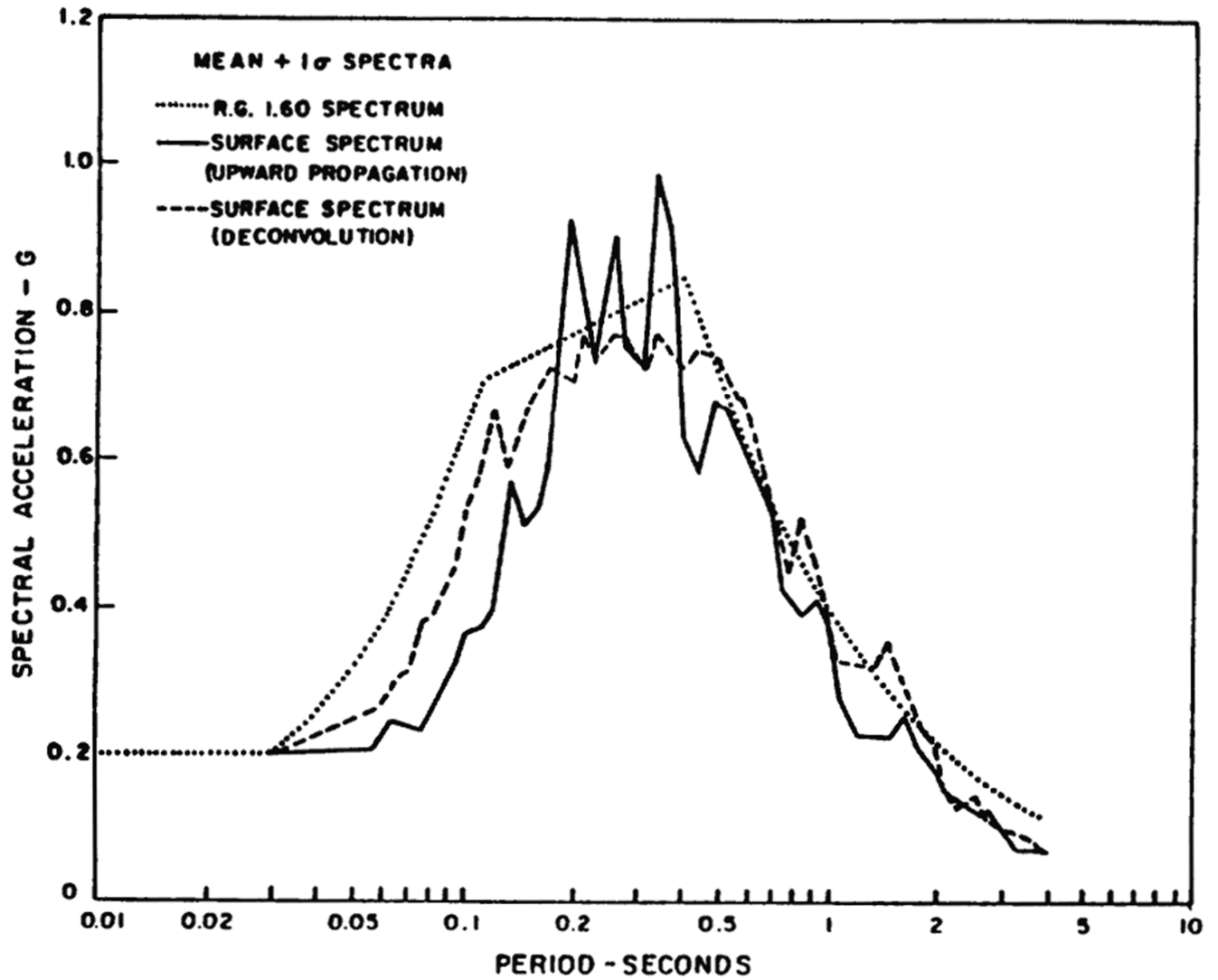
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-125



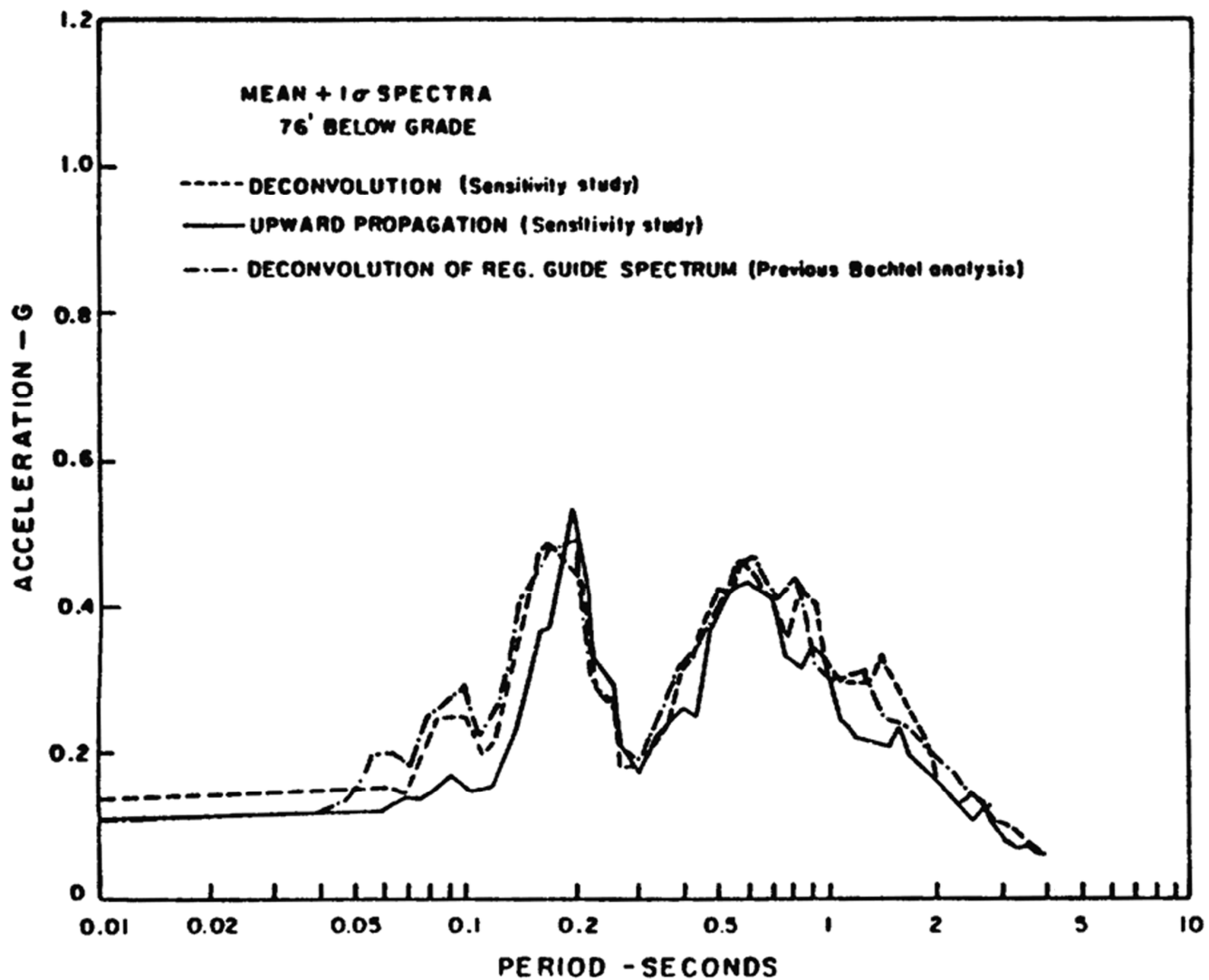
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

GROUND MOTION ANALISES

FIGURE 3D-126



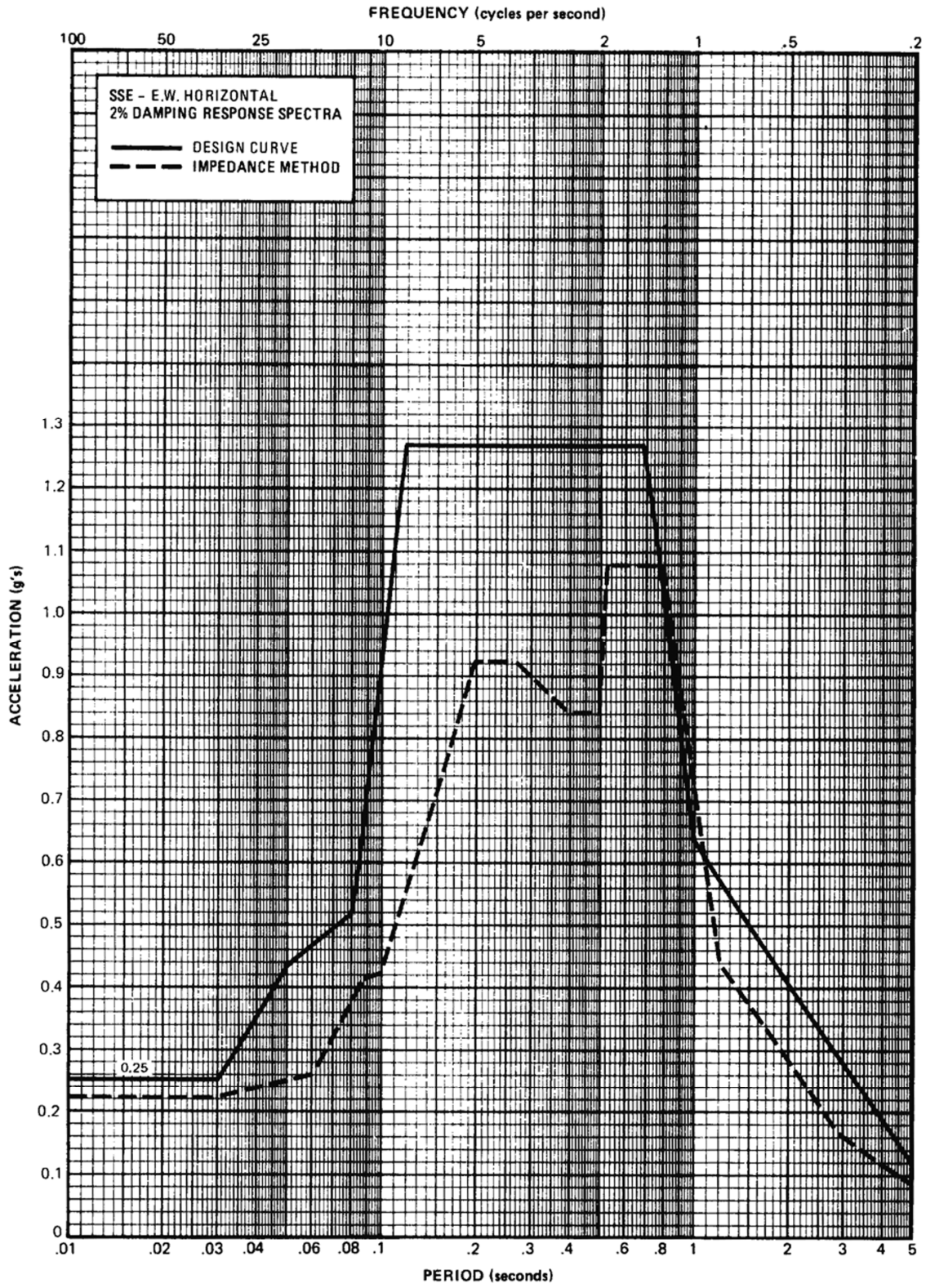
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

GROUND MOTION ANALYSES

FIGURE 3D-127



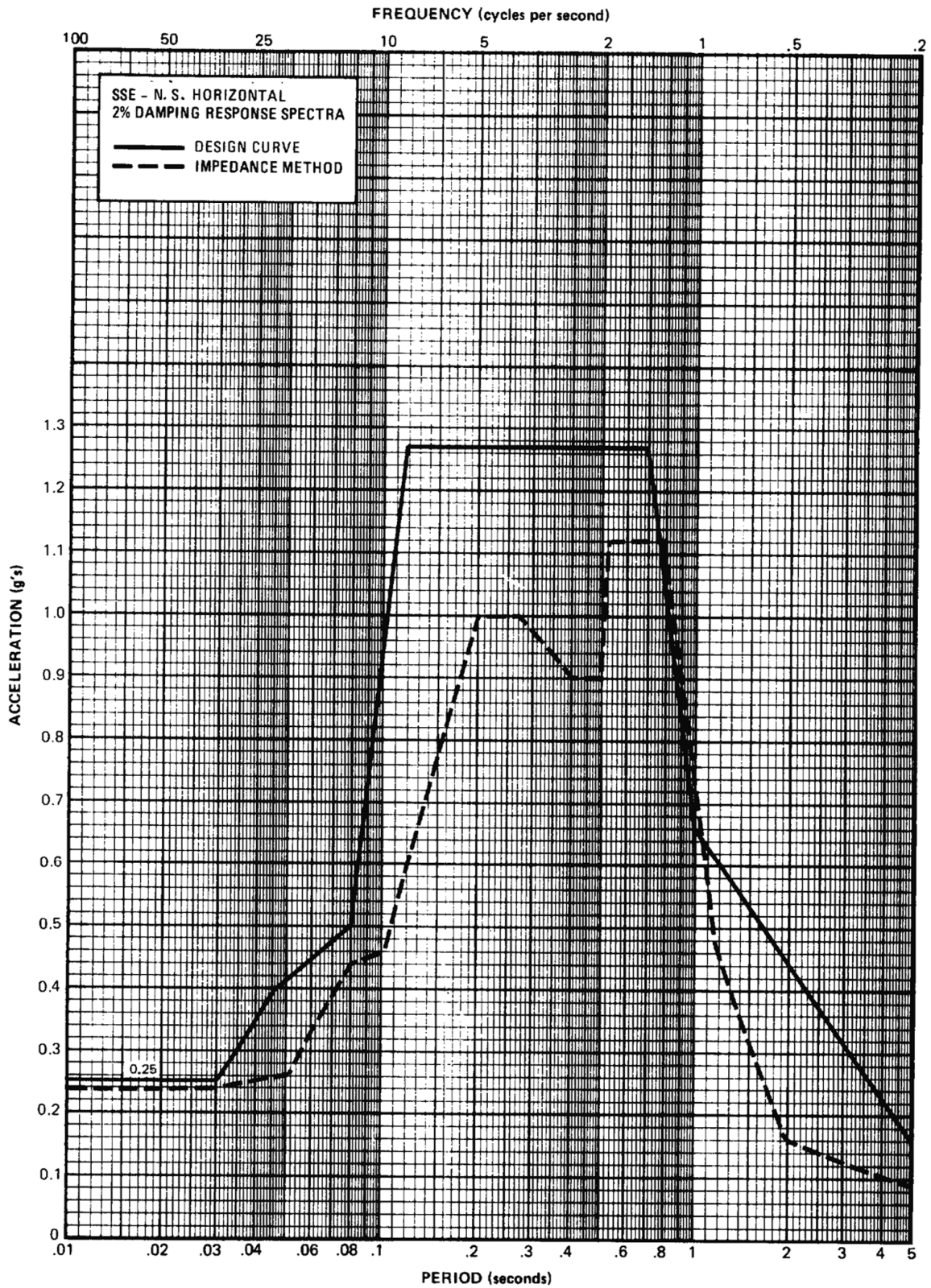
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING
EL. 169 FT. BASEMAT

FIGURE 3D-128



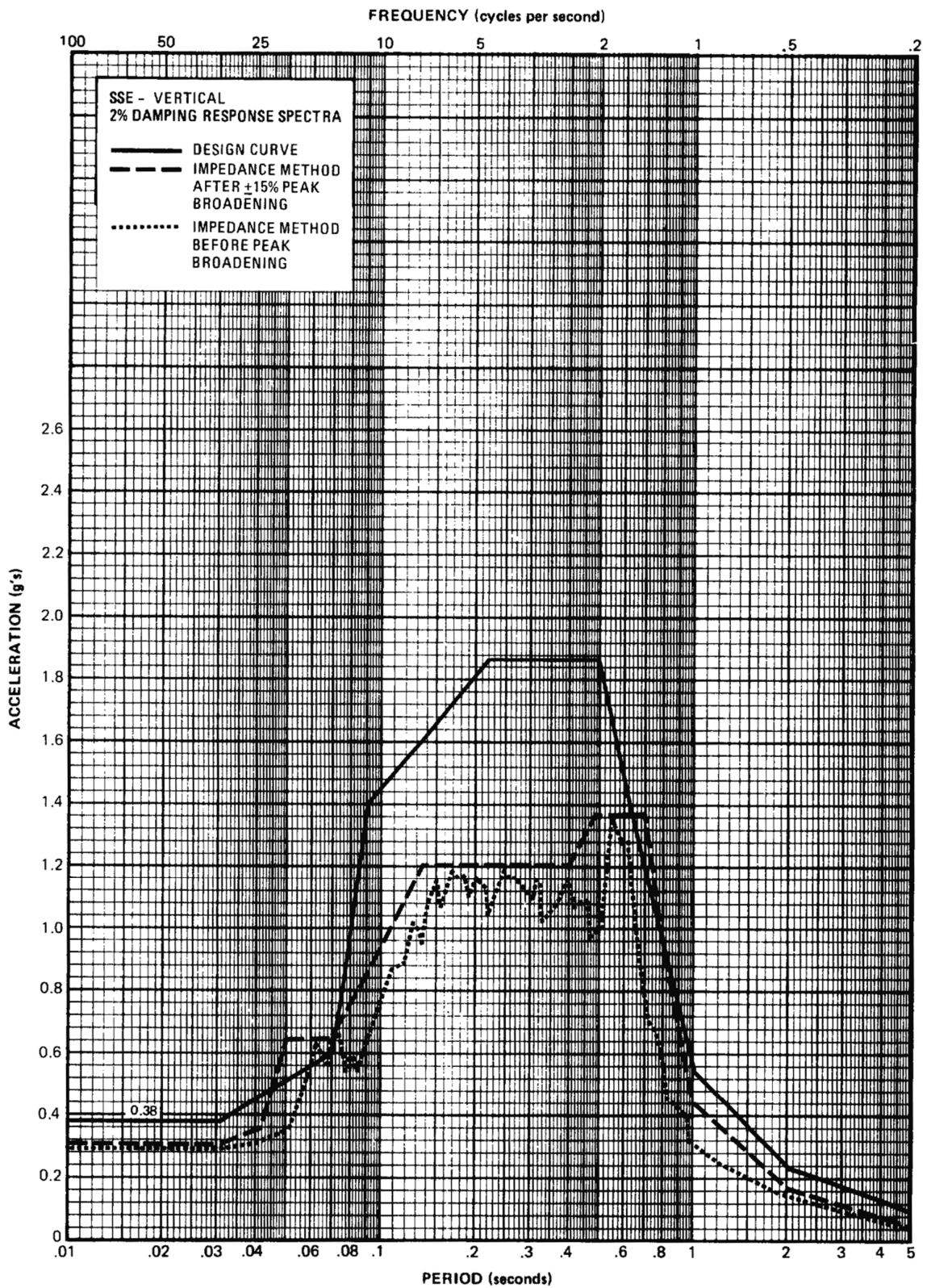
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING
EL. 169 FT. BASEMAT

FIGURE 3D-129



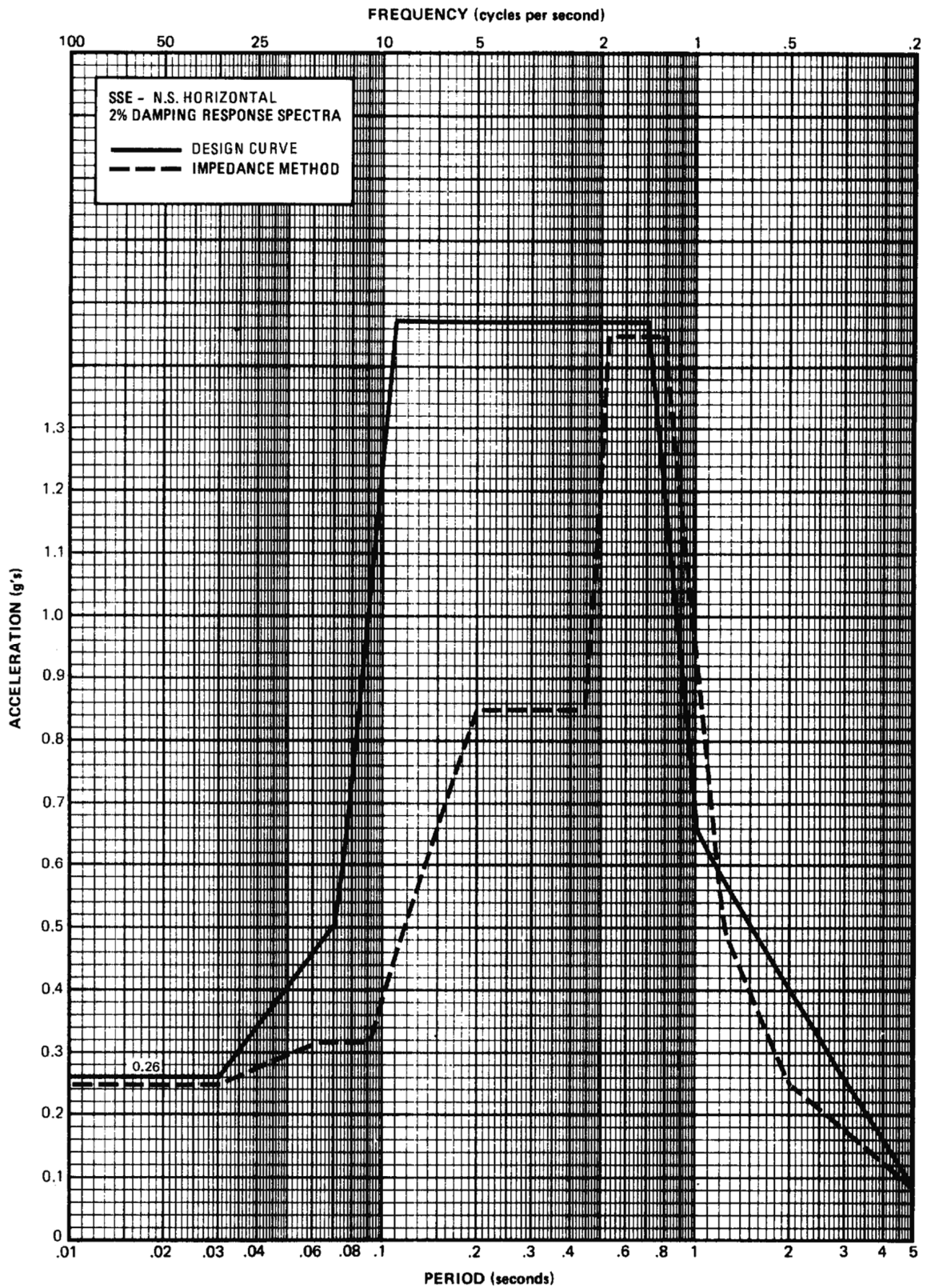
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING
EL. 169 FT. BASEMAT

FIGURE 3D-130



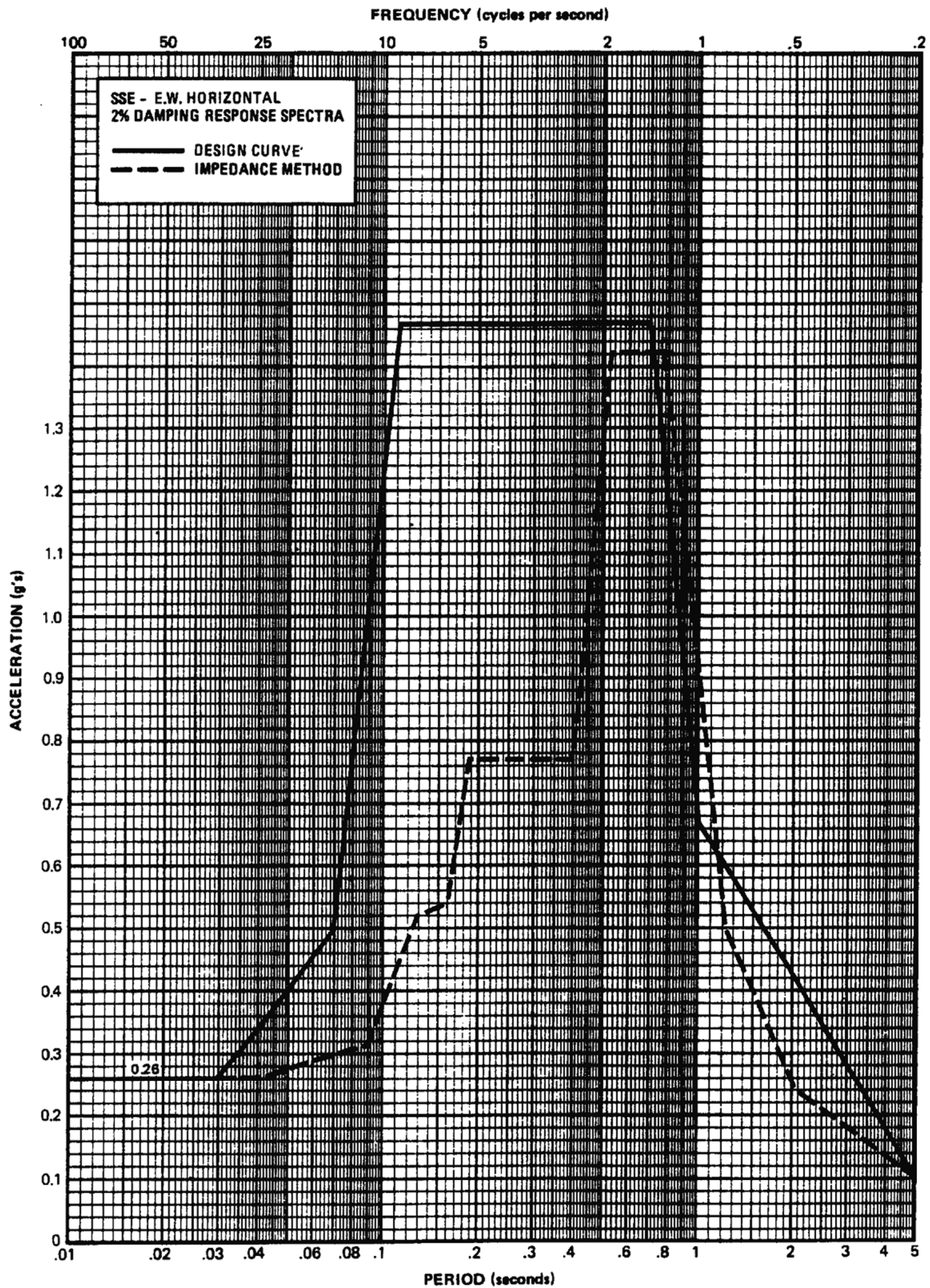
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING
EL. 195 FT. INTERNAL STR.

FIGURE 3D-131



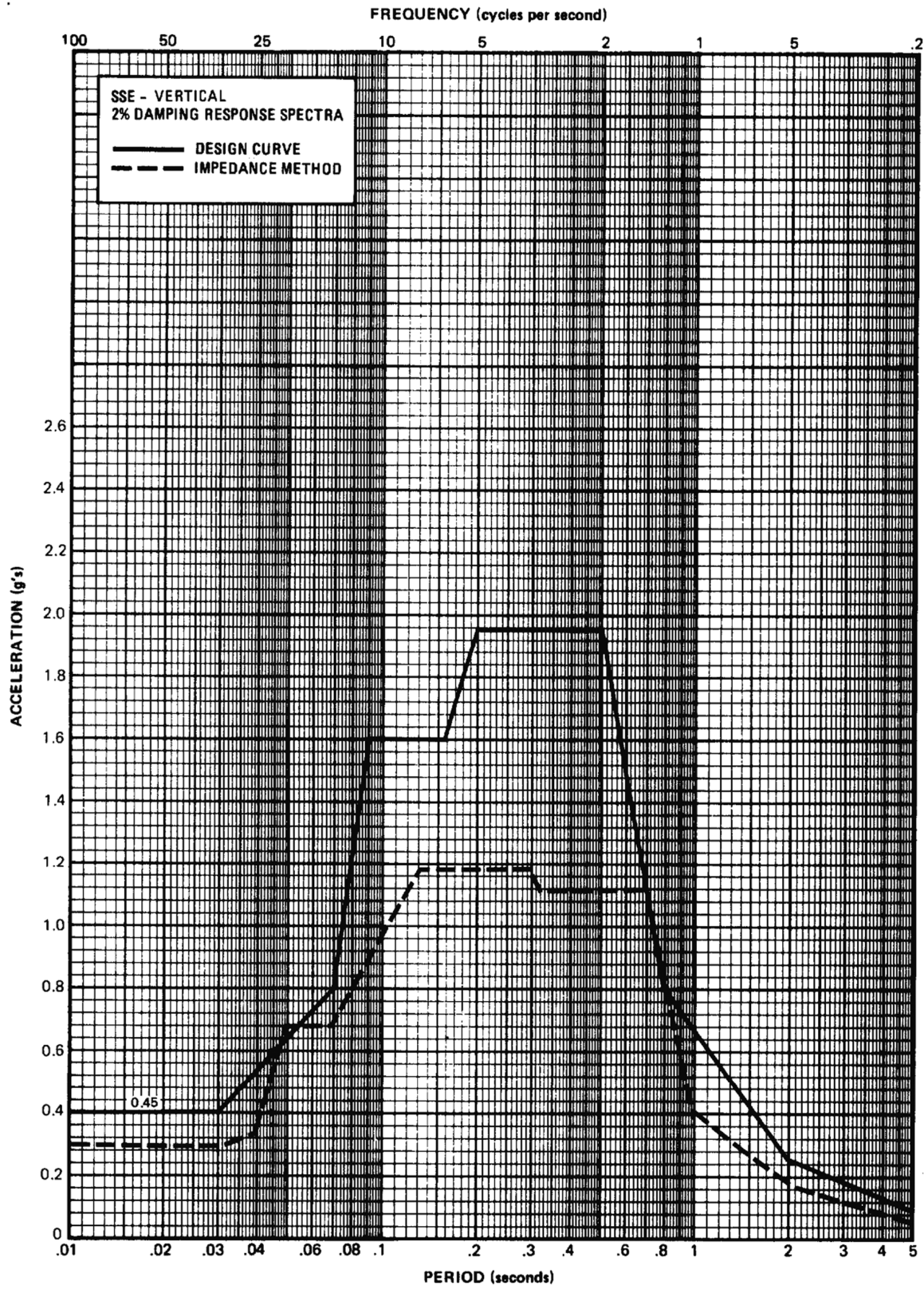
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING
EL. 195 FT. INTERNAL STR.

FIGURE 3D-132



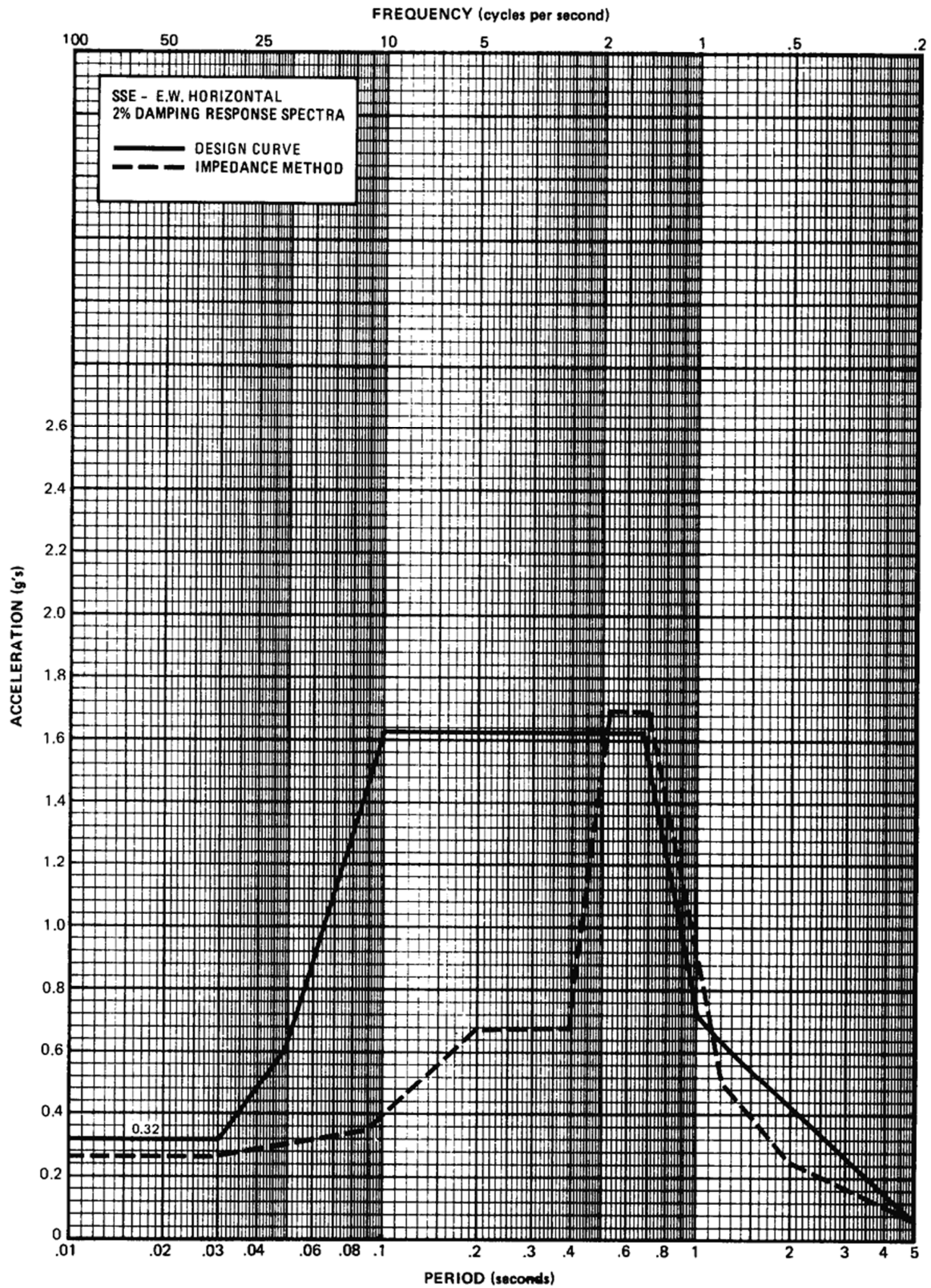
REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING
EL. 195 FT. INTERNAL STR.

FIGURE 3D-133



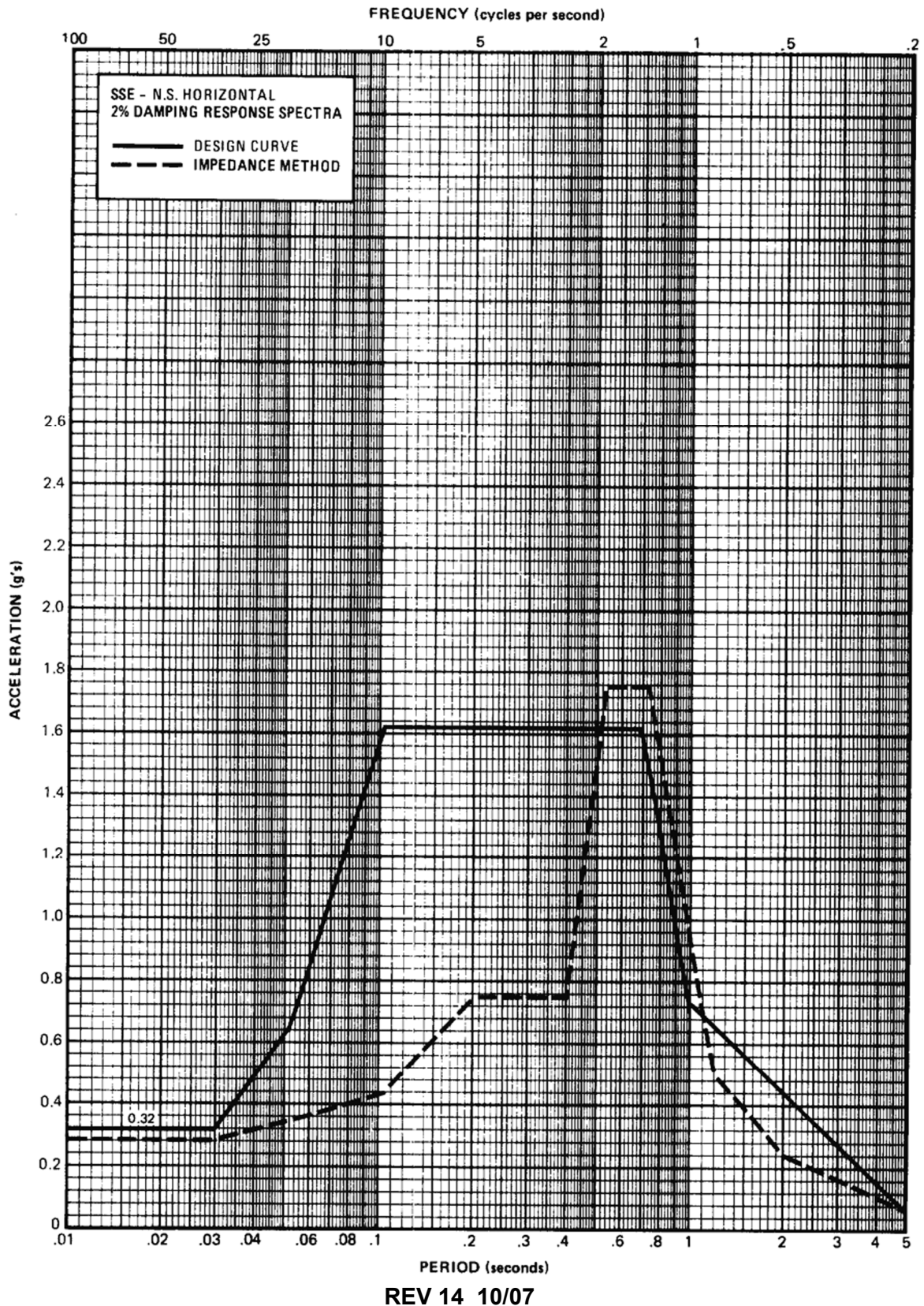
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VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING
EL. 220 FT. OPERATING LVL.

FIGURE 3D-134



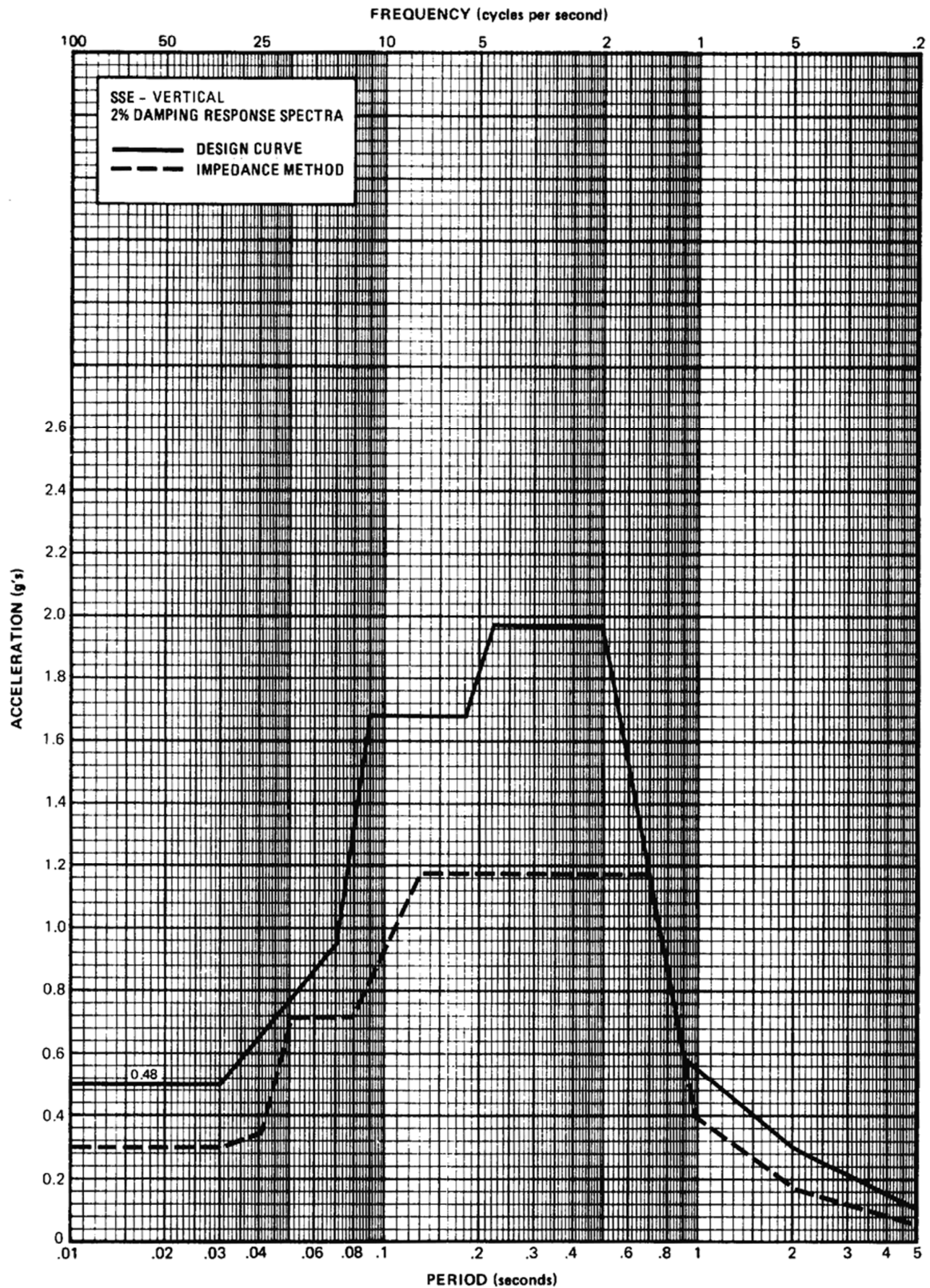
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VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING
EL. 220 FT. OPERATING LVL.

FIGURE 3D-135



REV 14 10/07



VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING
EL. 220 FT. OPERATING LVL.

FIGURE 3D-136