

MODE No. 27

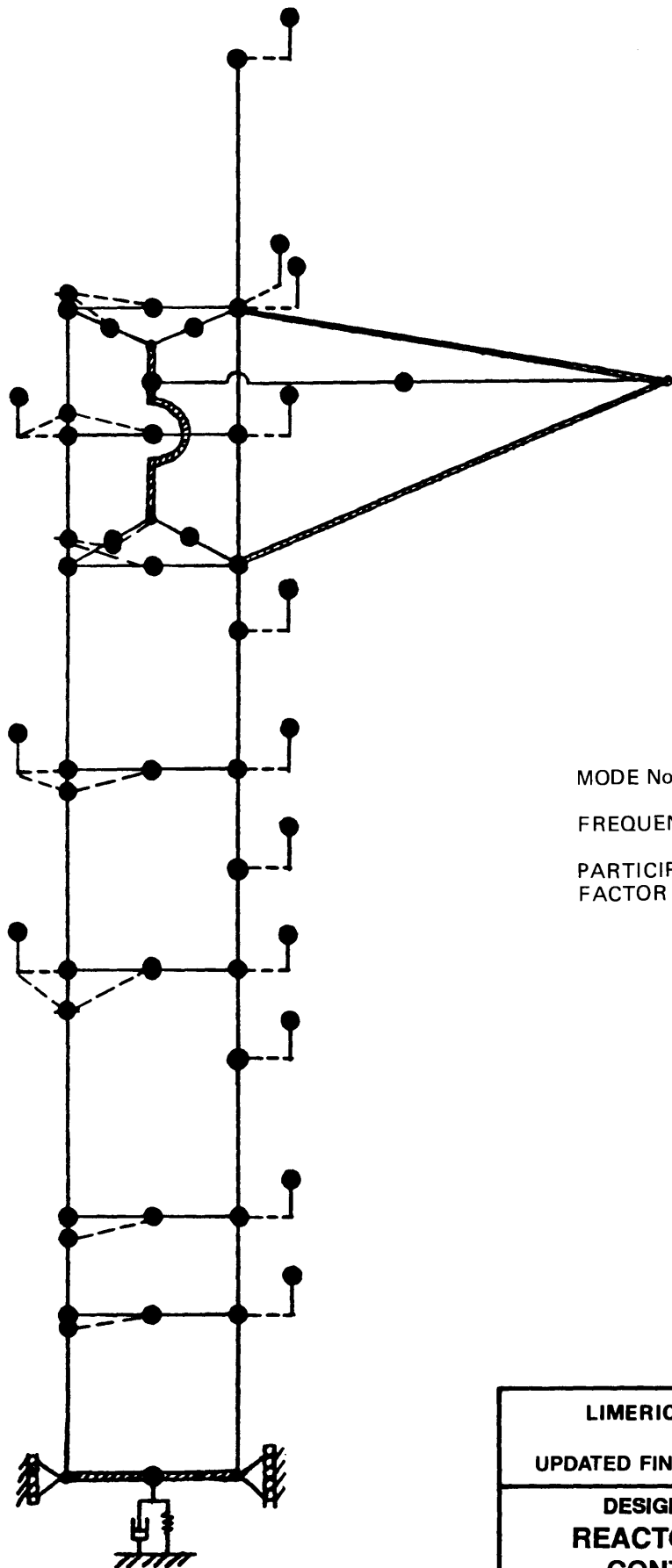
FREQUENCY = 18.39 Hz

PARTICIPATION
FACTOR = 27.28

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND
CONTROL STRUCTURE
MODE SHAPES

FIGURE 3A-160



MODE No. 29

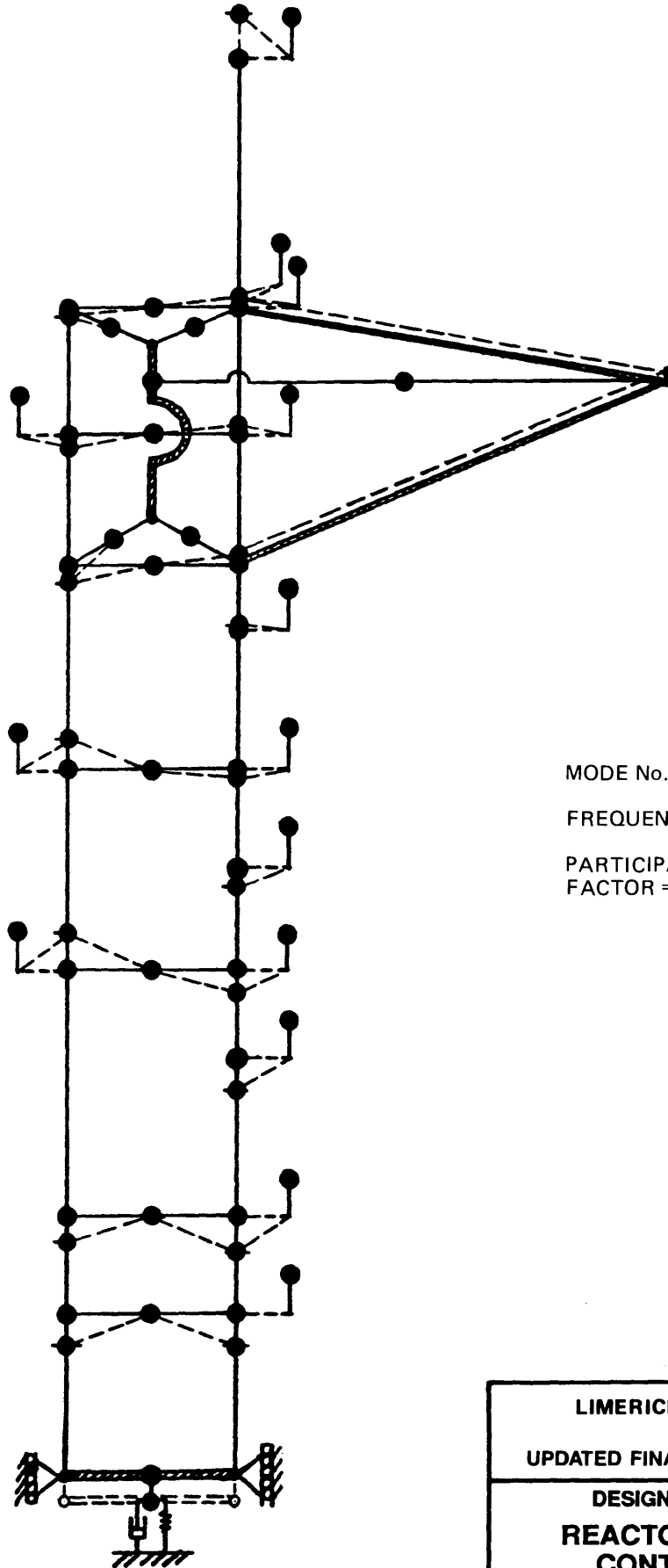
FREQUENCY = 29.86 Hz

PARTICIPATION
FACTOR = -10.40

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND
CONTROL STRUCTURE
MODE SHAPES

FIGURE 3A-161



MODE No. 30

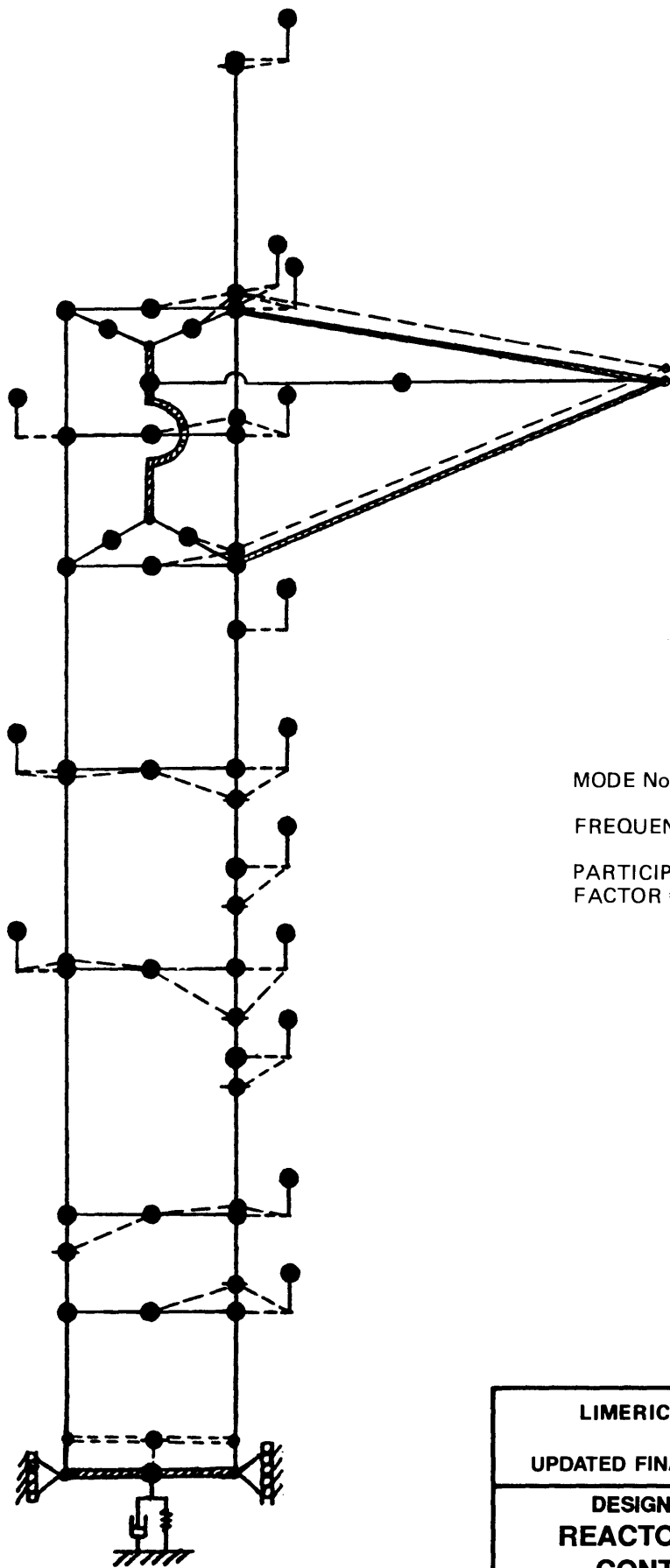
FREQUENCY = 38.20 Hz

PARTICIPATION
FACTOR = -23.12

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND
CONTROL STRUCTURE
MODE SHAPES

FIGURE 3A-162



MODE No. 34

FREQUENCY = 74.39 Hz

PARTICIPATION
FACTOR = 7.82

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

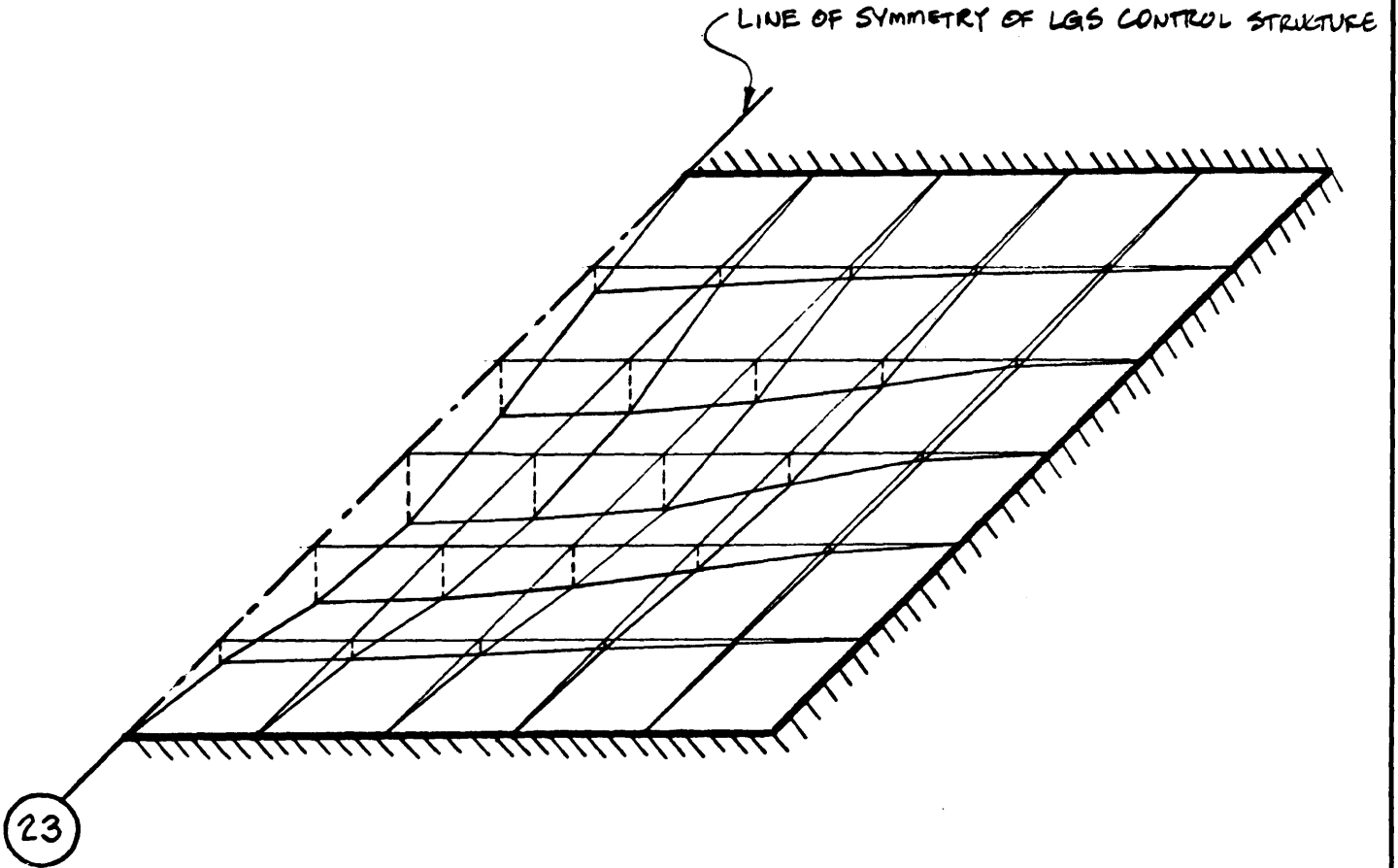
DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND
CONTROL STRUCTURE
MODE SHAPES

FIGURE 3A-163

MODE No.	FREQUENCY (Hz.)	PARTICIPATION FACTOR
1	14.20	-4.04
2	24.75	1.59
3	37.67	-0.0003
4	47.39	-1.04
5	48.03	-0.0001
6	68.63	-0.00005
7	73.01	1.77
8	78.53	0.71
9	82.70	0.59
10	94.42	-0.00007
11	99.84	-0.31

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
 CONTROL STRUCTURE MODE
 FREQUENCIES AND PARTICIPATION
 FACTORS (VERTICAL LOCAL FLOOR
 MODEL AT EL. 269'-0")
 FIGURE 3A-164

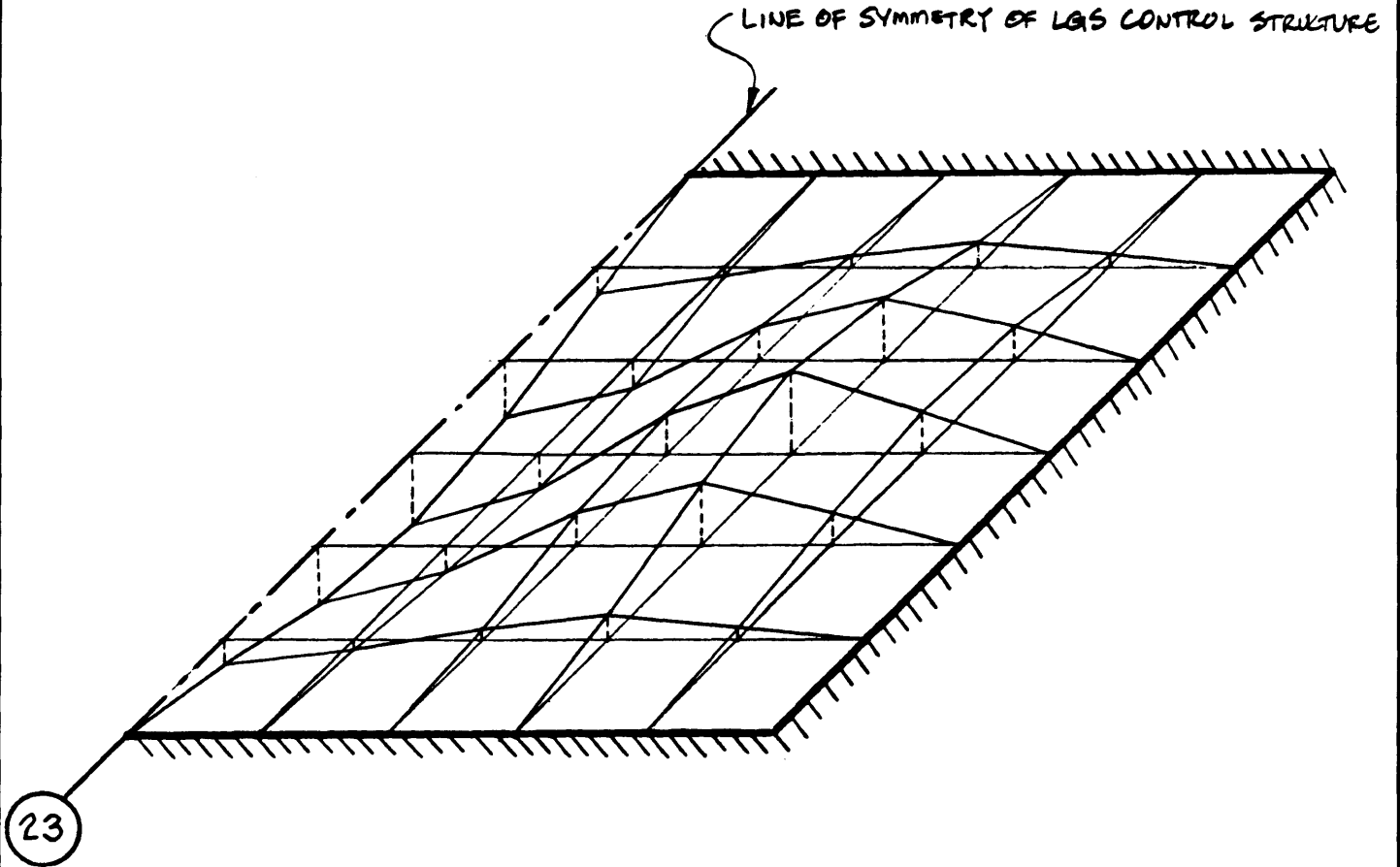


MODE No. 1

FREQUENCY = 14.20 Hz

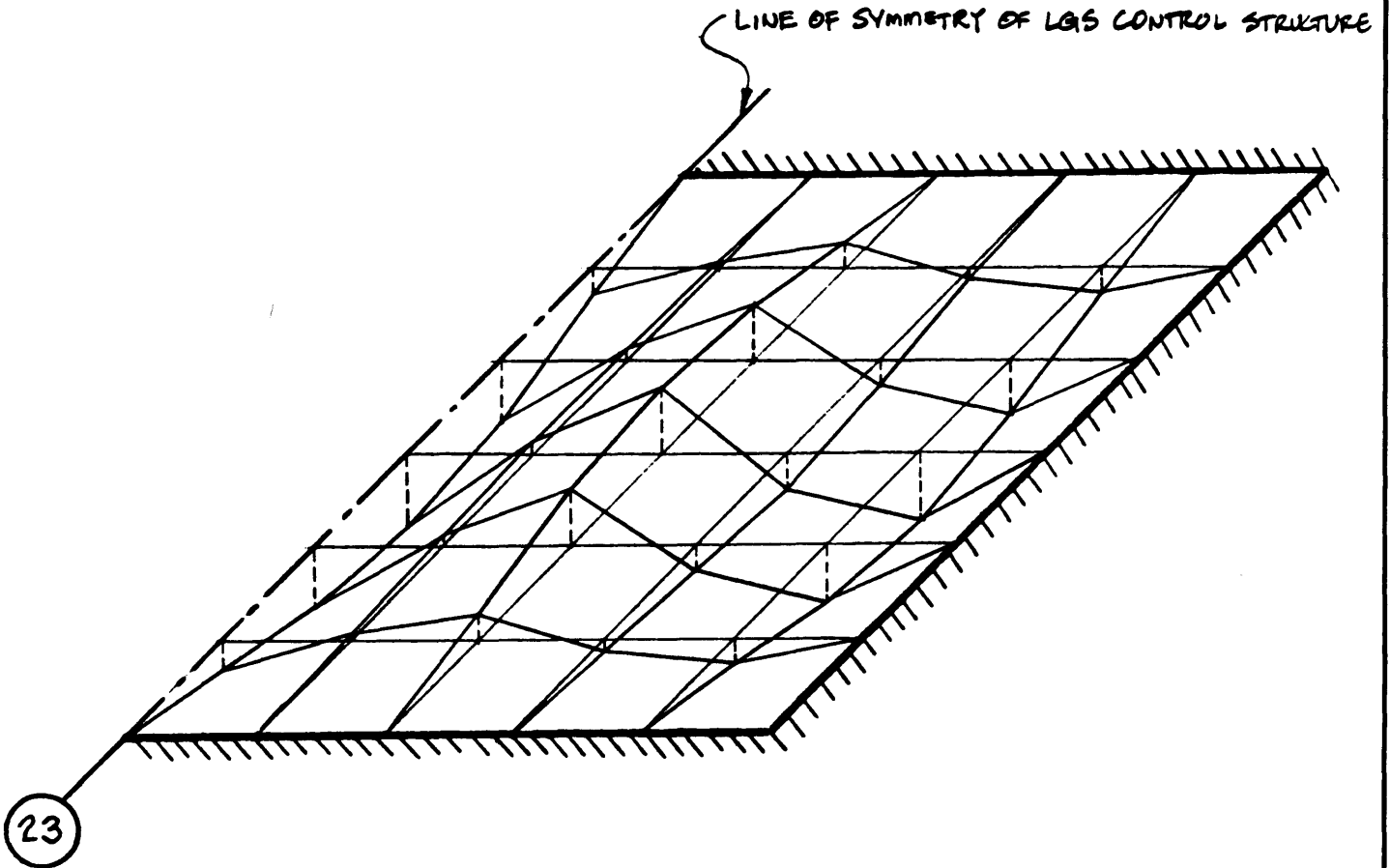
PARTICIPATION
FACTOR = -4.04

<p>LIMERICK GENERATING STATION UNITS 1 AND 2 UPDATED FINAL SAFETY ANALYSIS REPORT</p>
<p>DESIGN ASSESSMENT REPORT CONTROL STRUCTURE VERTICAL LOCAL FLOOR MODEL MODE SHAPES (EL. 269'-0")</p>
<p>FIGURE 3A-165</p>



MODE No. 2
FREQUENCY = 24.75 Hz
PARTICIPATION
FACTOR = 1.59

<p>LIMERICK GENERATING STATION UNITS 1 AND 2 UPDATED FINAL SAFETY ANALYSIS REPORT</p>
<p>DESIGN ASSESSMENT REPORT CONTROL STRUCTURE VERTICAL LOCAL FLOOR MODEL MODE SHAPES (EL. 269'-0")</p>
<p>FIGURE 3A-166</p>



MODE No. 4

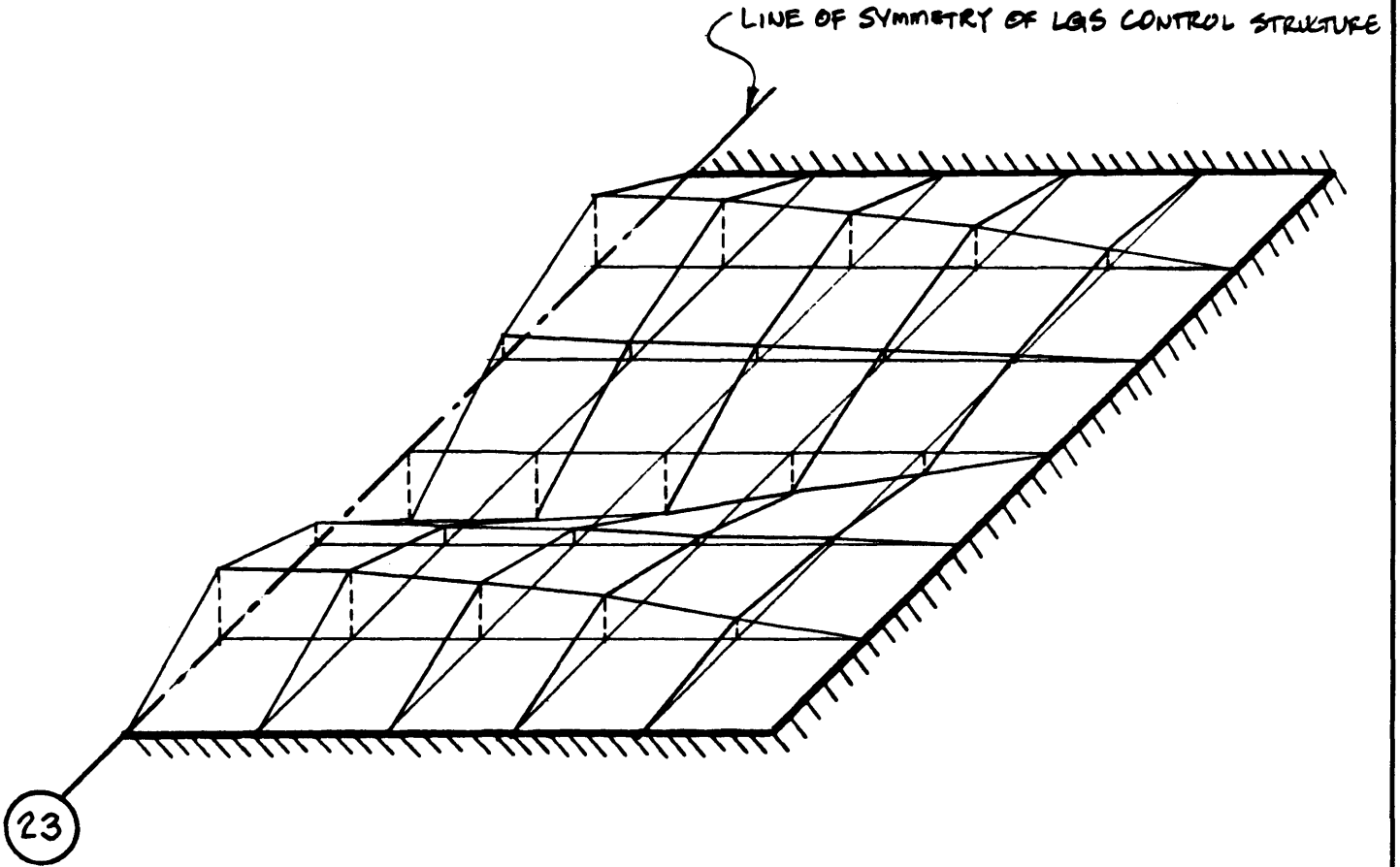
FREQUENCY = 47.39 Hz

PARTICIPATION
FACTOR = -1.04

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE VERTICAL LOCAL
FLOOR MODEL MODE SHAPES
(EL. 269'-0")

FIGURE 3A-167



MODE No. 7

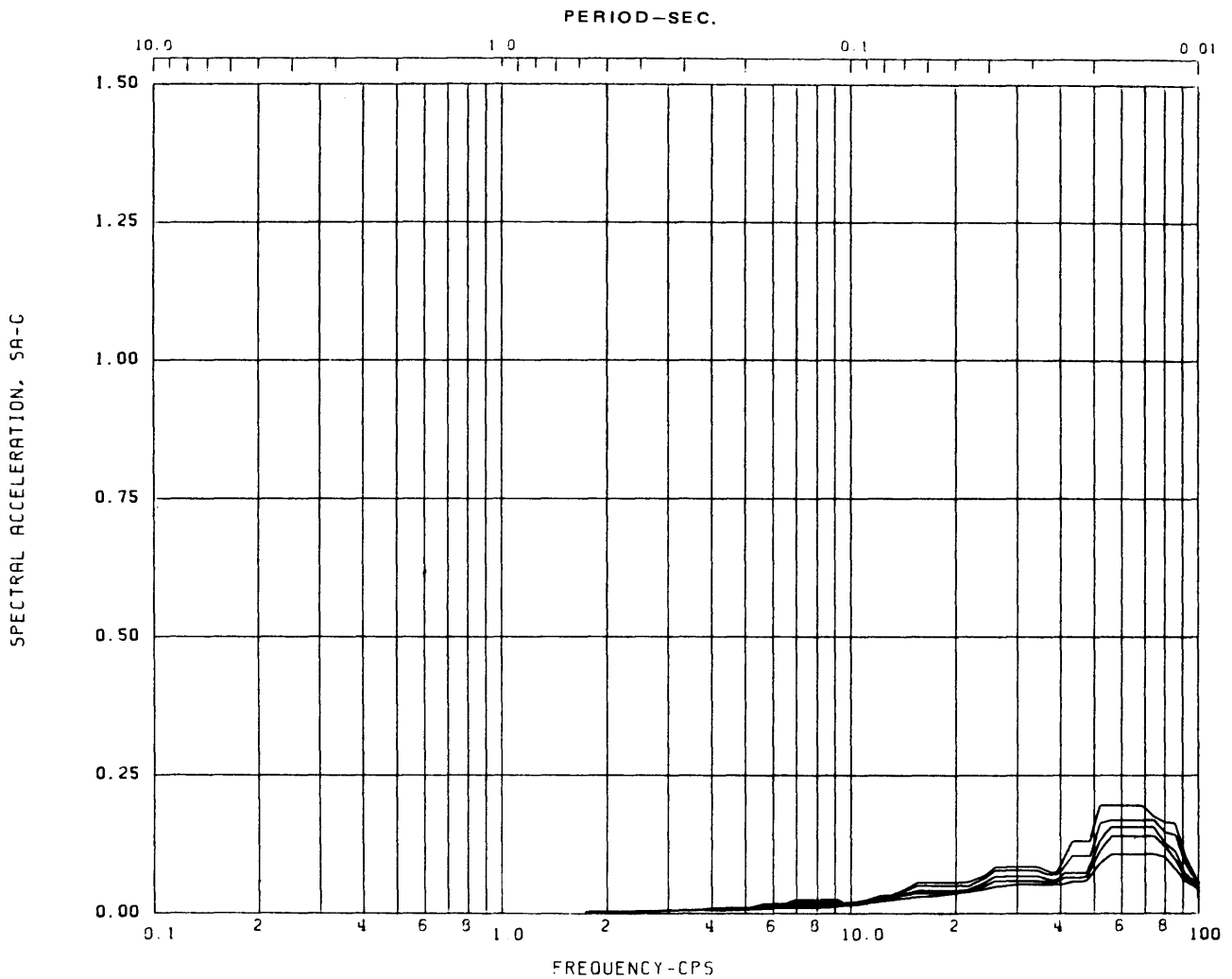
FREQUENCY = 73.01 Hz

PARTICIPATION
FACTOR = 1.77

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE VERTICAL LOCAL
FLOOR MODEL MODE SHAPES
(EL. 269'-0")

FIGURE 3A-168



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

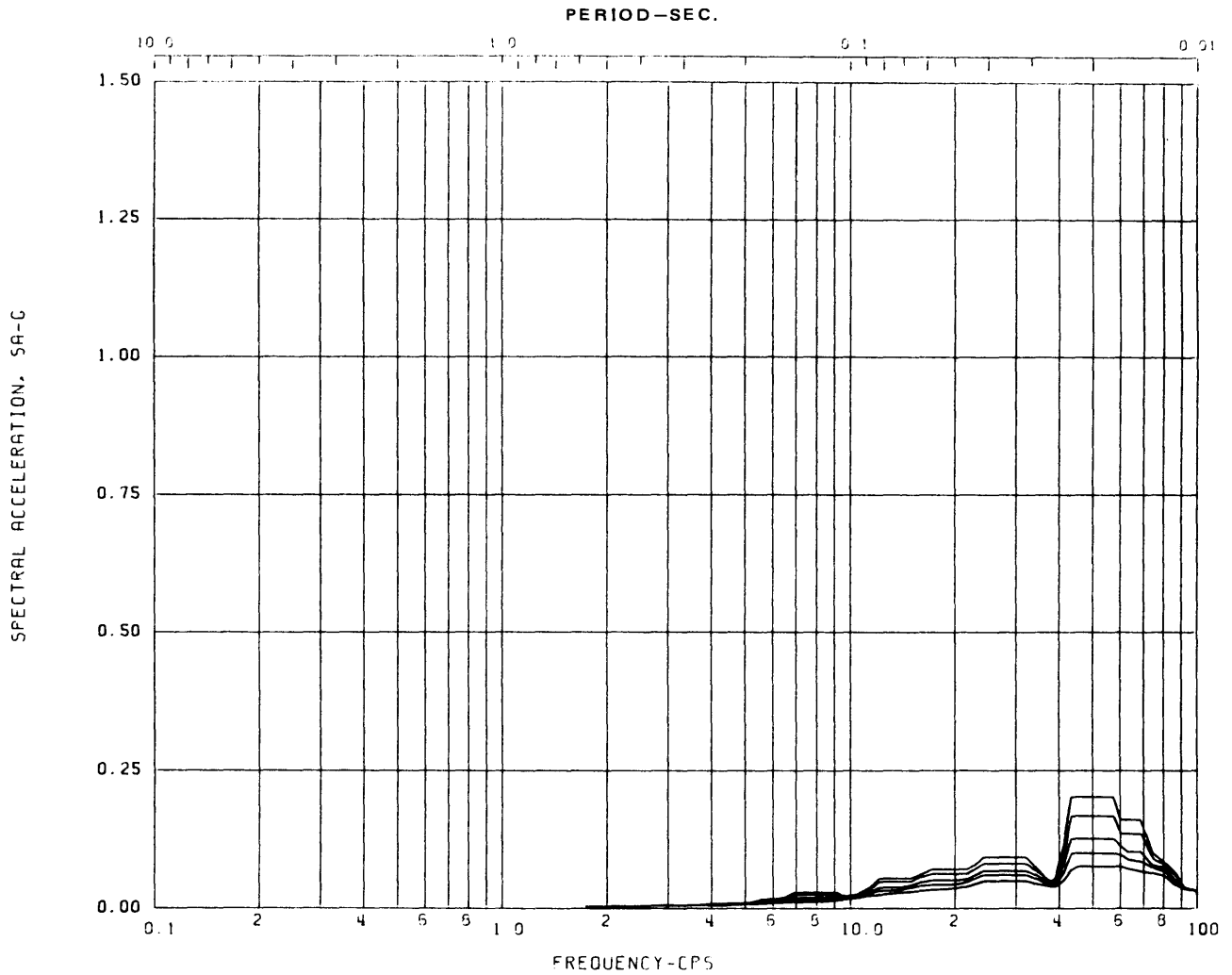
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 1 Direction: N-S HORIZ Elev: 177'-0

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, N-S HORIZONTAL,
 SRV ASYMMETRIC
 FIGURE 3A-169



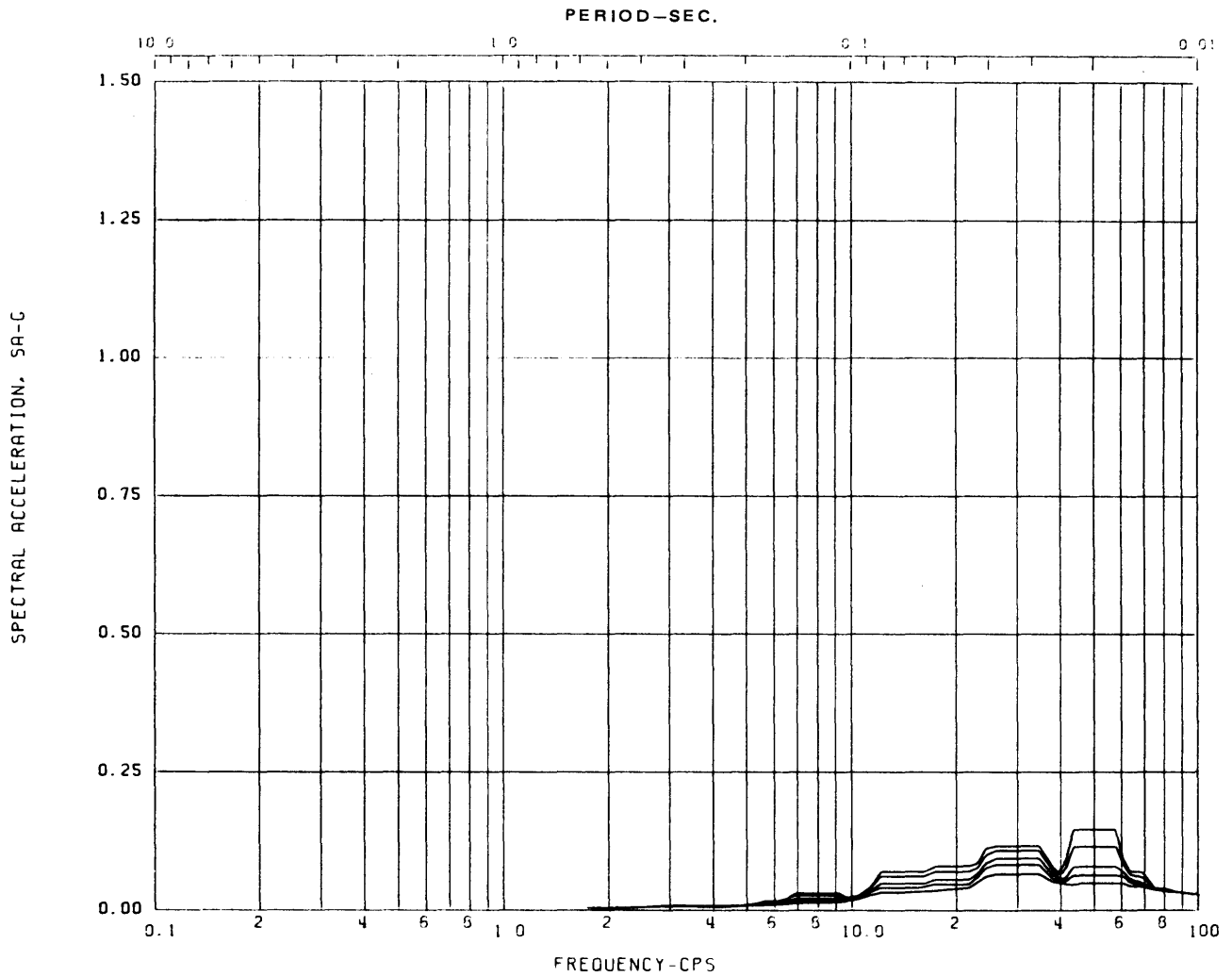
Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 2 Direction: N-S HORIZ Elev: 201'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT
DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-170**



Acceleration Spectra for REACTORENCL., CONTROL STRUCTURE

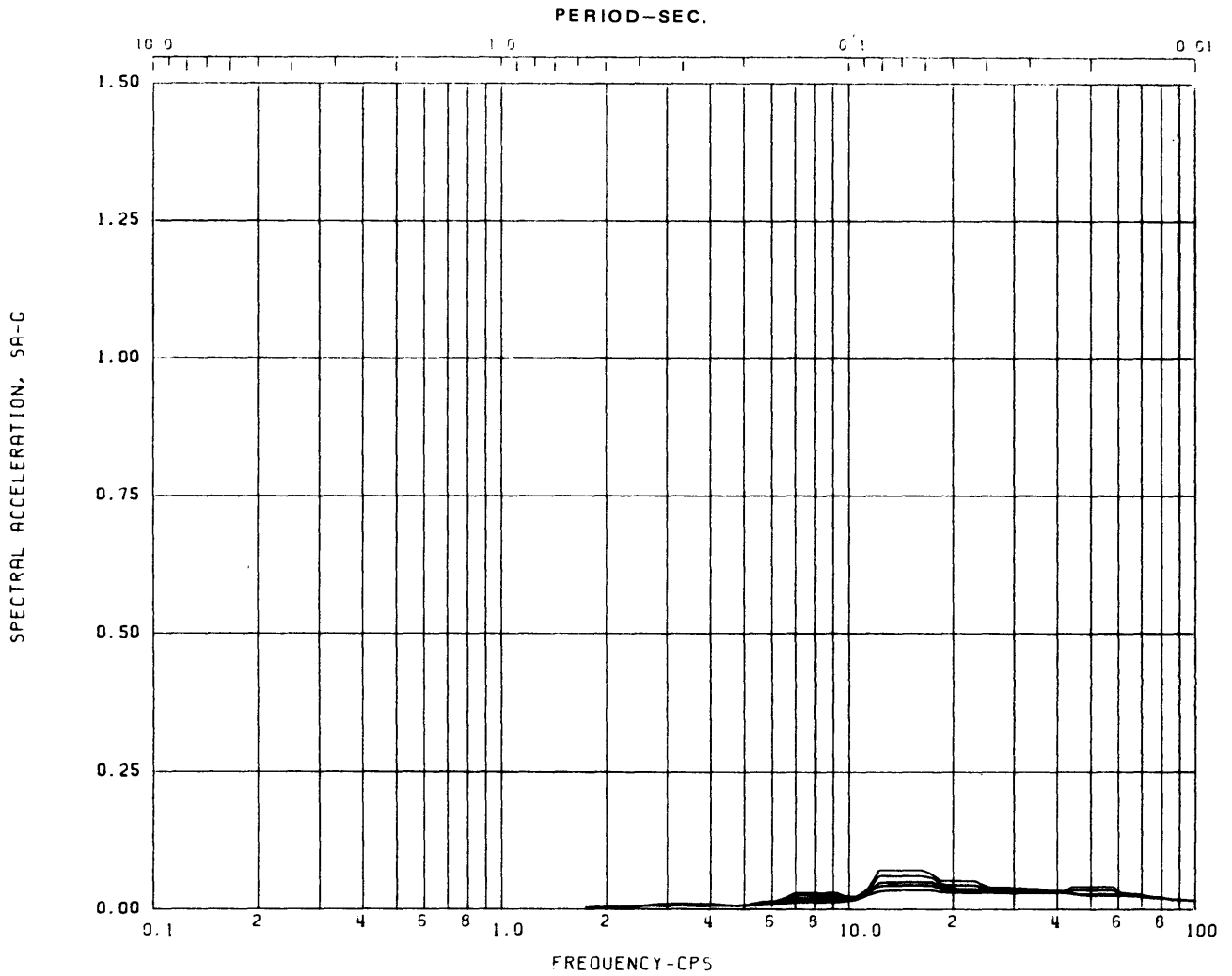
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 3 Direction: N-S HORIZ Elev: 217'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-171



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

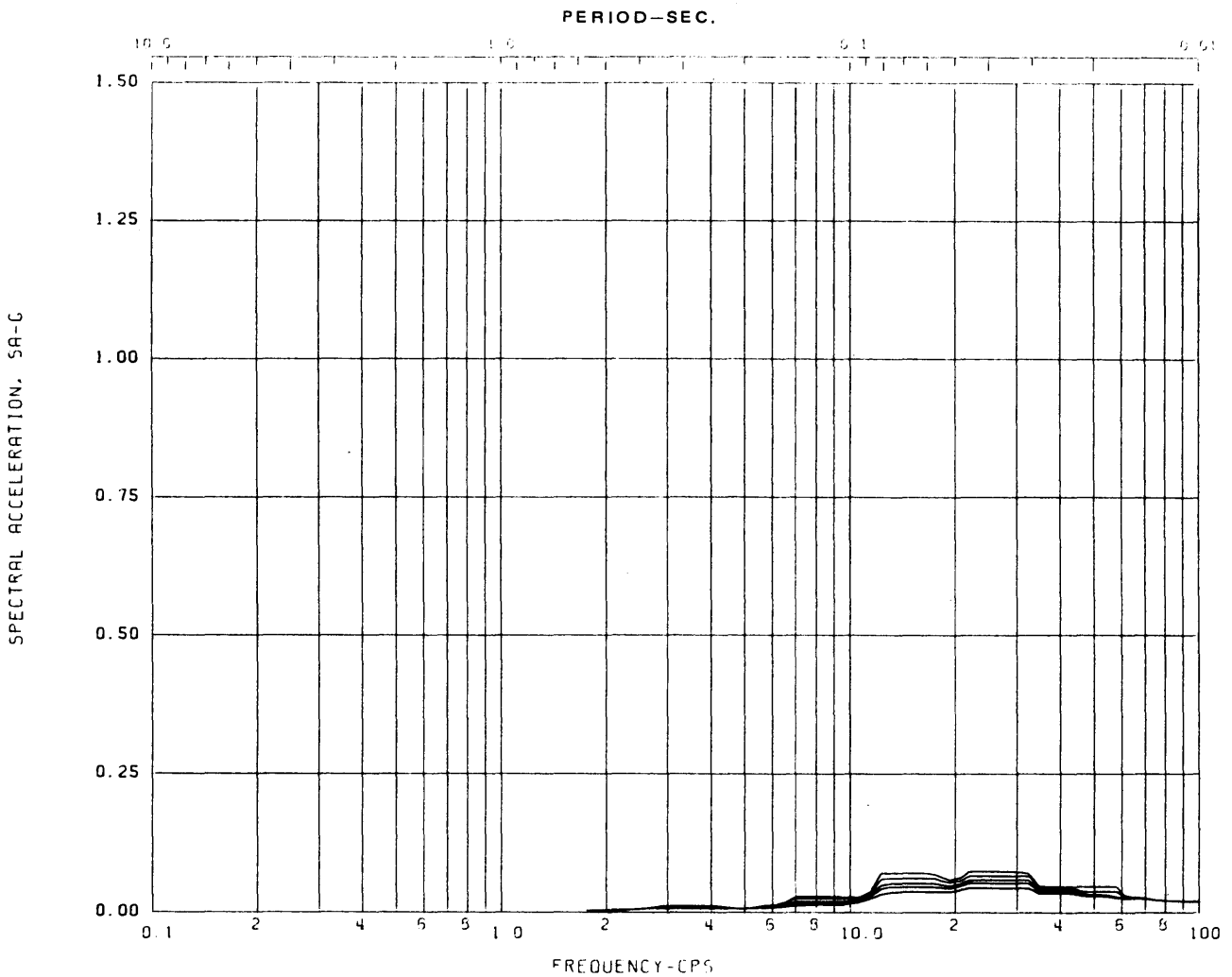
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 4 Direction: N-S HORIZ Elev: 239'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-172**



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

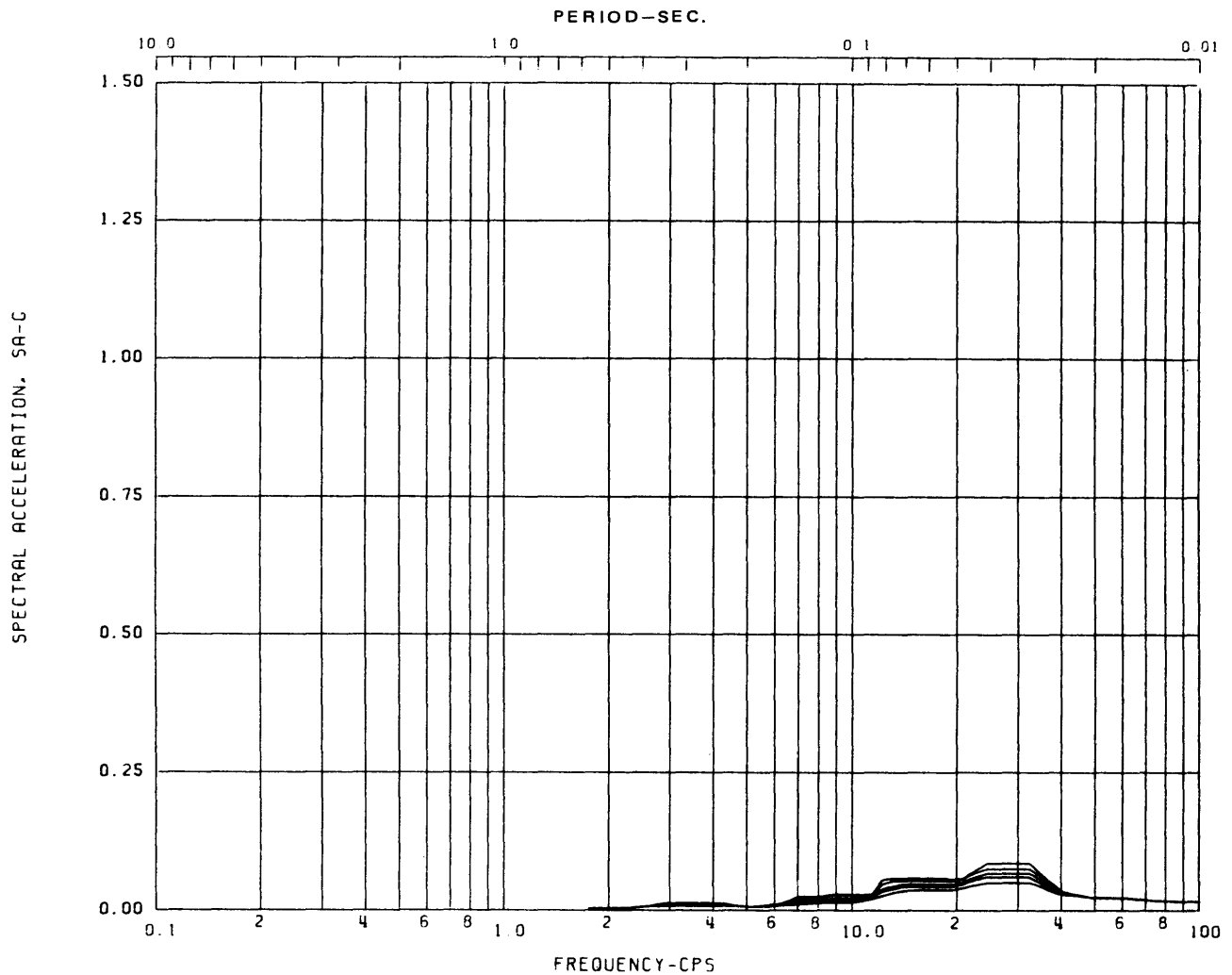
Node: 5 Direction: N-S HORIZ Elev: 253'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
SRV ASYMMETRIC**

FIGURE 3A-173



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

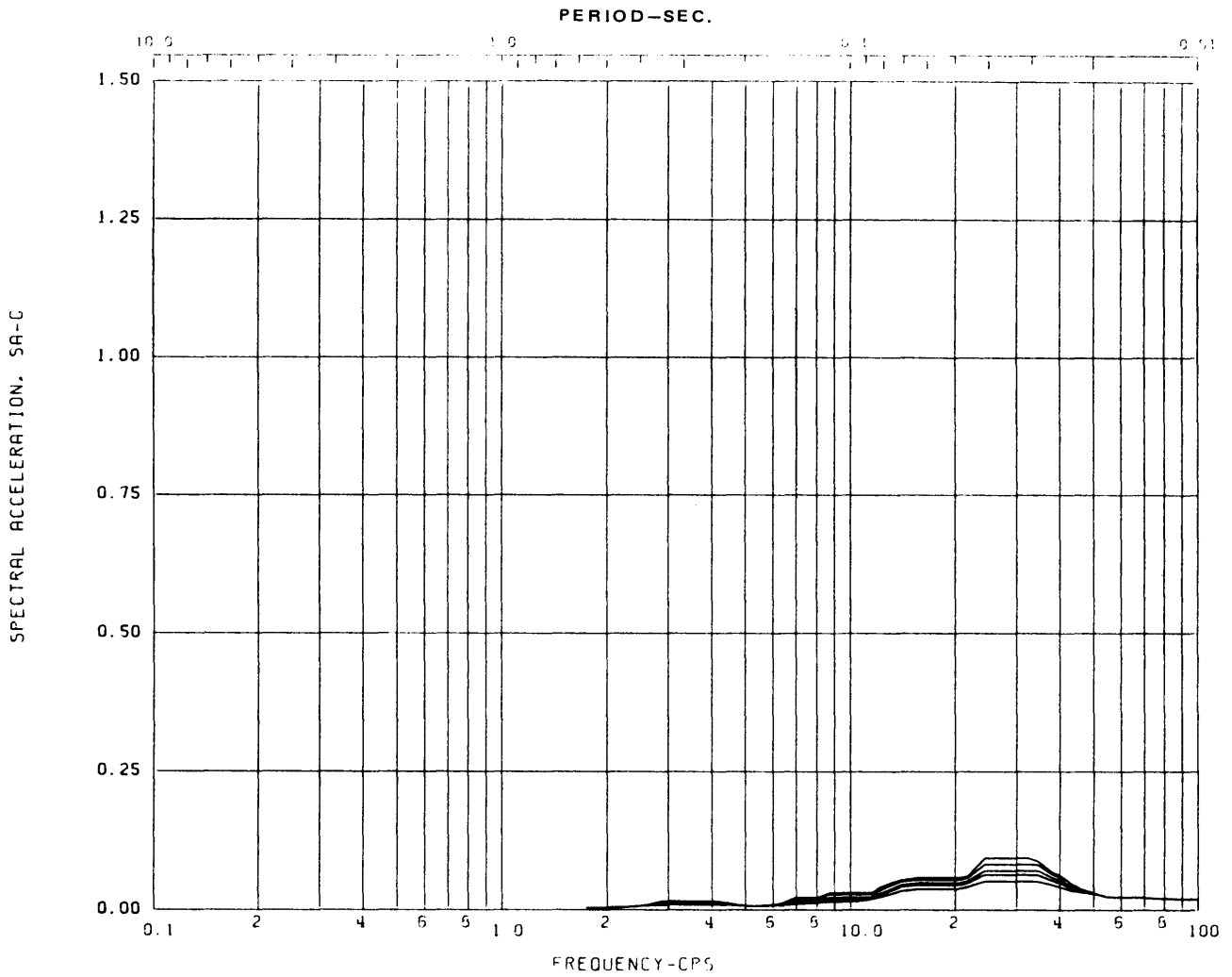
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 6 Direction: N-S HORIZ Elev: 269'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-174



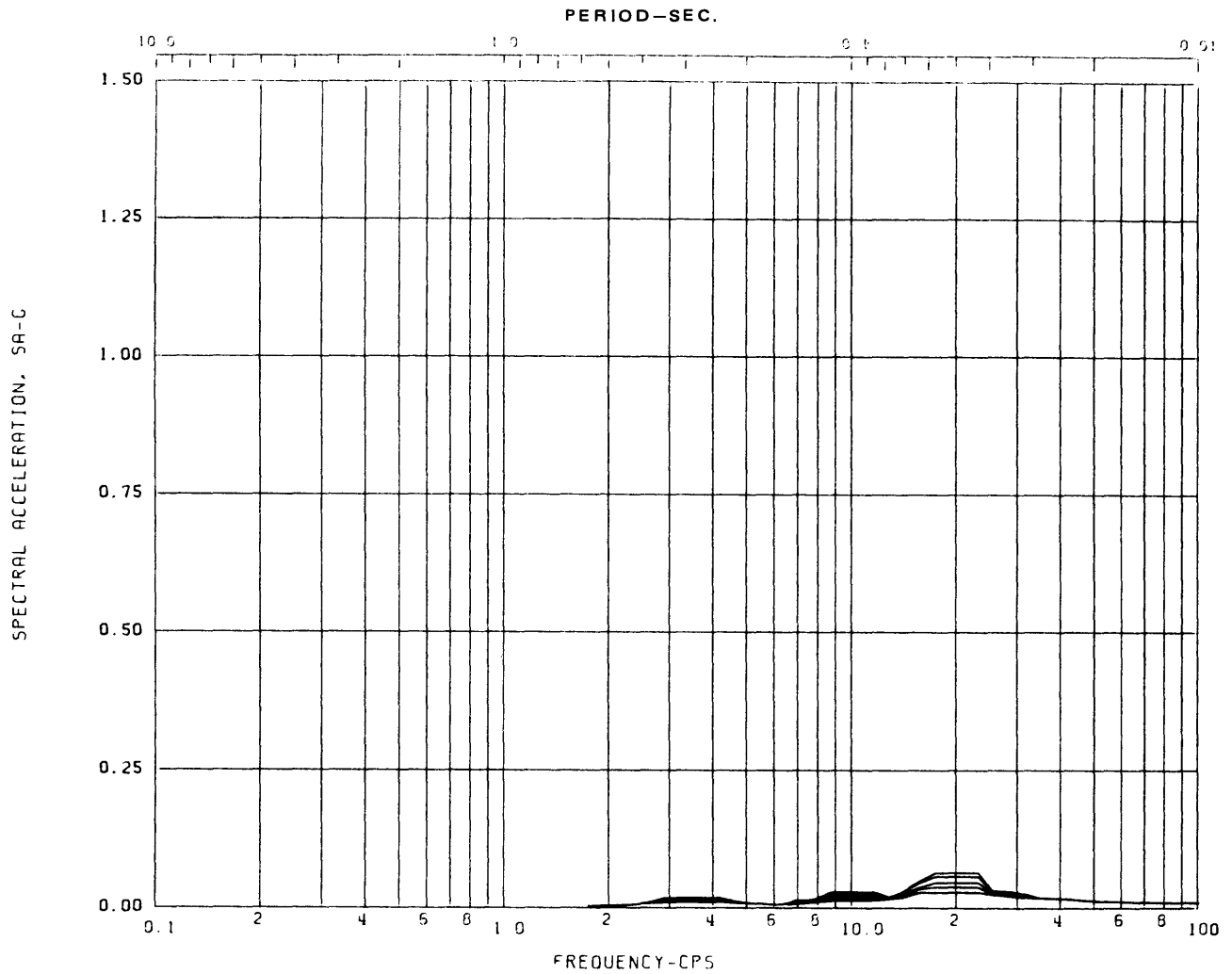
Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 7 Direction: N-S HORIZ Elev: 283'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT
DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-175



Acceleration Spectra for REACTOR ENCL. , CONTROL STRUCTURE

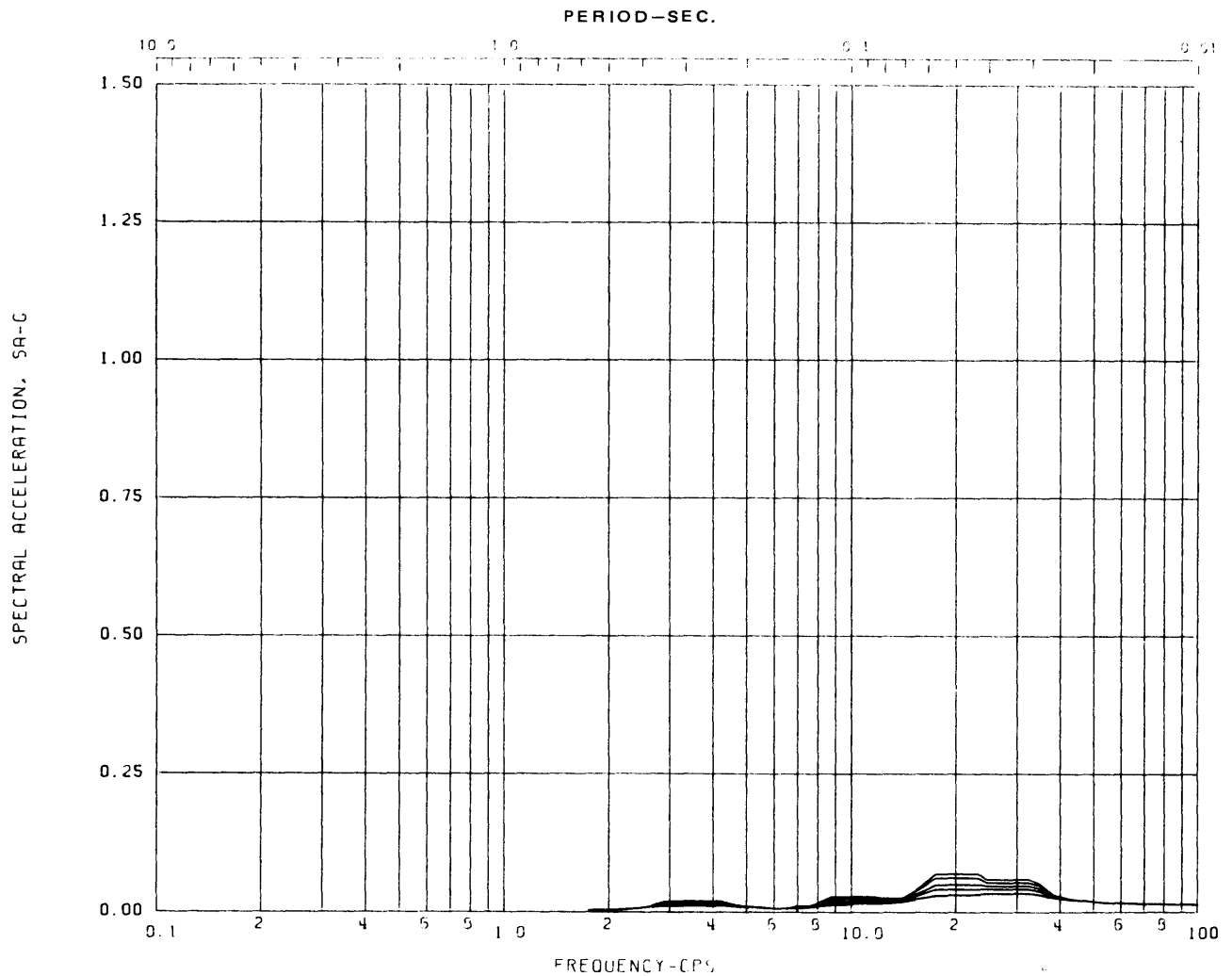
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 8 Direction: N-S HORIZ Elev: 304'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-176



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

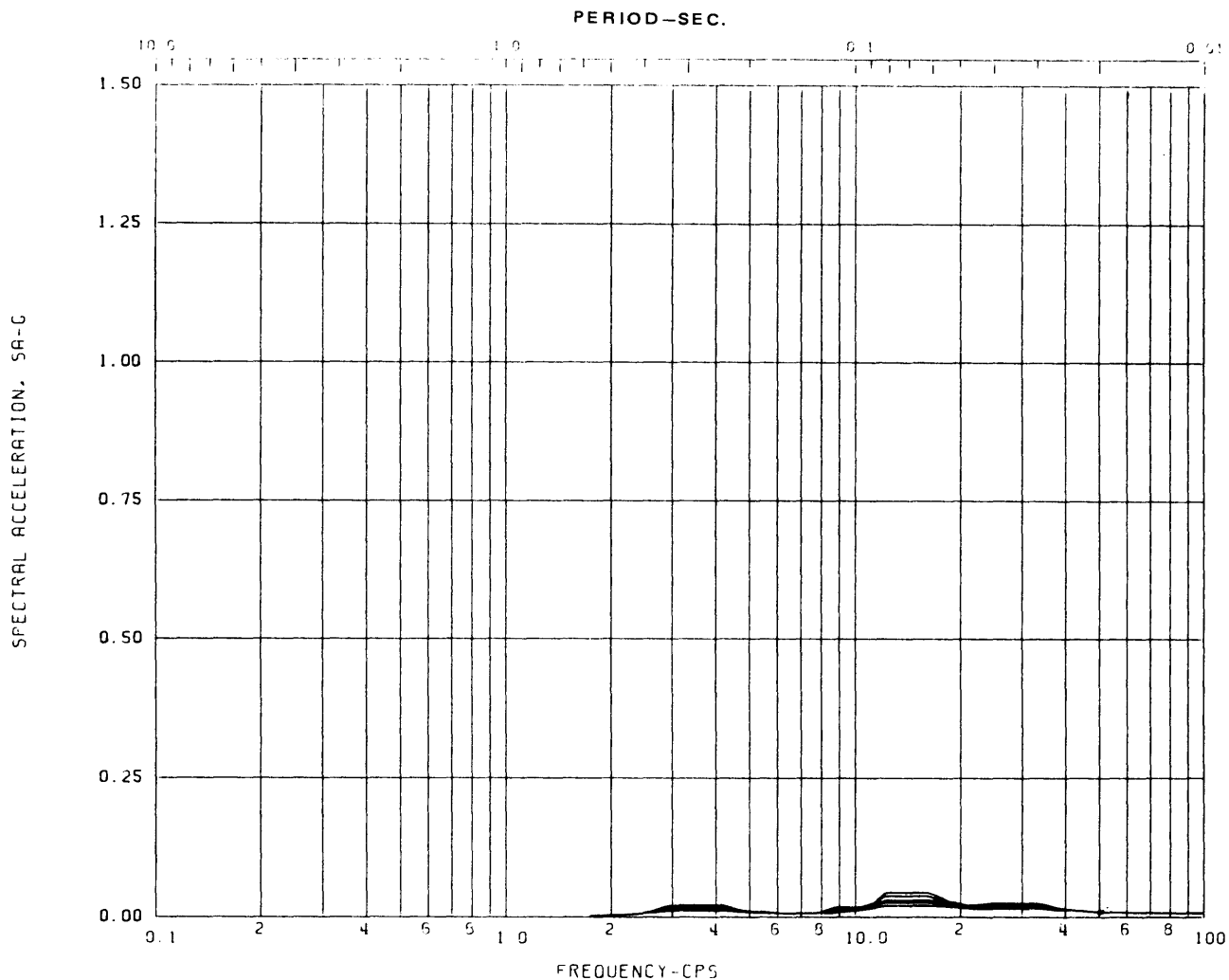
Node: 9 Direction: N-S HORIZ Elev: 313'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
SRV ASYMMETRIC**

FIGURE 3A-177



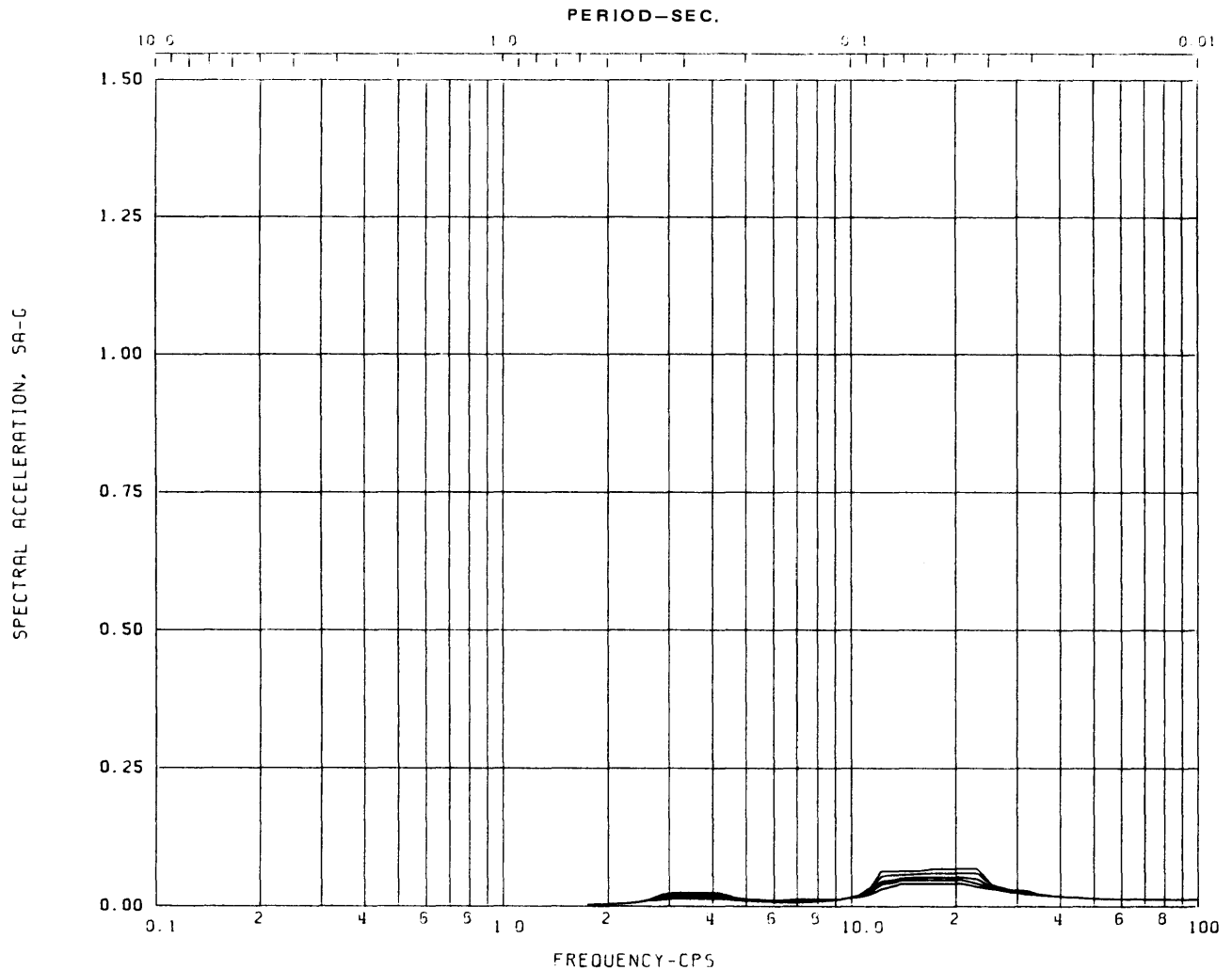
Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 10 Direction: N-S HORIZ Elev: 332'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT
 DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, N-S HORIZONTAL,
 SRV ASYMMETRIC
 FIGURE 3A-178



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

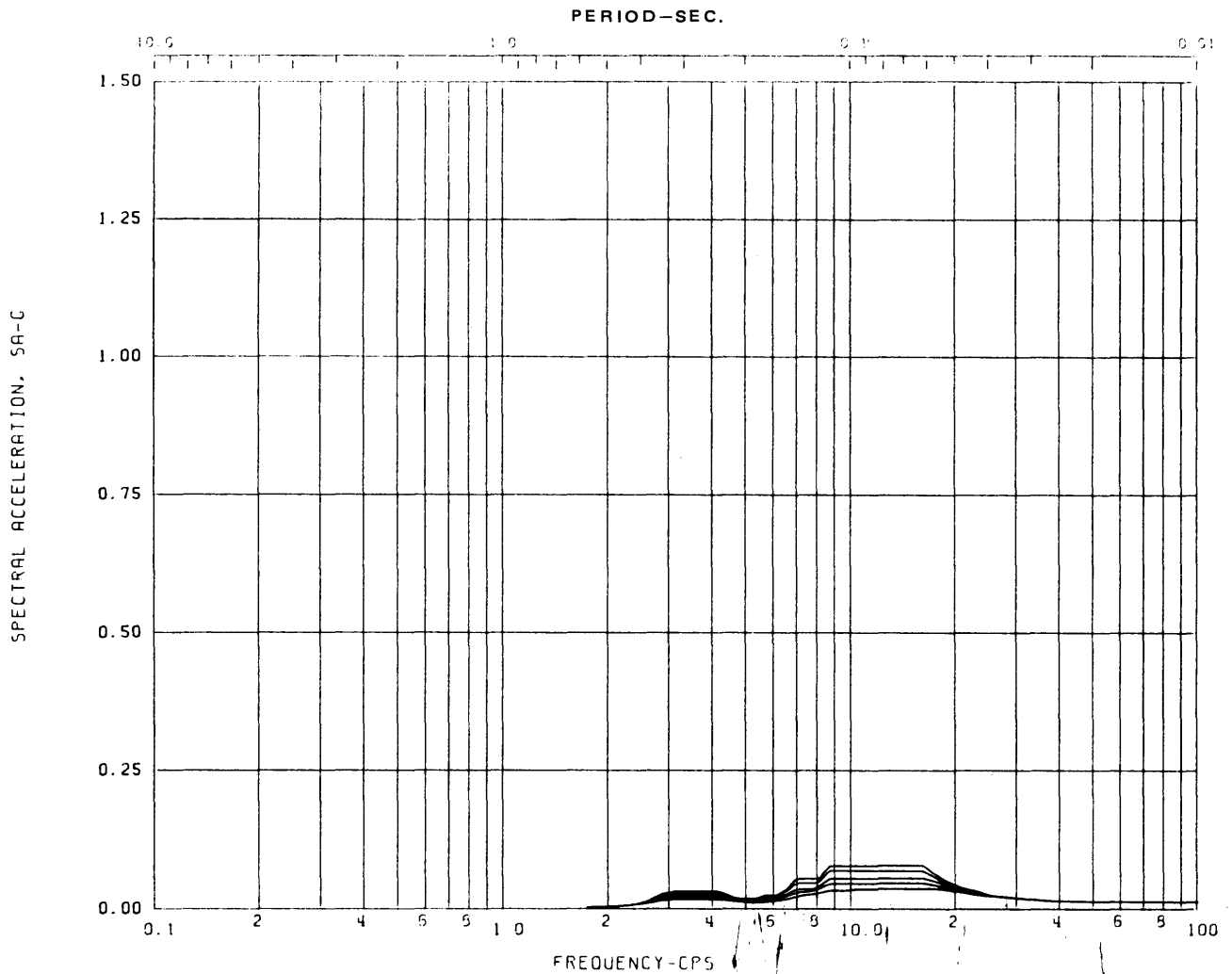
Node: 11 Direction: N-S HORIZ Elev: 352'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
SRV ASYMMETRIC

FIGURE 3A-179



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

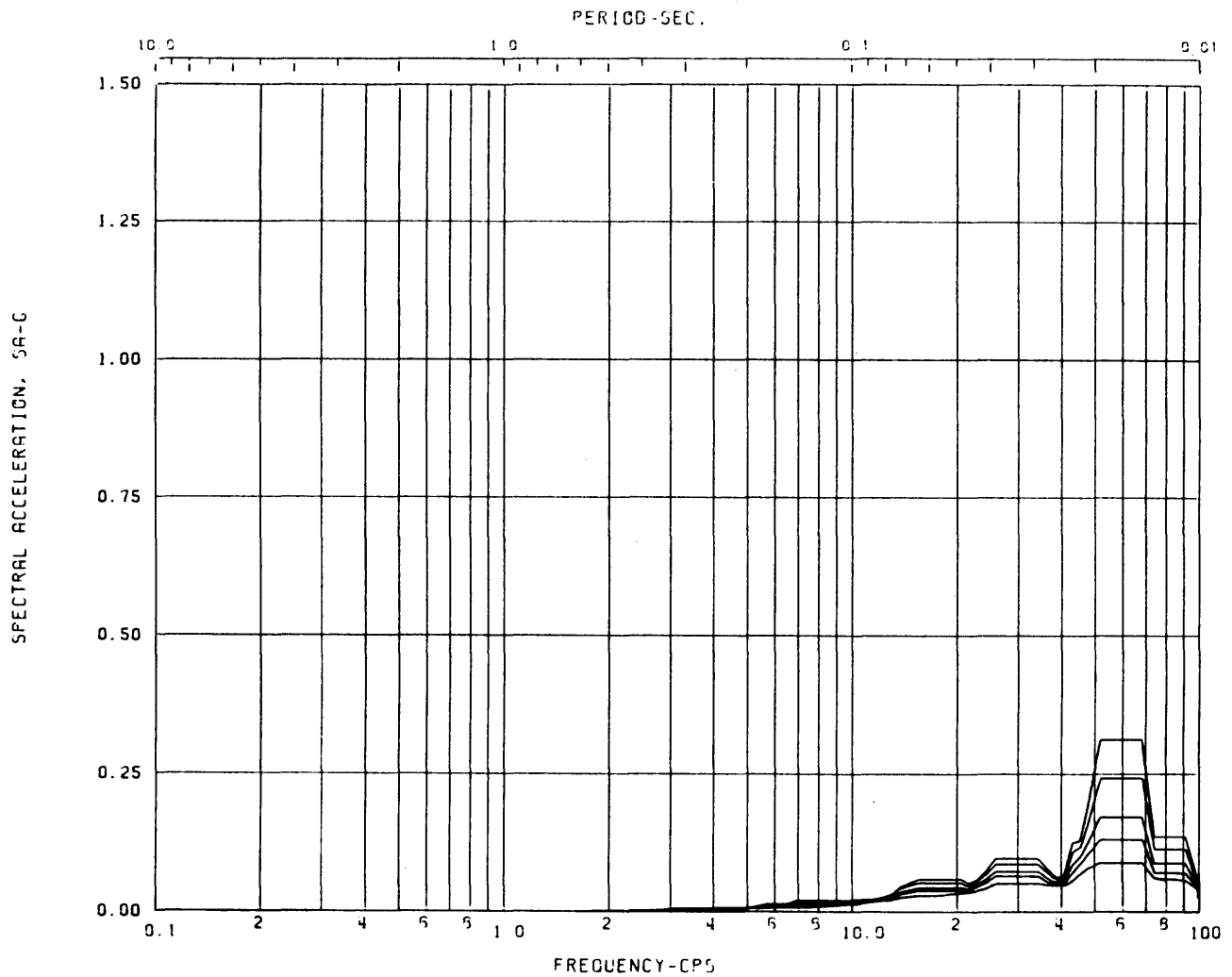
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 12 Direction: N-S HORIZ Elev: 410'-0

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-180**



Acceleration Spectra for REACTOR ENCL. , CONTROL STRUCTURE

Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDFNE D - 15%)

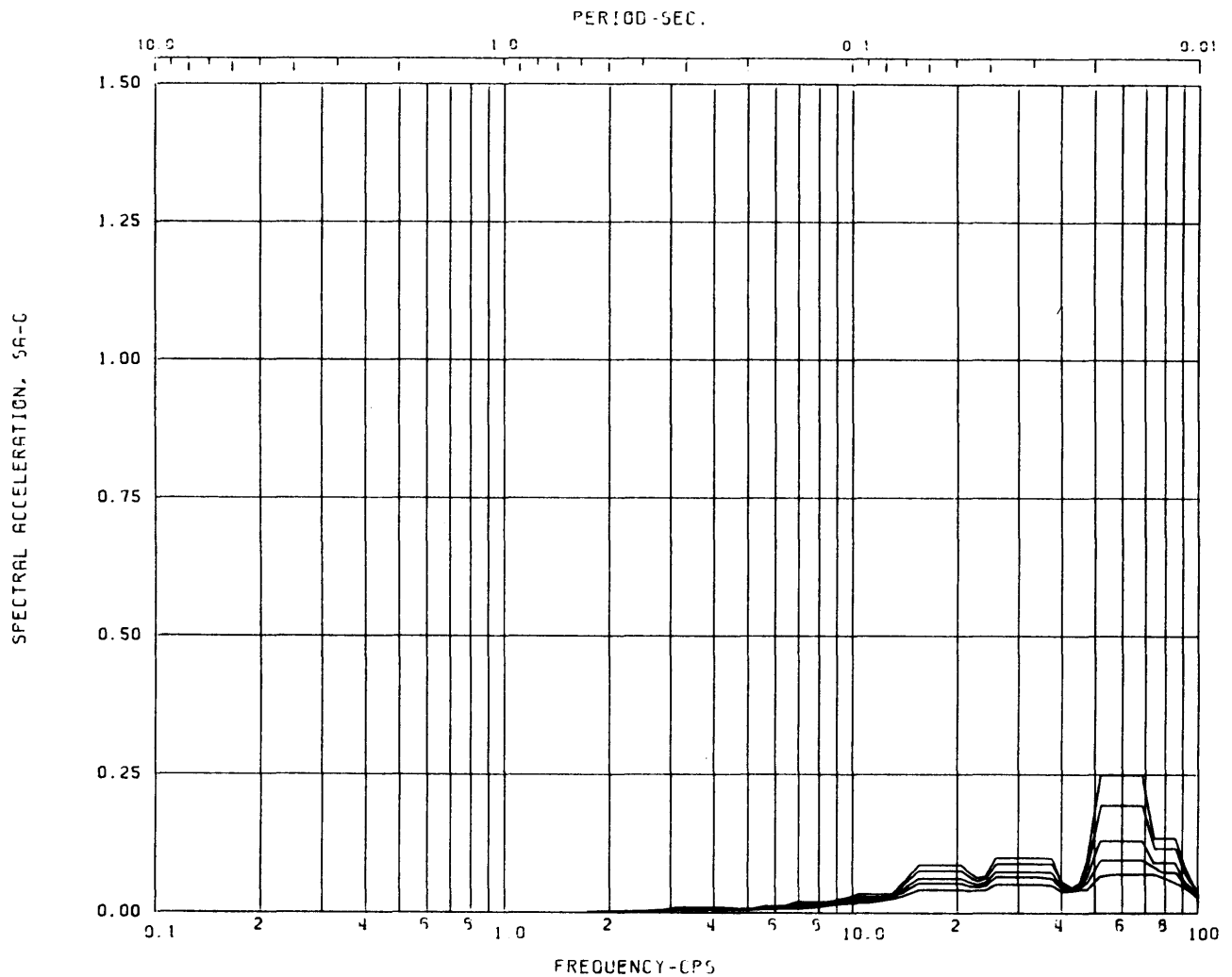
Node: 1 Direction: E-W HORIZ Elev: 177'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
SRV ASYMMETRIC**

FIGURE 3A-181



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

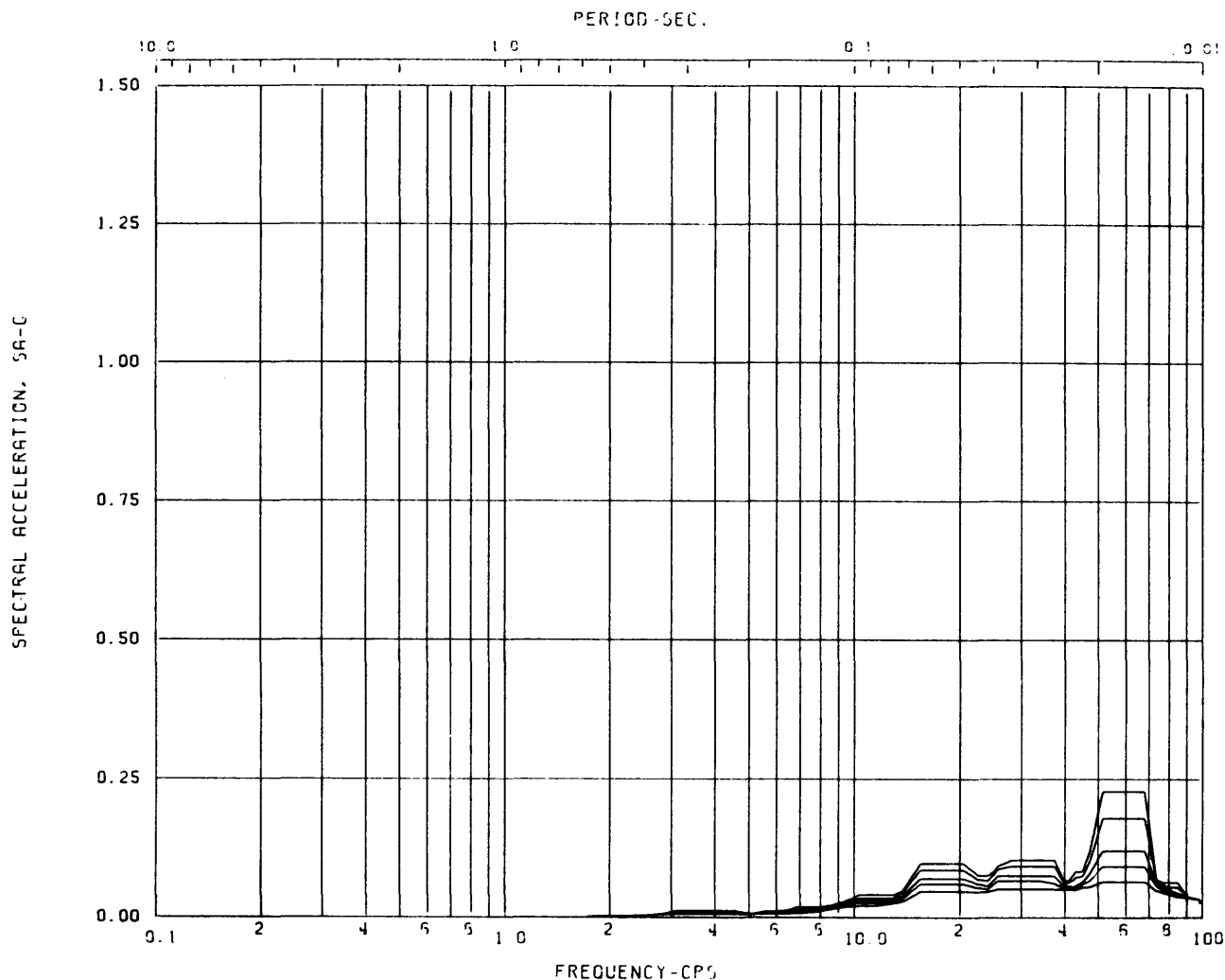
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 2 Direction: E-W HORIZ Elev: 201'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-182



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

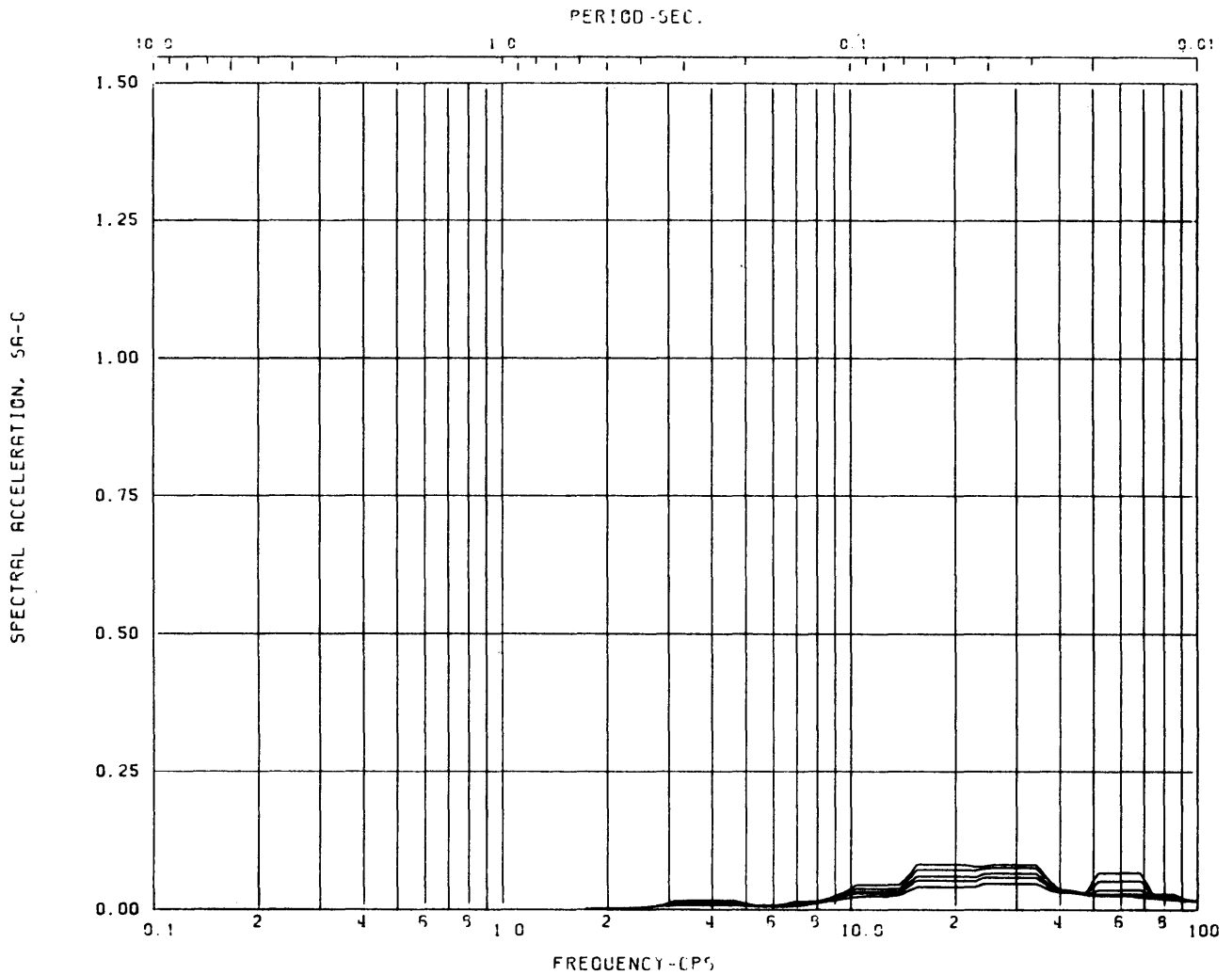
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 3 Direction: E-W HORIZ Elev: 217'-0

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-183



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

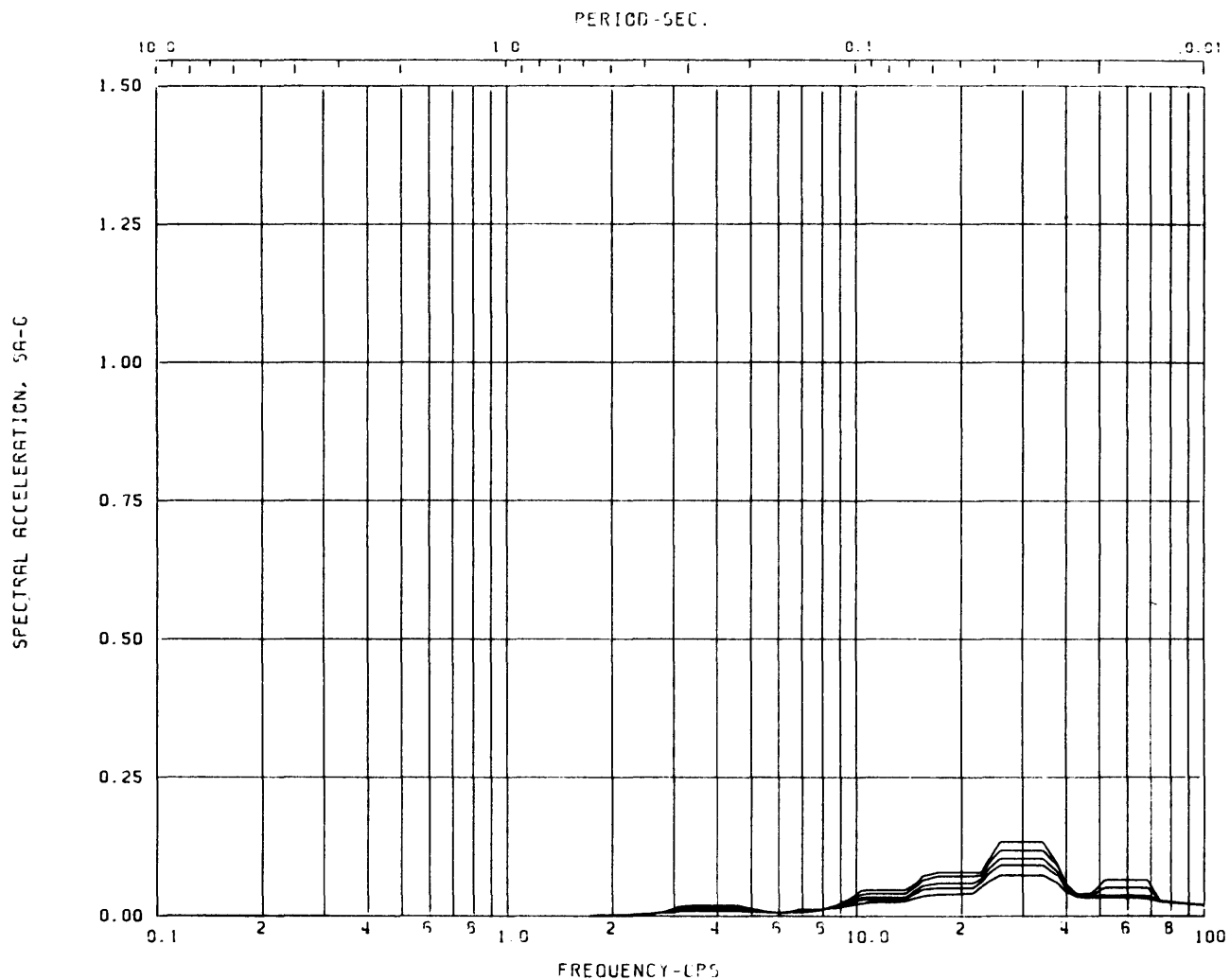
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDFND - 15%)

Node: 4 Direction: E-W HORIZ Elev: 239'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

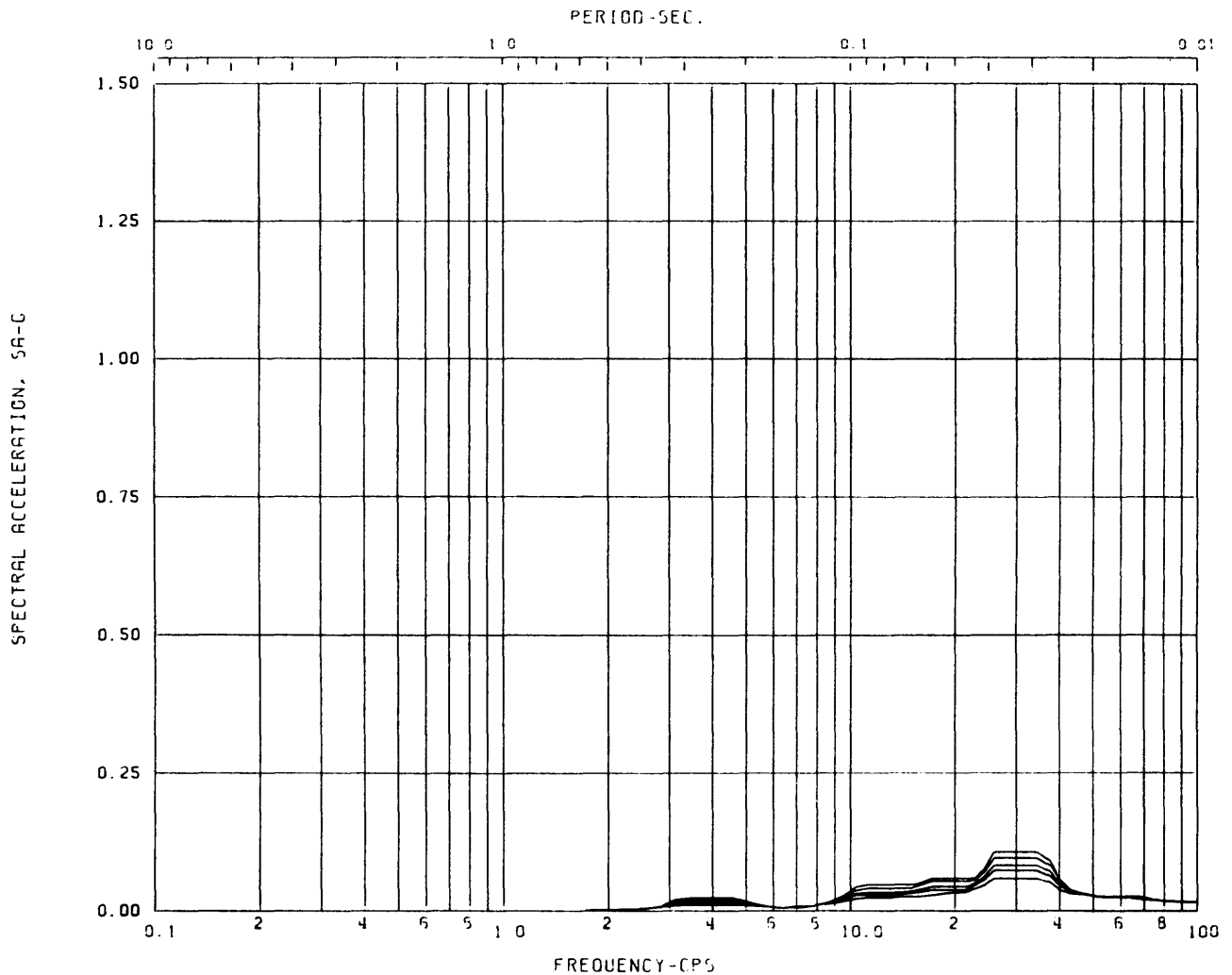
**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-184**



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE
 Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDFND - 15%)
 Node: 5 Direction: E-W HORIZ Elev: 253'-0
 Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, E-W HORIZONTAL,
 SRV ASYMMETRIC
 FIGURE 3A-185**



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

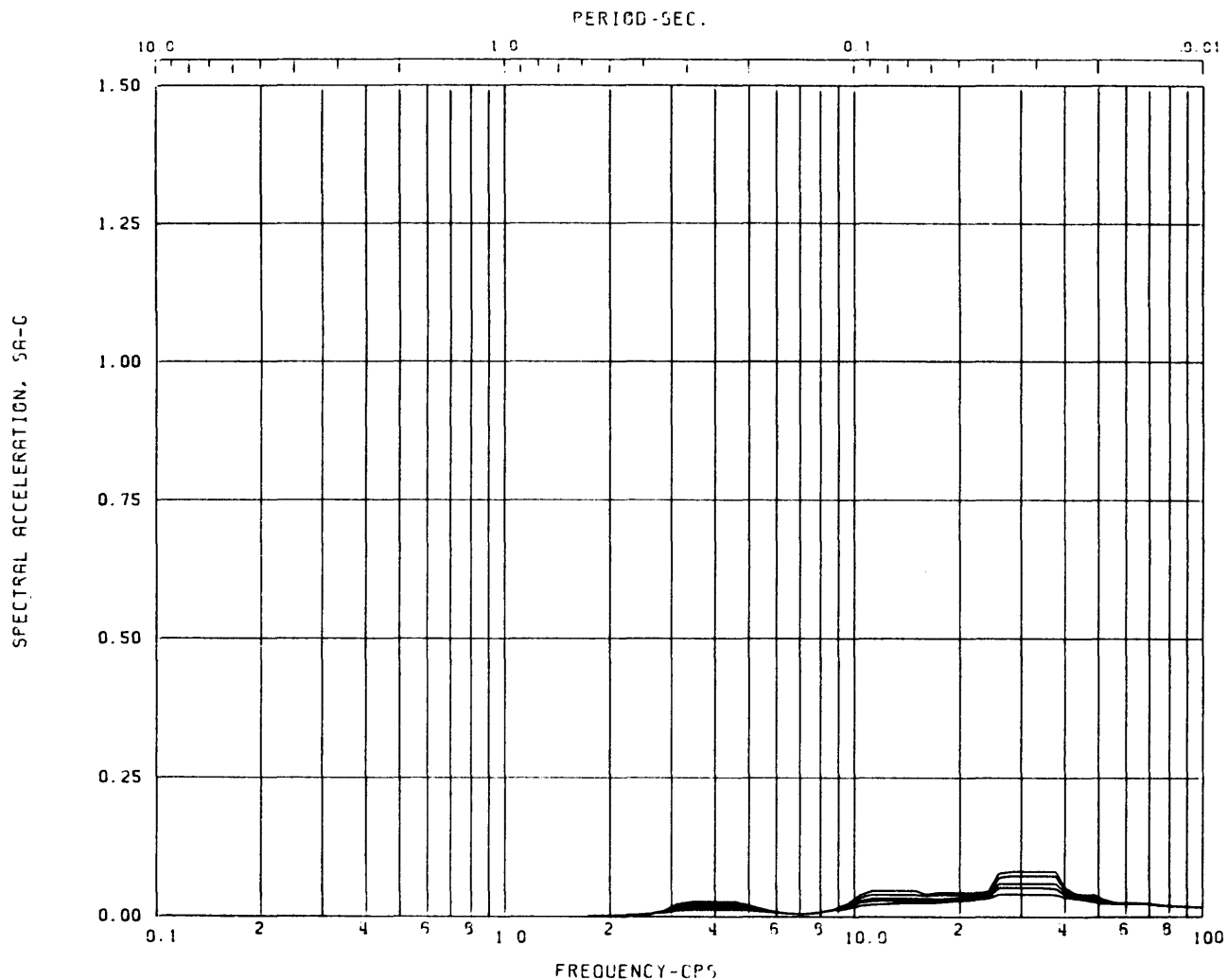
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 6 Direction: E-W HORIZ Elev: 269'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-186



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

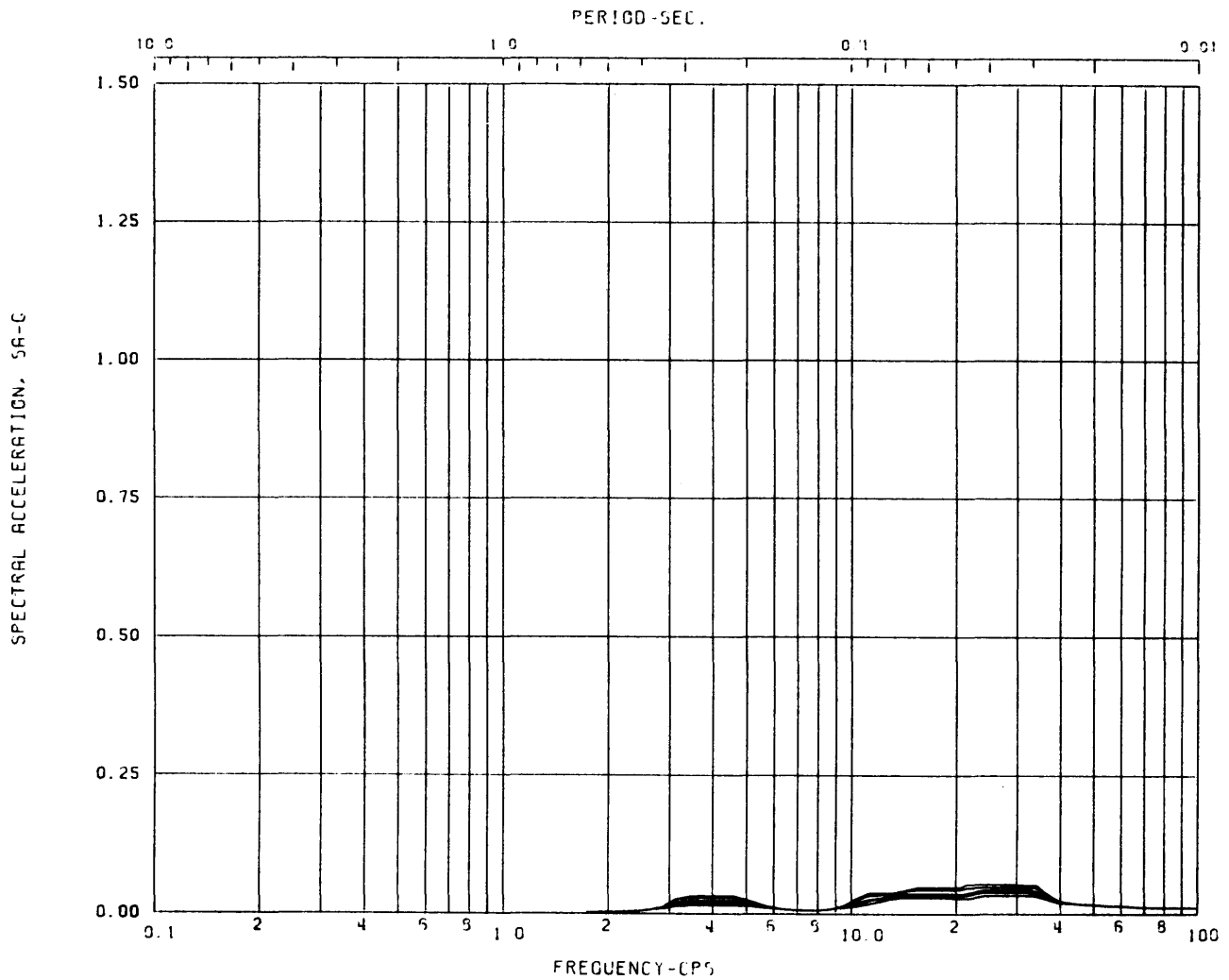
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 7 Direction: E-W HORIZ Elev: 283'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-187**



Acceleration Spectra for REACTOR ENCL. , CONTROL STRUCTURE

Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDFNE - 15%)

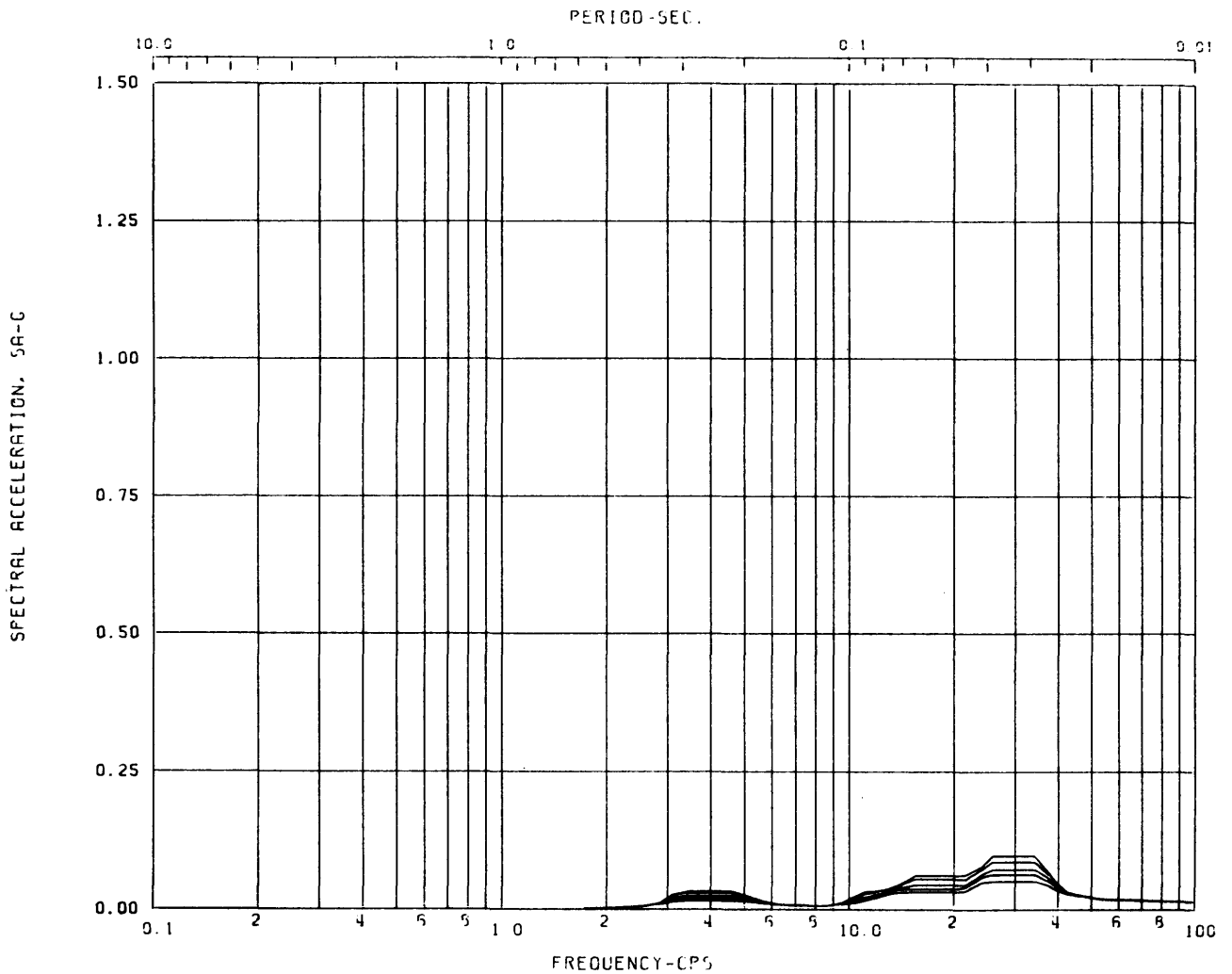
Node: 8 Direction: E-W HORIZ Elev: 304'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
SRV ASYMMETRIC**

FIGURE 3A-188



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

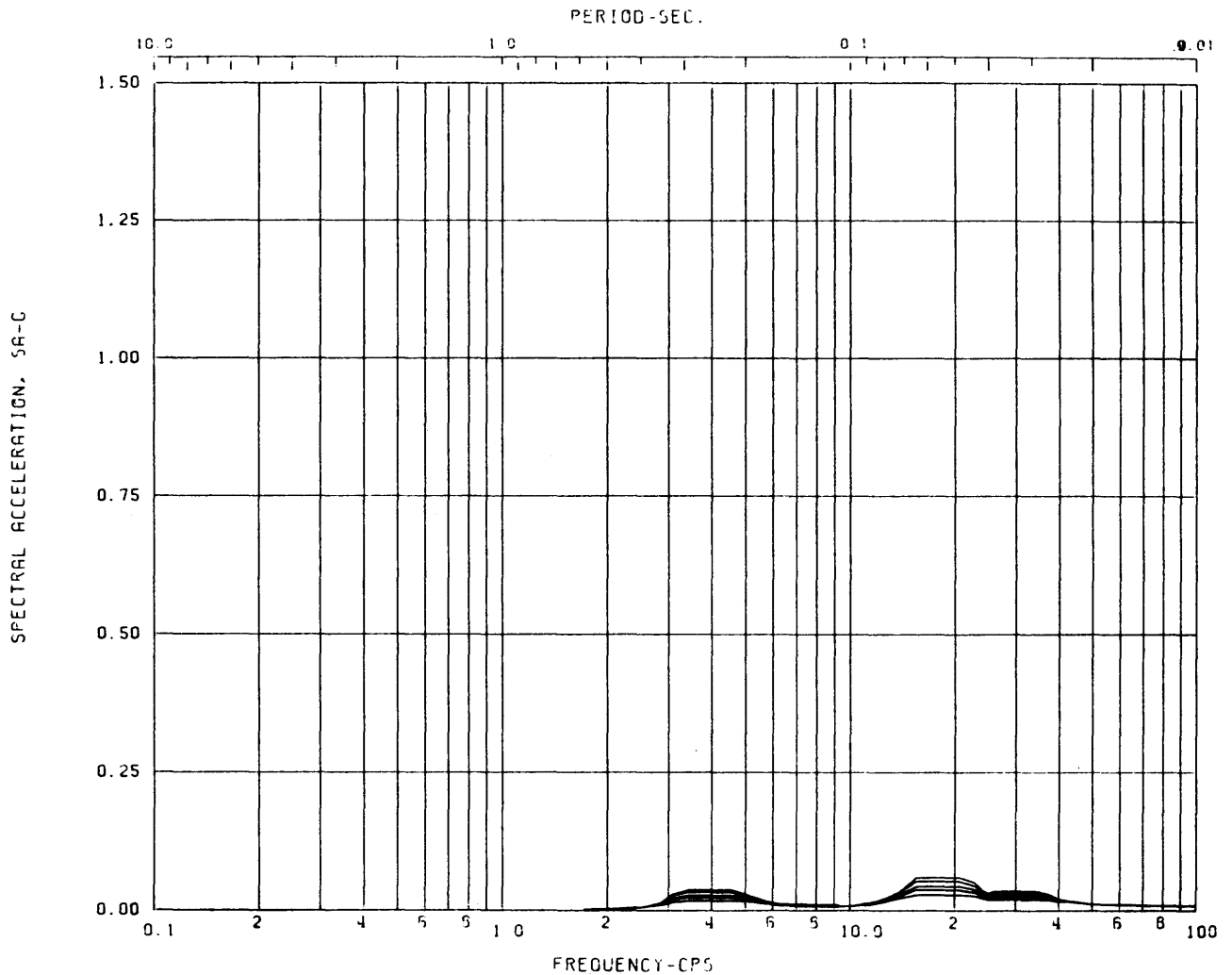
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 9 Direction: E-W HORIZ Elev: 313'-0

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-189**



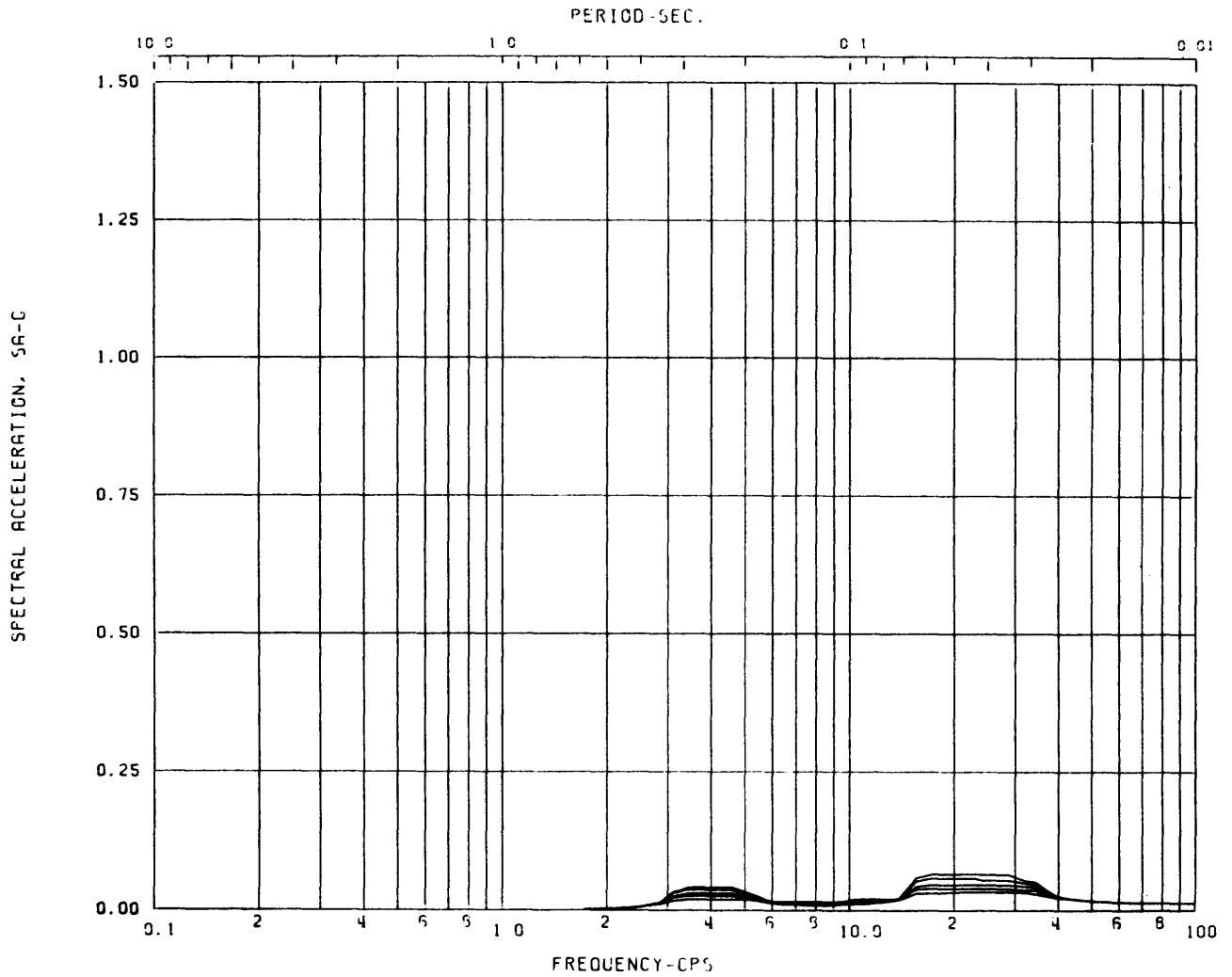
Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 10 Direction: E-W HORIZ Elev: 332'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT
 DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, E-W HORIZONTAL,
 SRV ASYMMETRIC
 FIGURE 3A-190



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

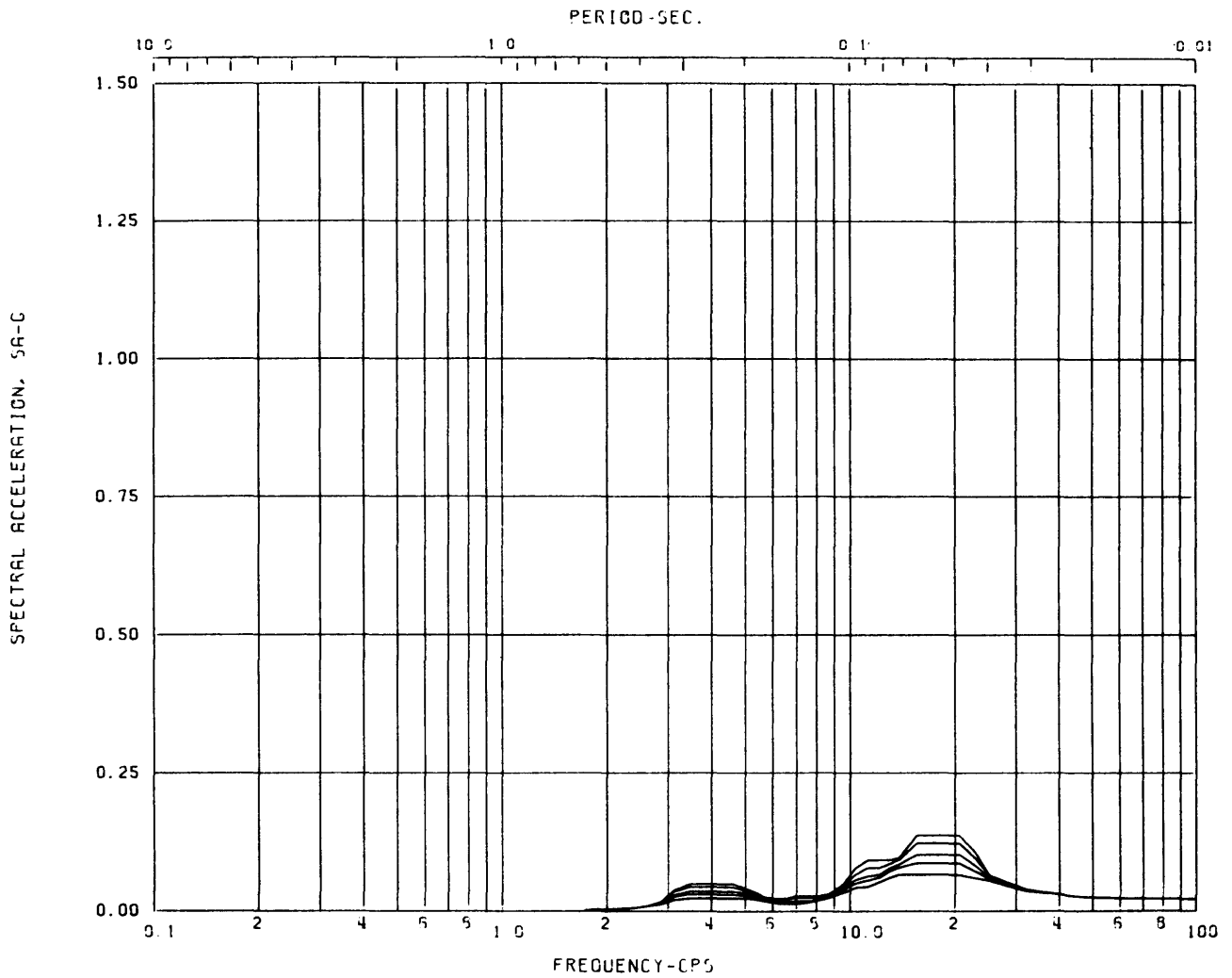
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 11 Direction: E-W HORIZ Elev: 352'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
SRV ASYMMETRIC
FIGURE 3A-191



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

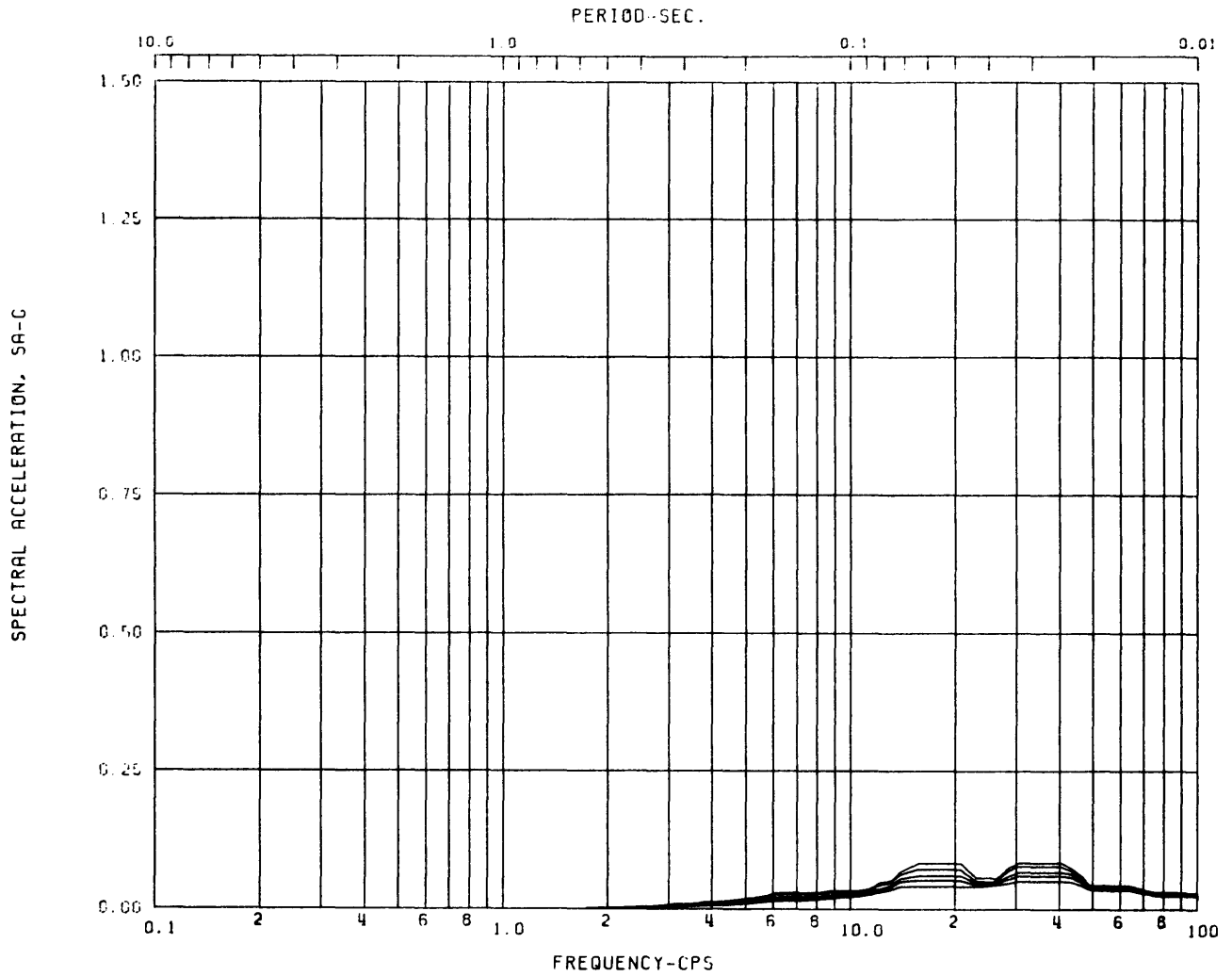
Load Case: KWU SRV ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 12 Direction: E-W HORIZ Elev: 410'-0

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, E-W HORIZONTAL,
 SRV ASYMMETRIC
 FIGURE 3A-192



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

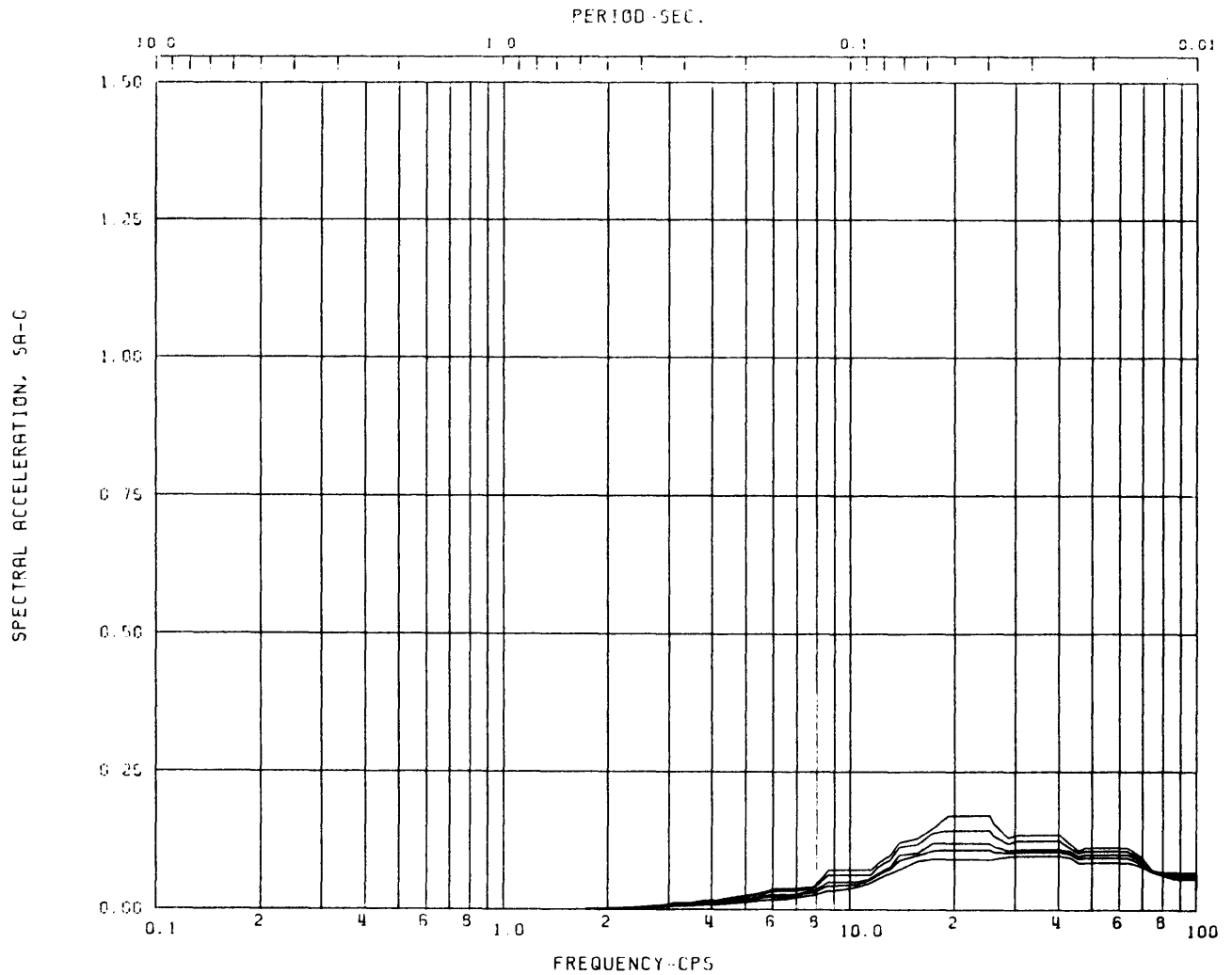
Node: 159 Direction: VERTICAL Elev: 177'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL,SRV AXISYMMETRIC

FIGURE 3A-193

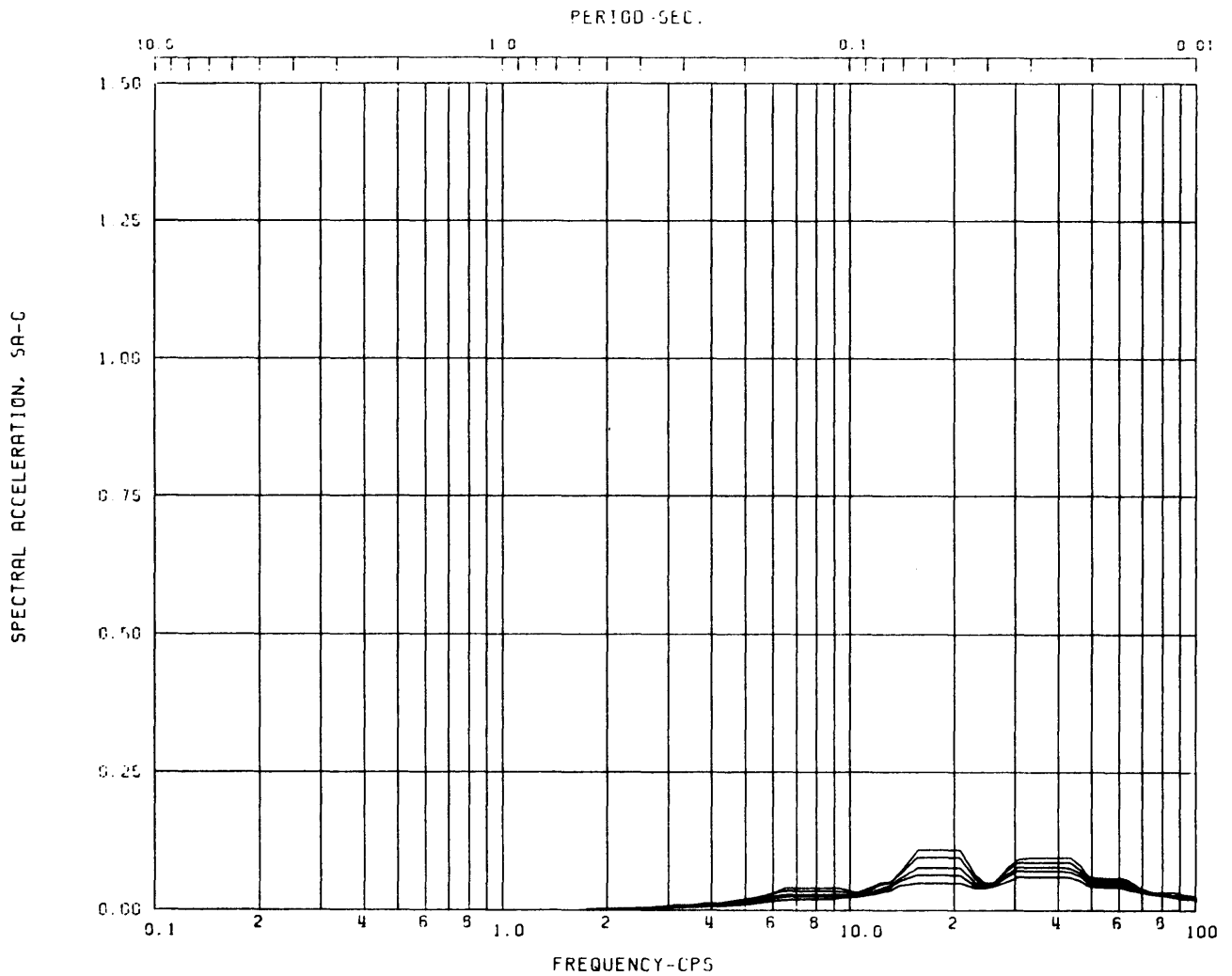


Acceleration Spectra for REACTOR ENCL.
 Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)
 Node: 154 Direction: VERTICAL Elev: 177'
 Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE
 GLOBAL RESPONSE SPECTRA
 VERTICAL,SRV AXISYMMETRIC**

FIGURE 3A-194



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

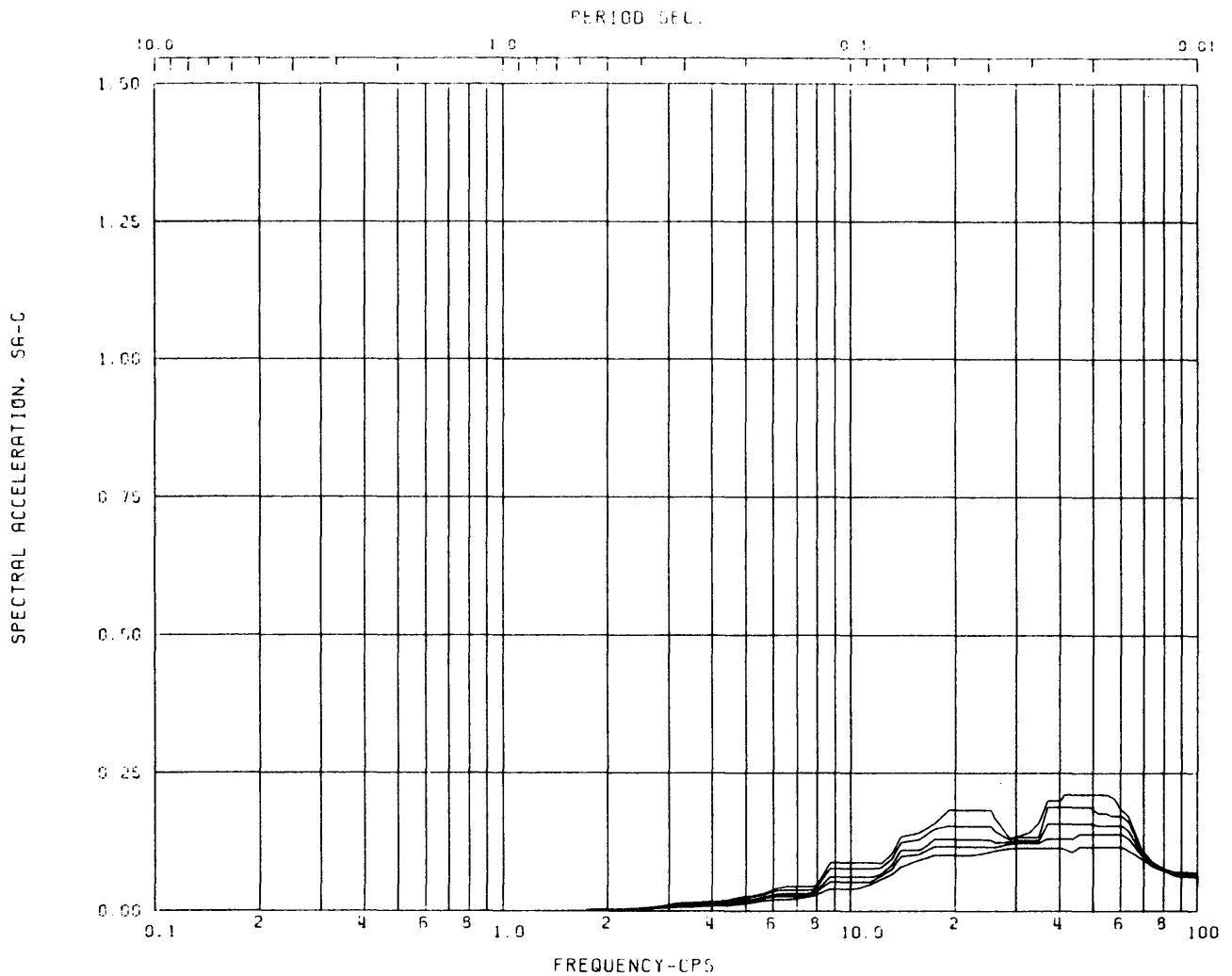
Node: 128 Direction: VERTICAL Elev: 201'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL,SRV AXISYMMETRIC**

FIGURE 3A-195



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

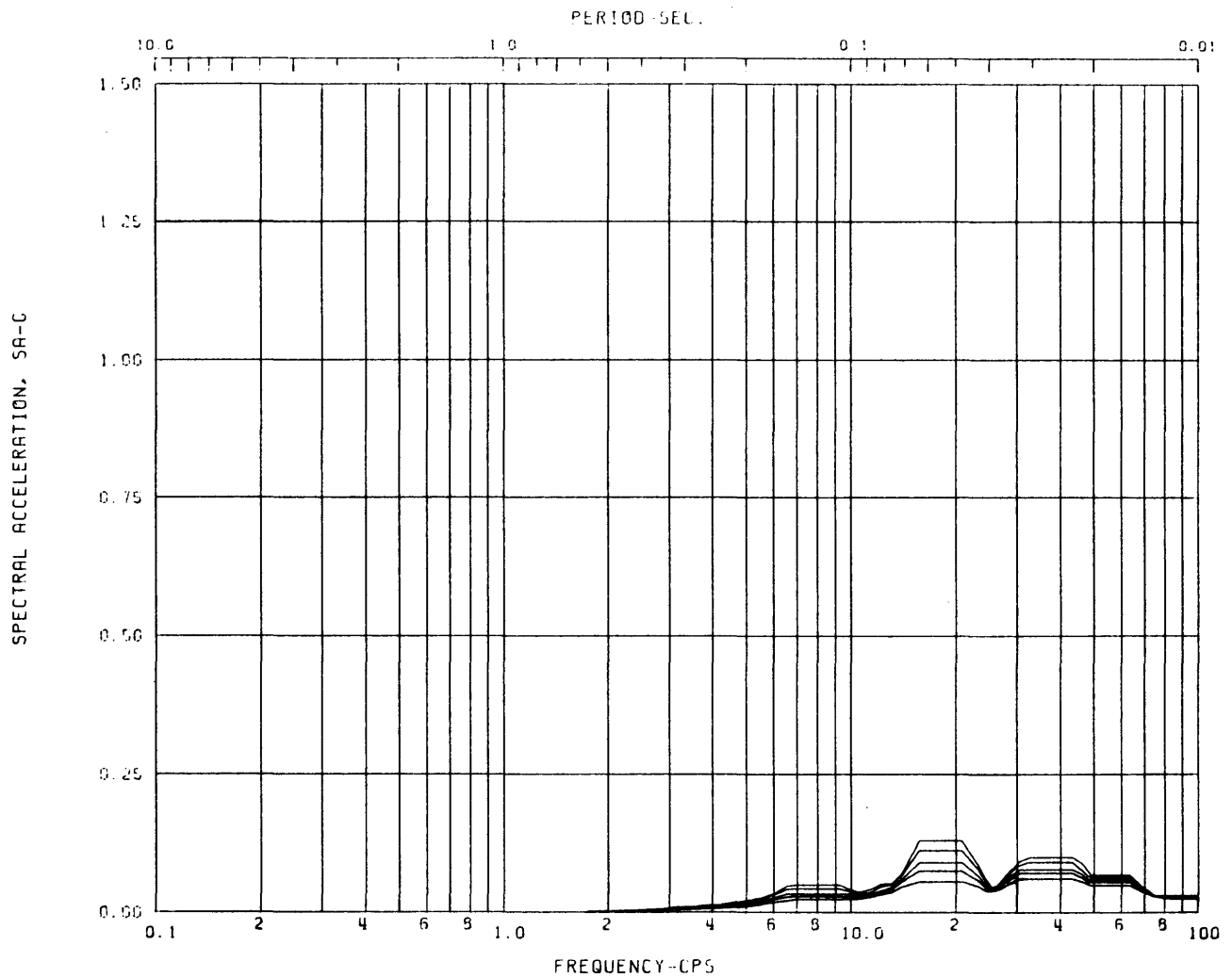
Node: 130 Direction: VERTICAL Elev: 201'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL,SRV AXISYMMETRIC**

FIGURE 3A-196



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

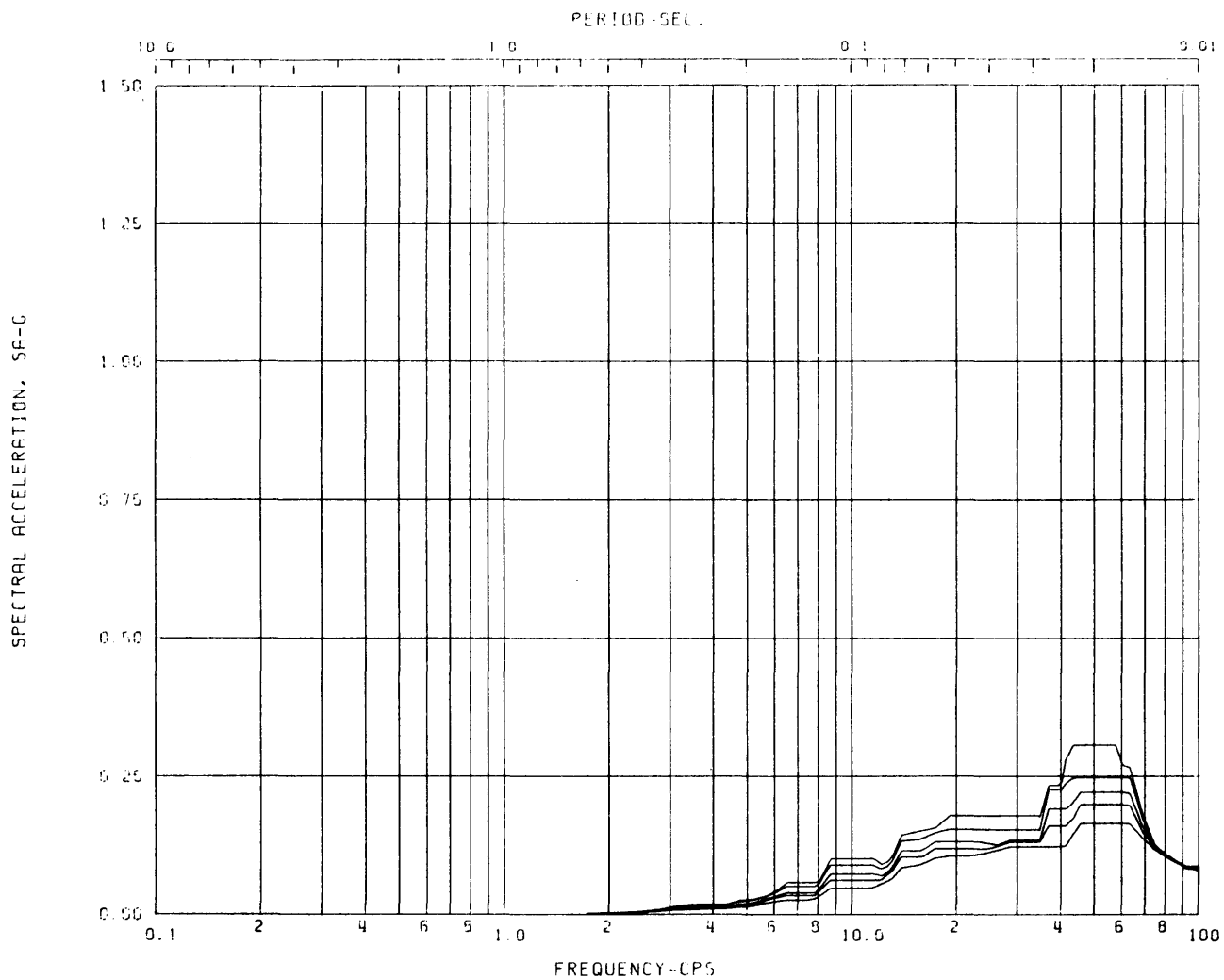
Node: 106 Direction: VERTICAL Elev: 217'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL,SRV AXISYMMETRIC

FIGURE 3A-197



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

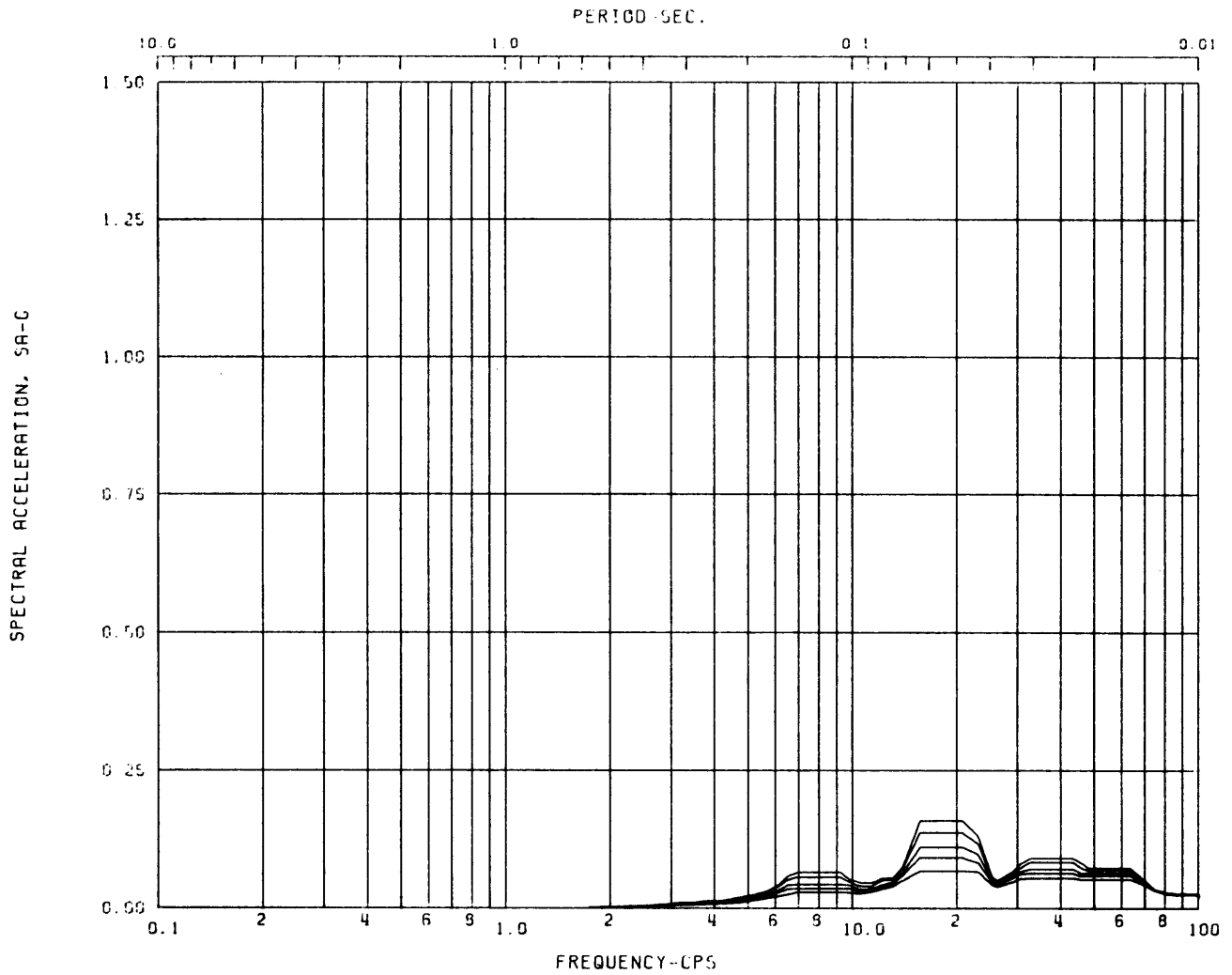
Node: 108 Direction: VERTICAL Ejev: 217'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL,SRV AXISYMMETRIC

FIGURE 3A-198



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

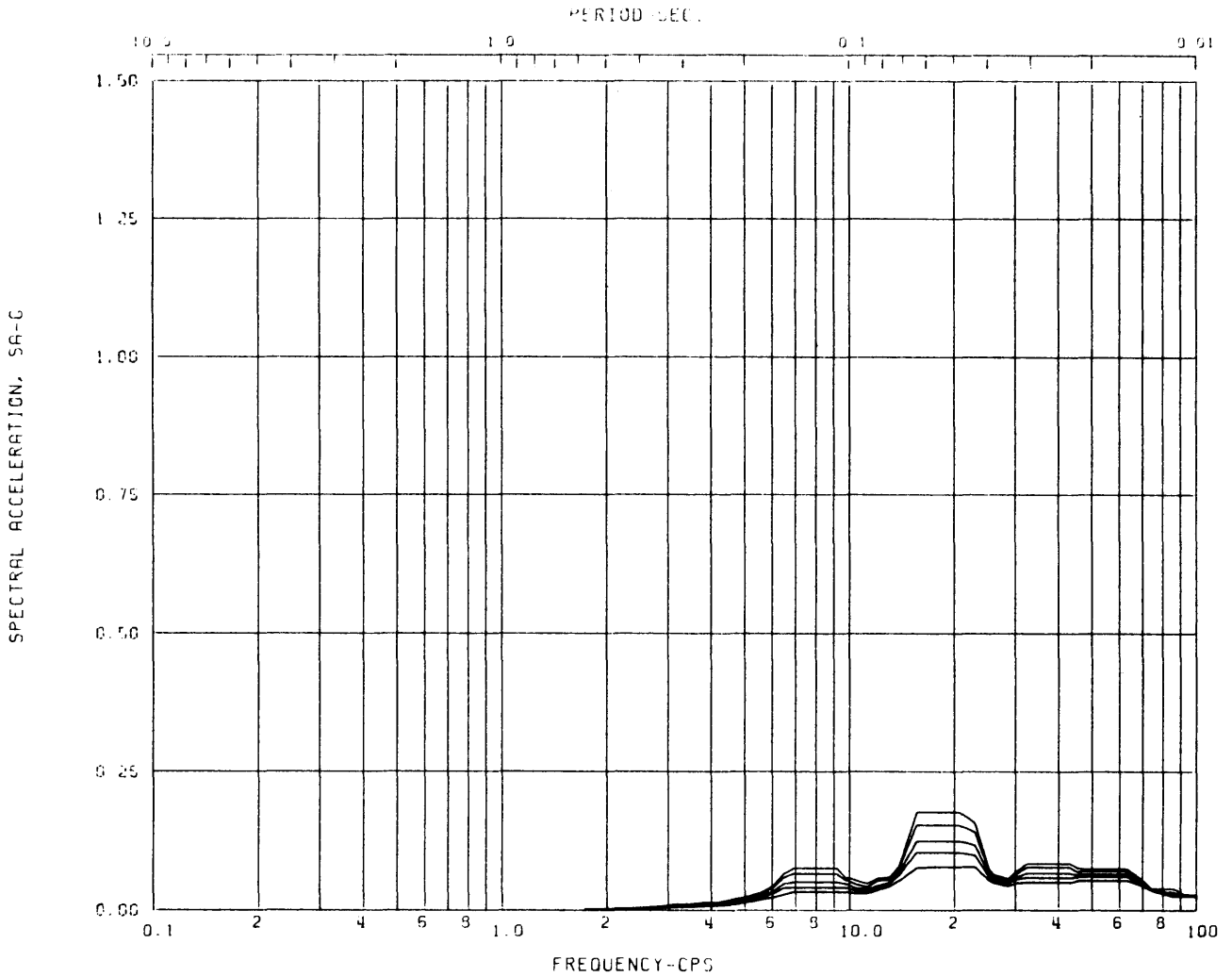
Node: 104 Direction: VERTICAL Elev: 239'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL,SRV AXISYMMETRIC**

FIGURE 3A-199



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

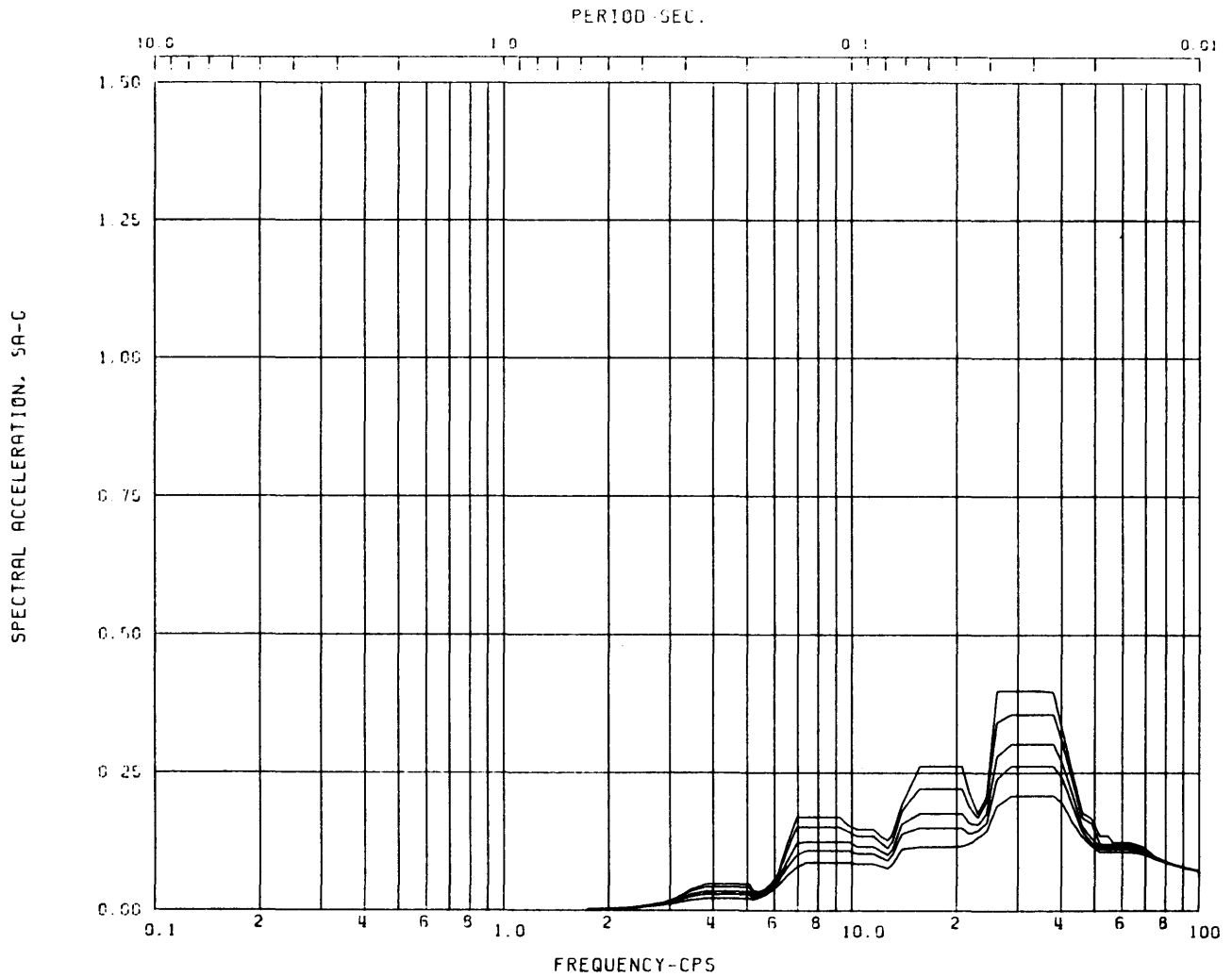
Node: 79 Direction: VERTICAL Elev: 253'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL,SRV AXISYMMETRIC**

FIGURE 3A-200



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

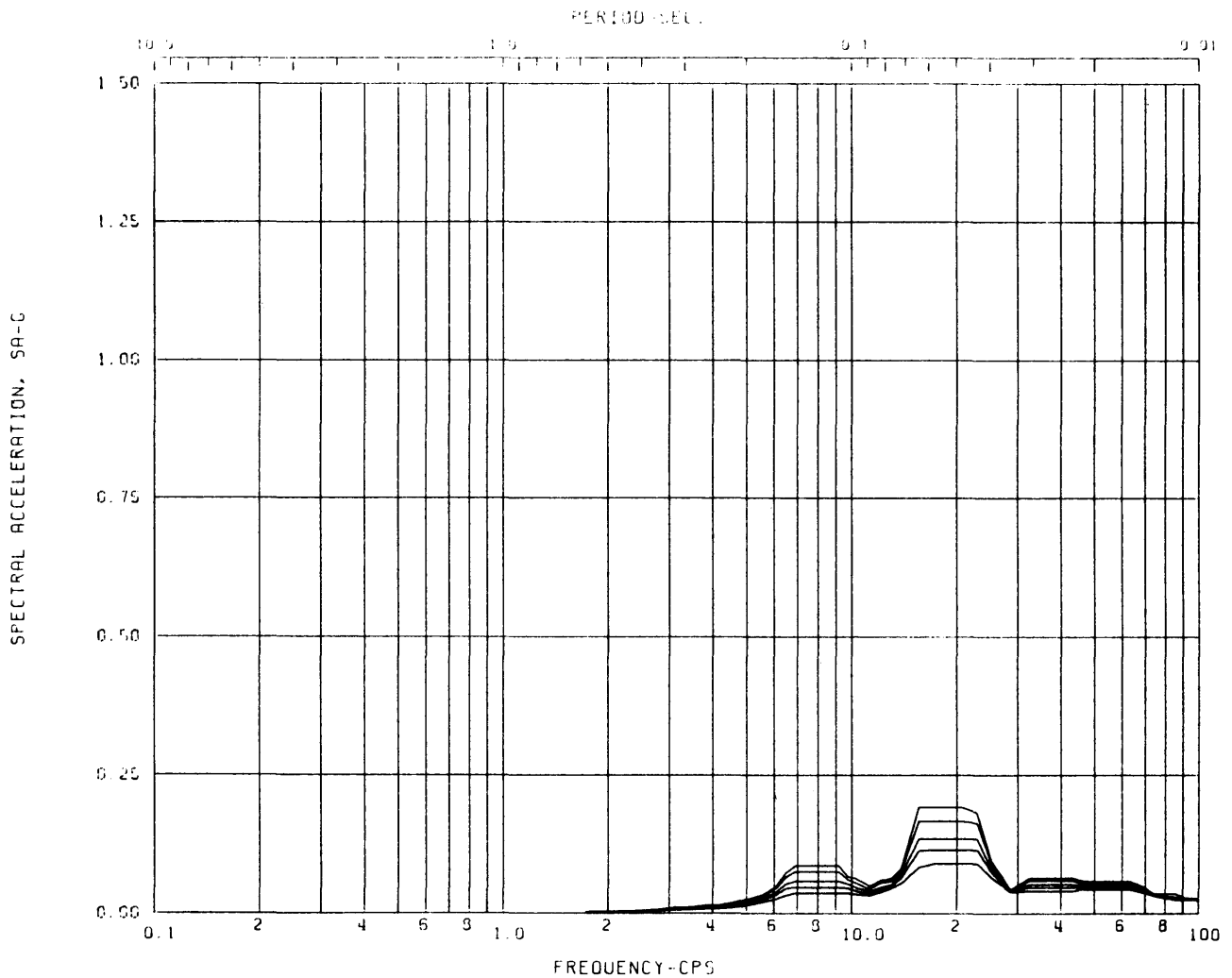
Node: 81 Direction: VERTICAL Ejev: 253'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL,SRV AXISYMMETRIC

FIGURE 3A-201



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

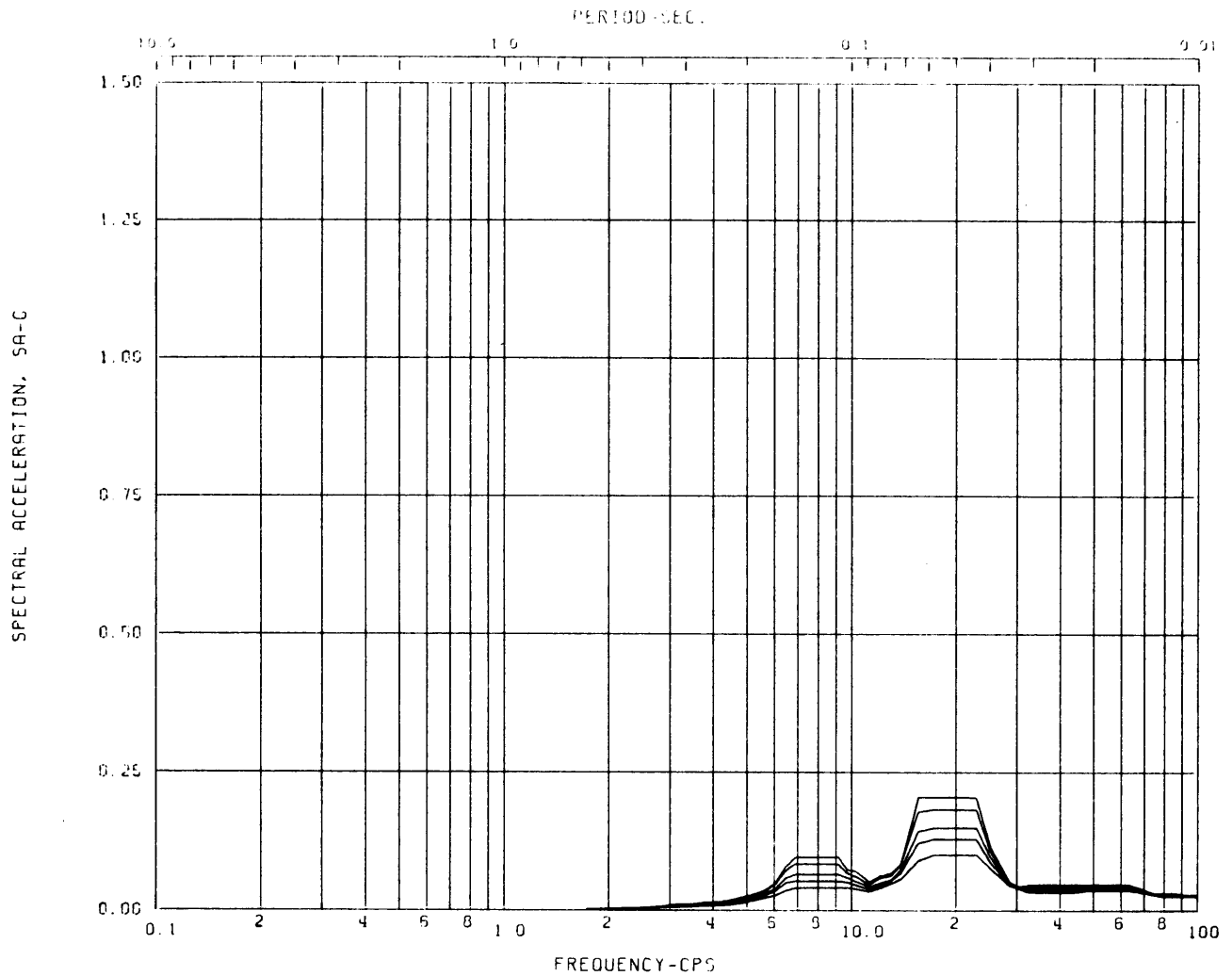
Node: 77 Direction: VERTICAL Elev: 269'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL,SRV AXISYMMETRIC

FIGURE 3A-202



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

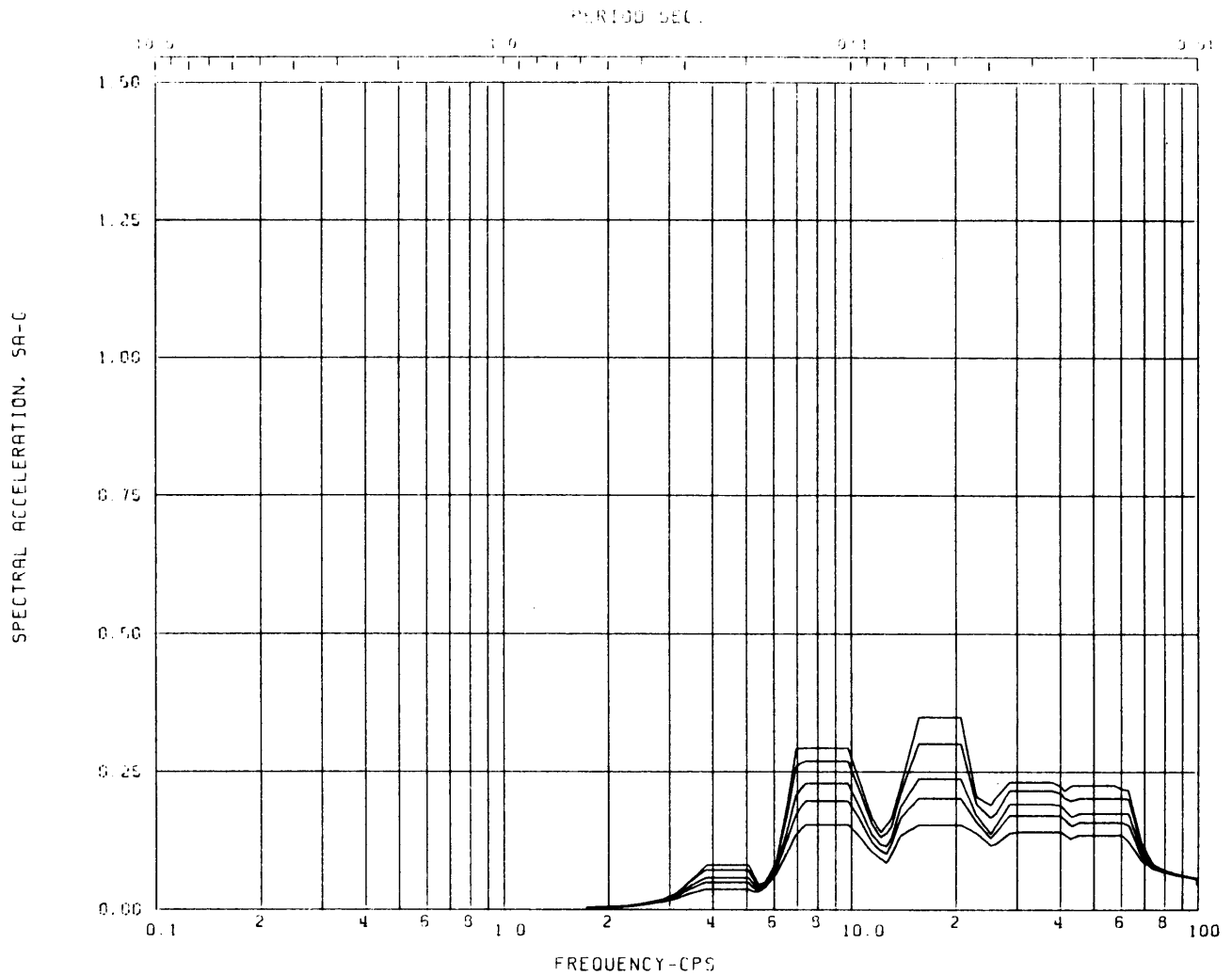
Node: 58 Direction: VERTICAL Elev: 283'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-203



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

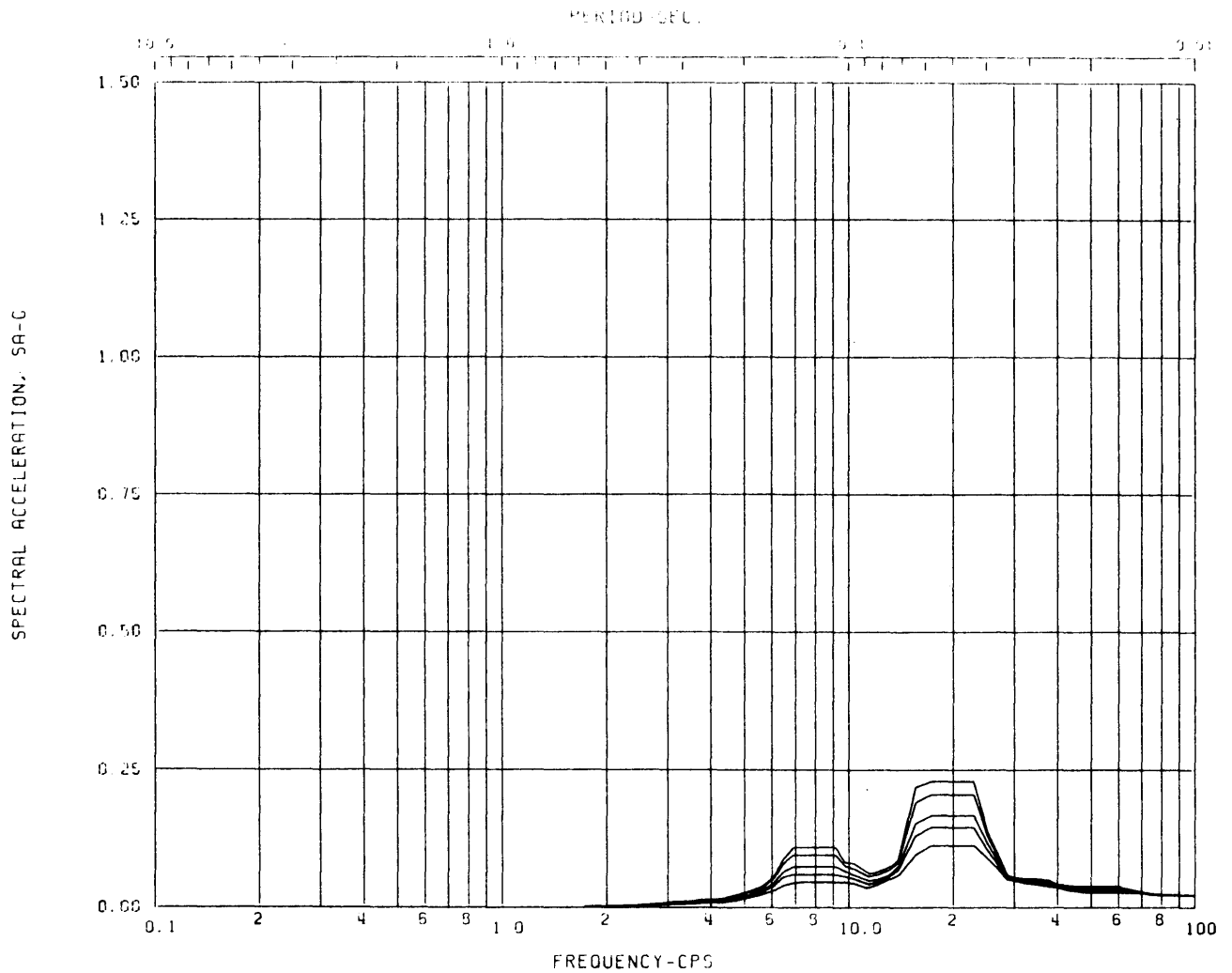
Node: 60 Direction: VERTICAL Elev: 283'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-204



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

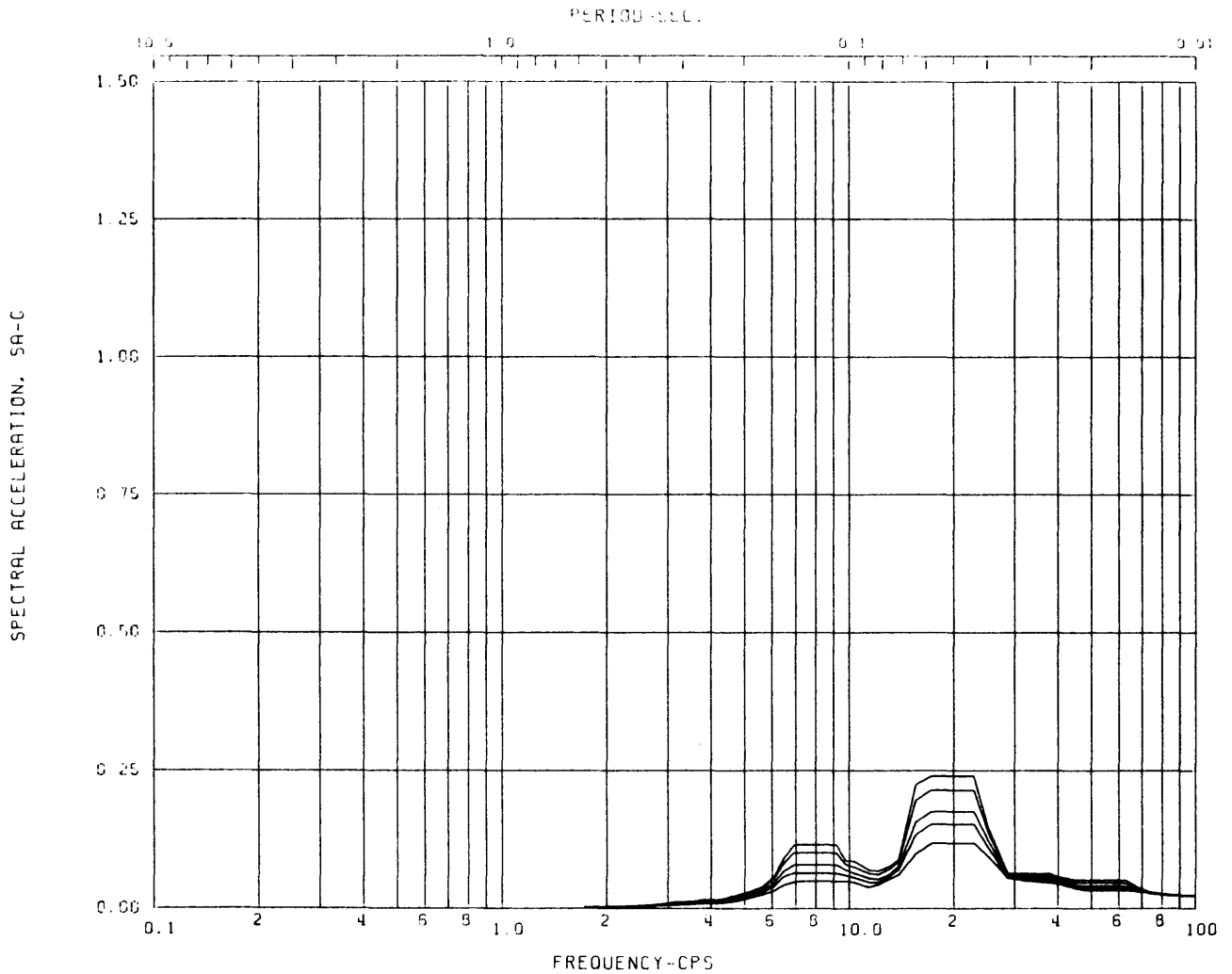
Node: 56 Direction: VERTICAL Elev: 304'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-205



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

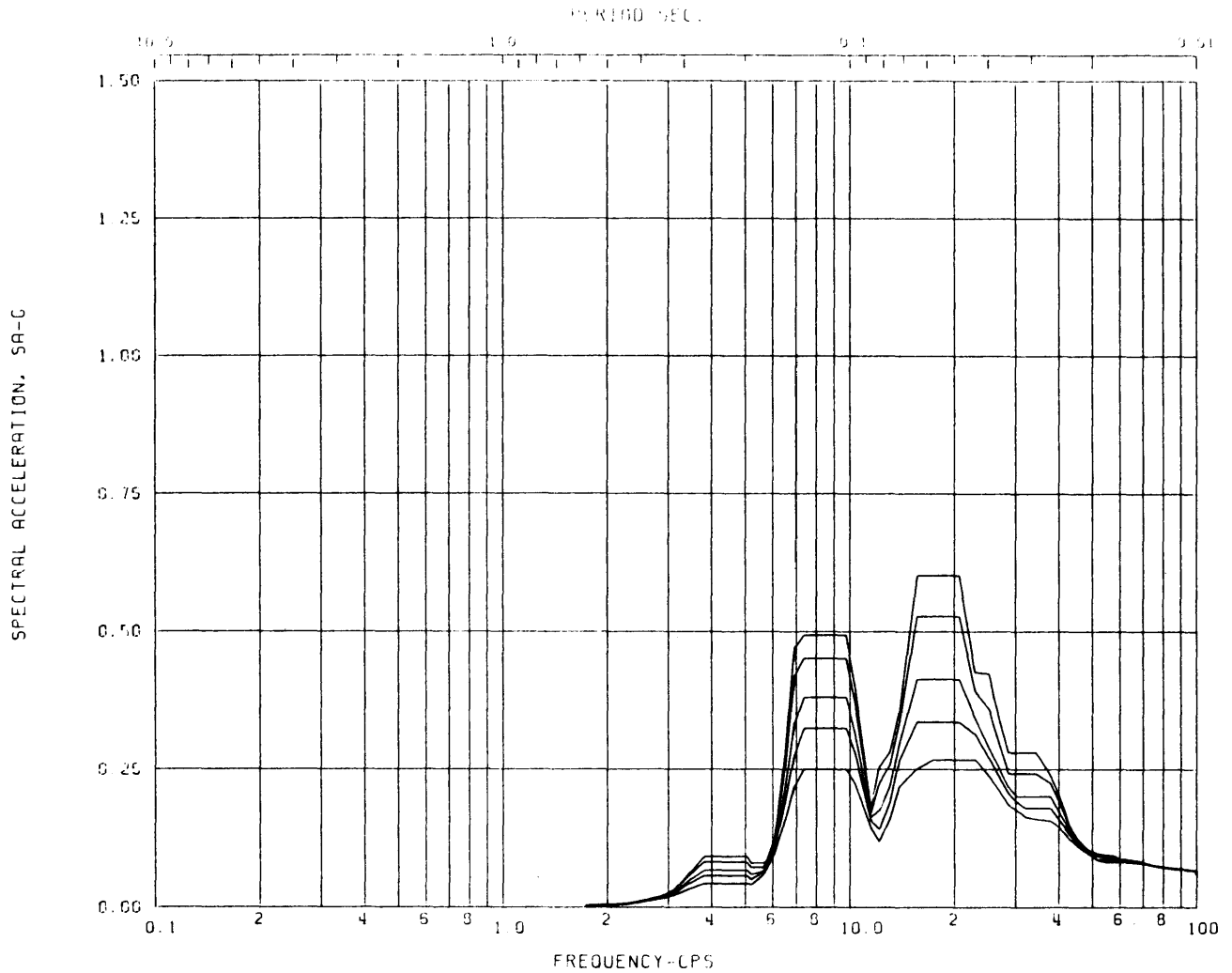
Node: 35 Direction: VERTICAL Elev: 313'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC**

FIGURE 3A-206



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

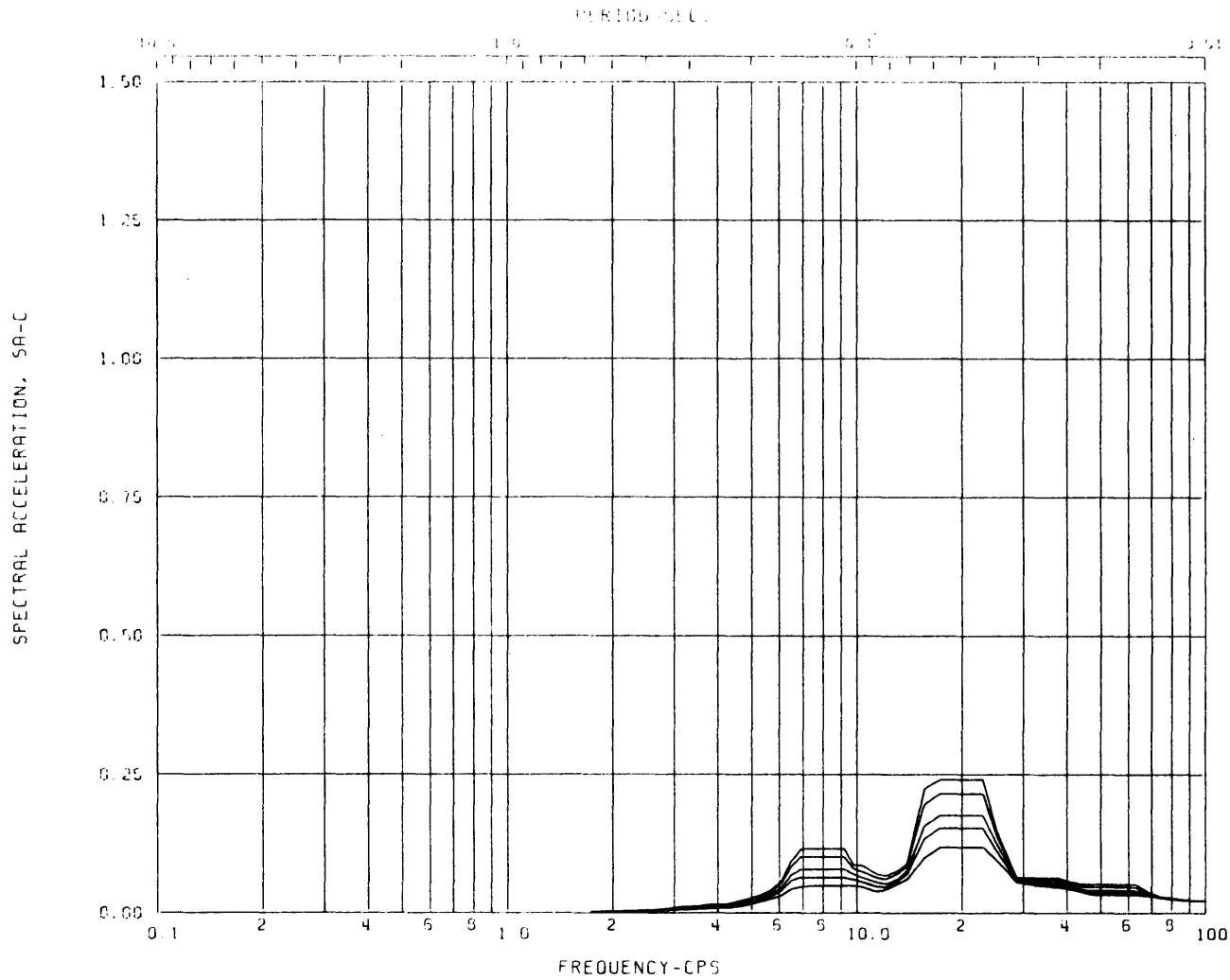
Node: 43 Direction: VERTICAL Elev: 313'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC**

FIGURE 3A-207



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

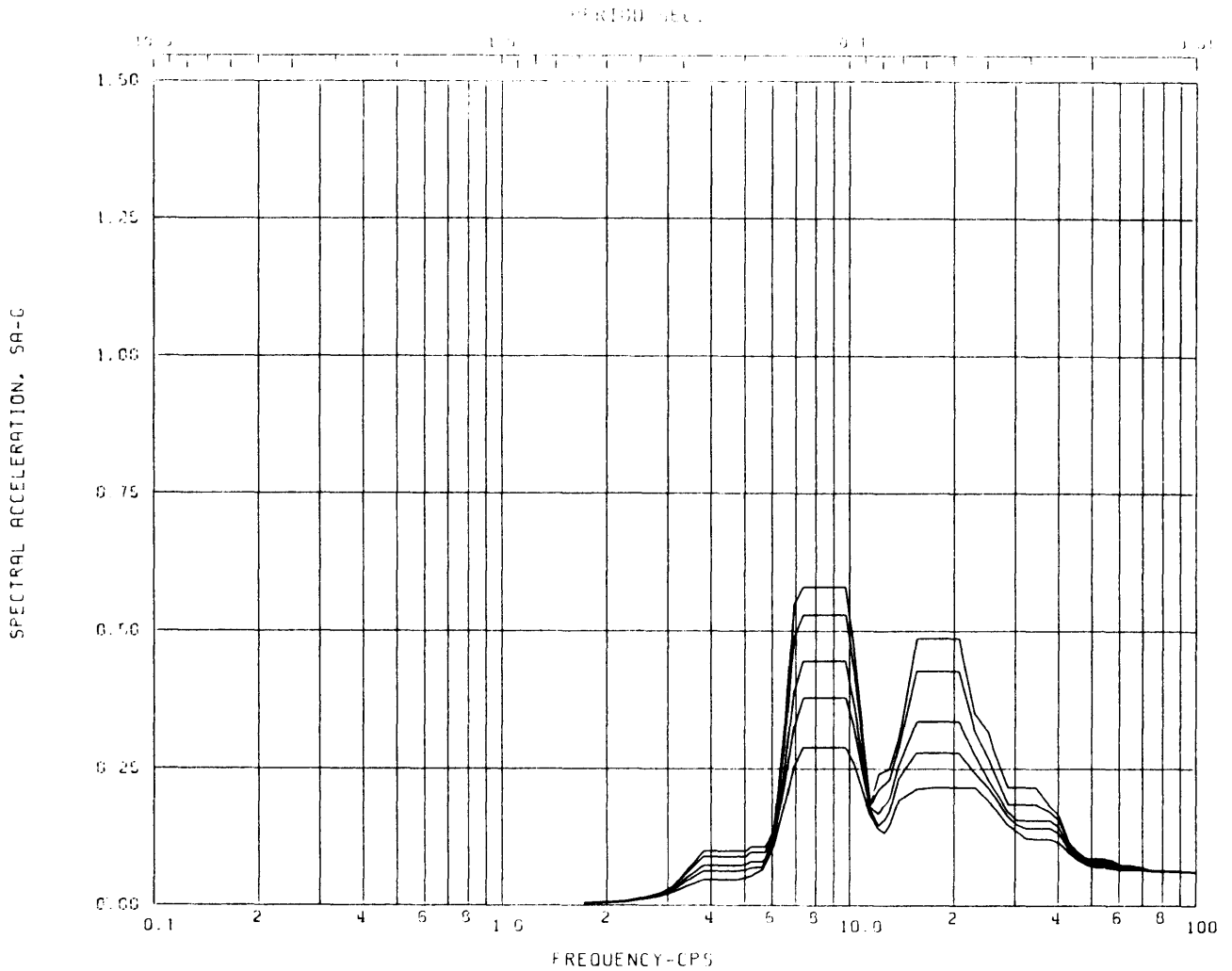
Node: 21 Direction: VERTICAL Elev: 333'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC**

FIGURE 3A-208



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

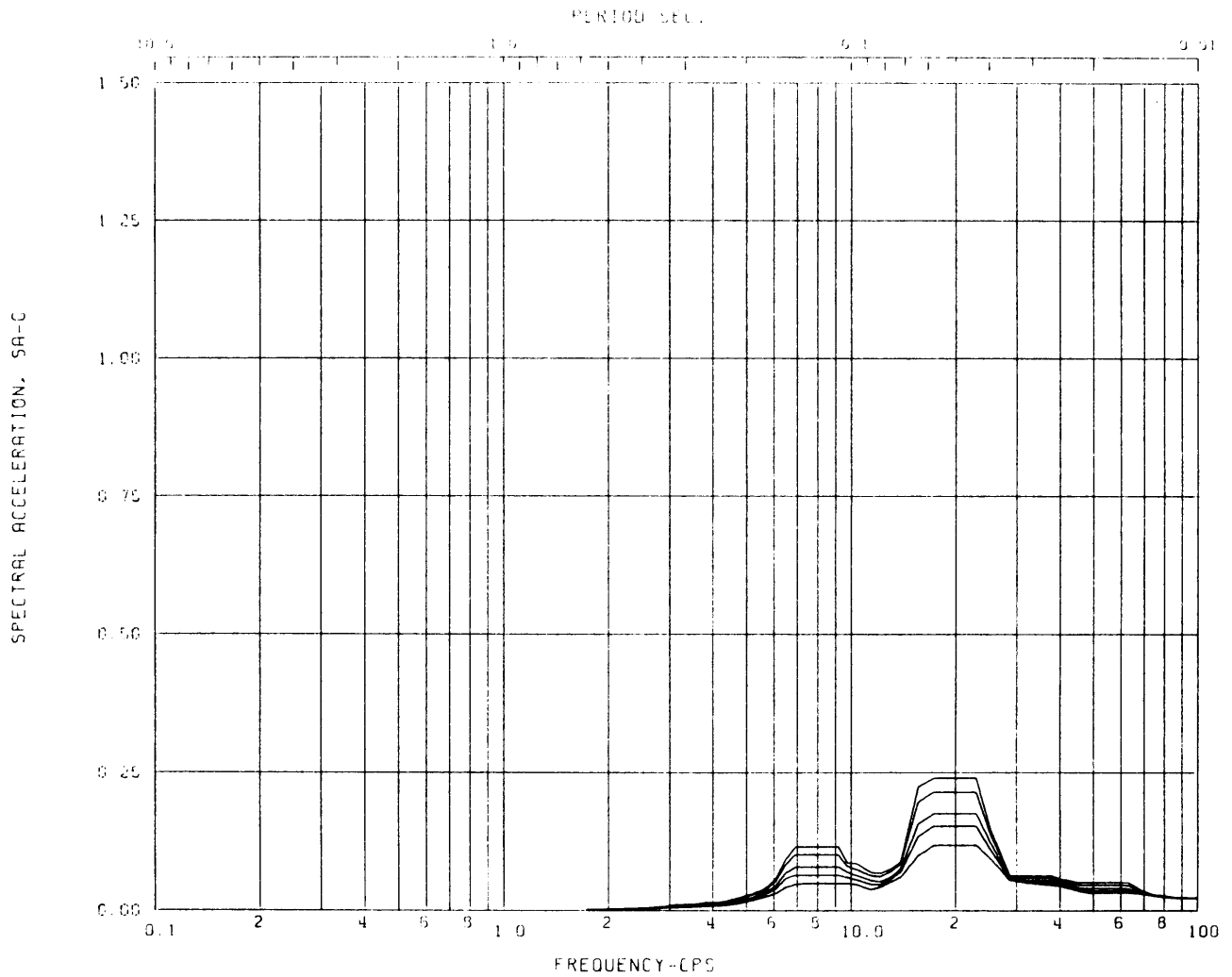
Node: 33 Direction: VERTICAL Elev: 333'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC**

FIGURE 3A-209



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

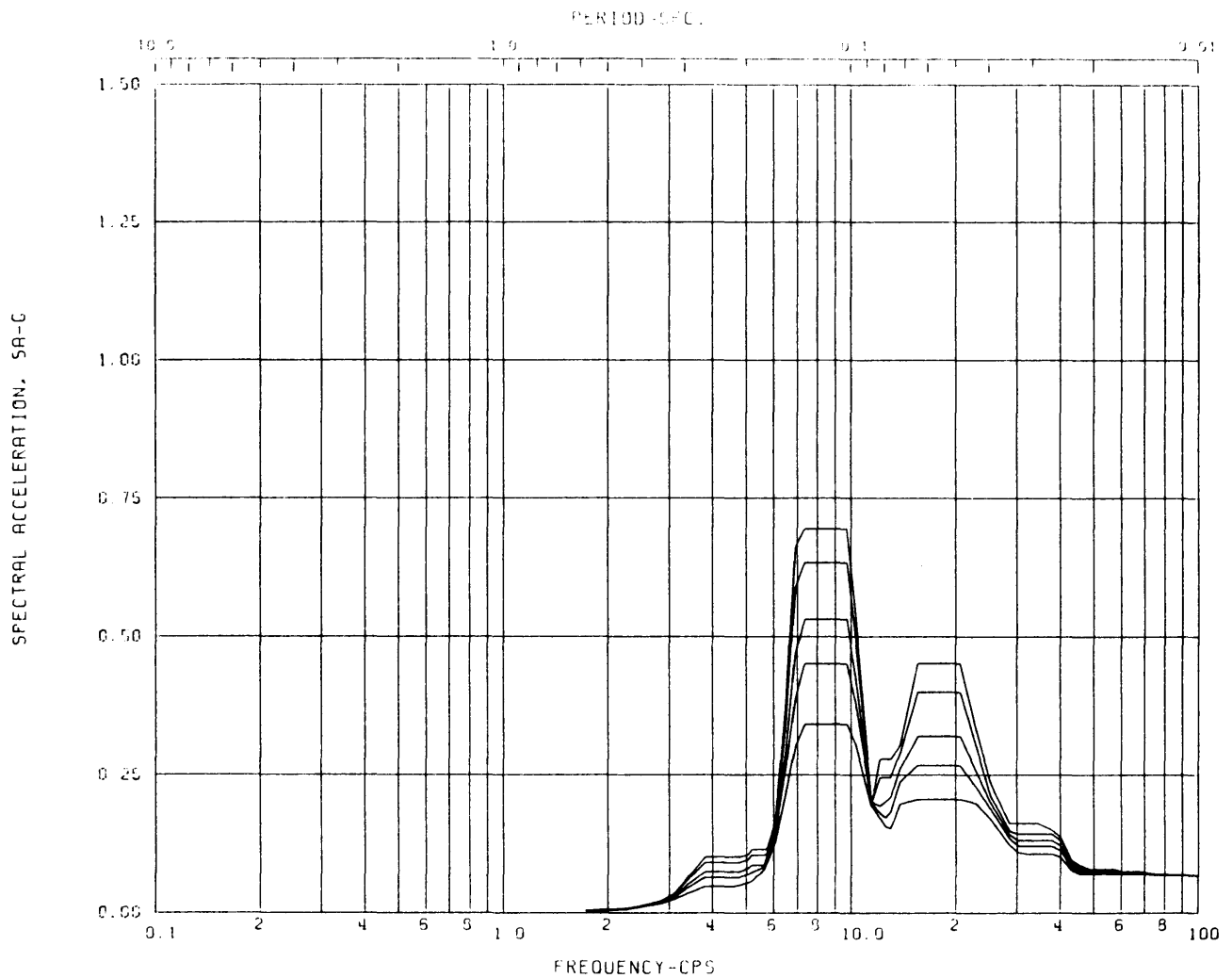
Node: 9 Direction: VERTICAL Elev: 352'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-210



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

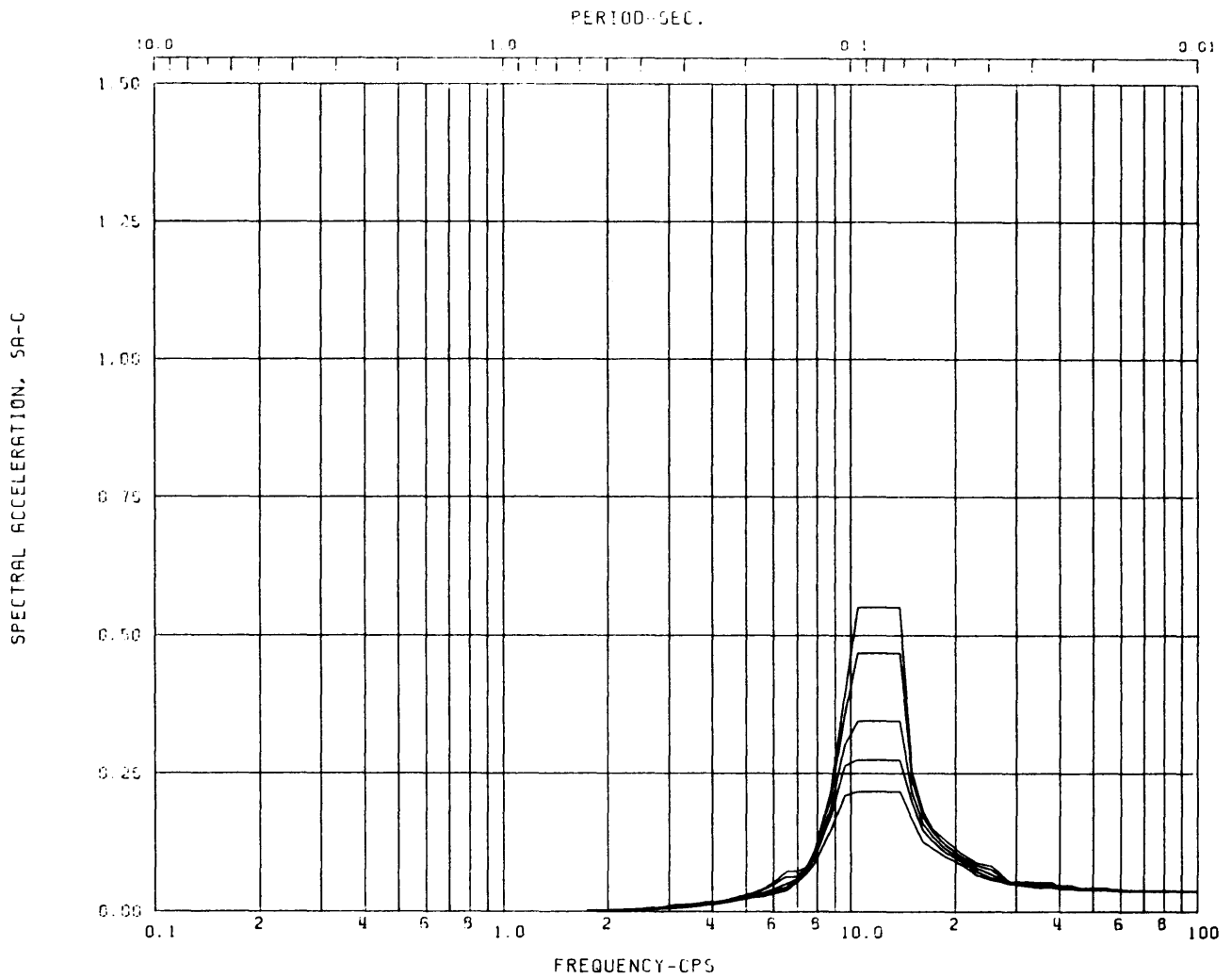
Node: 13 Direction: VERTICAL Elev: 352'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC**

FIGURE 3A-211



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

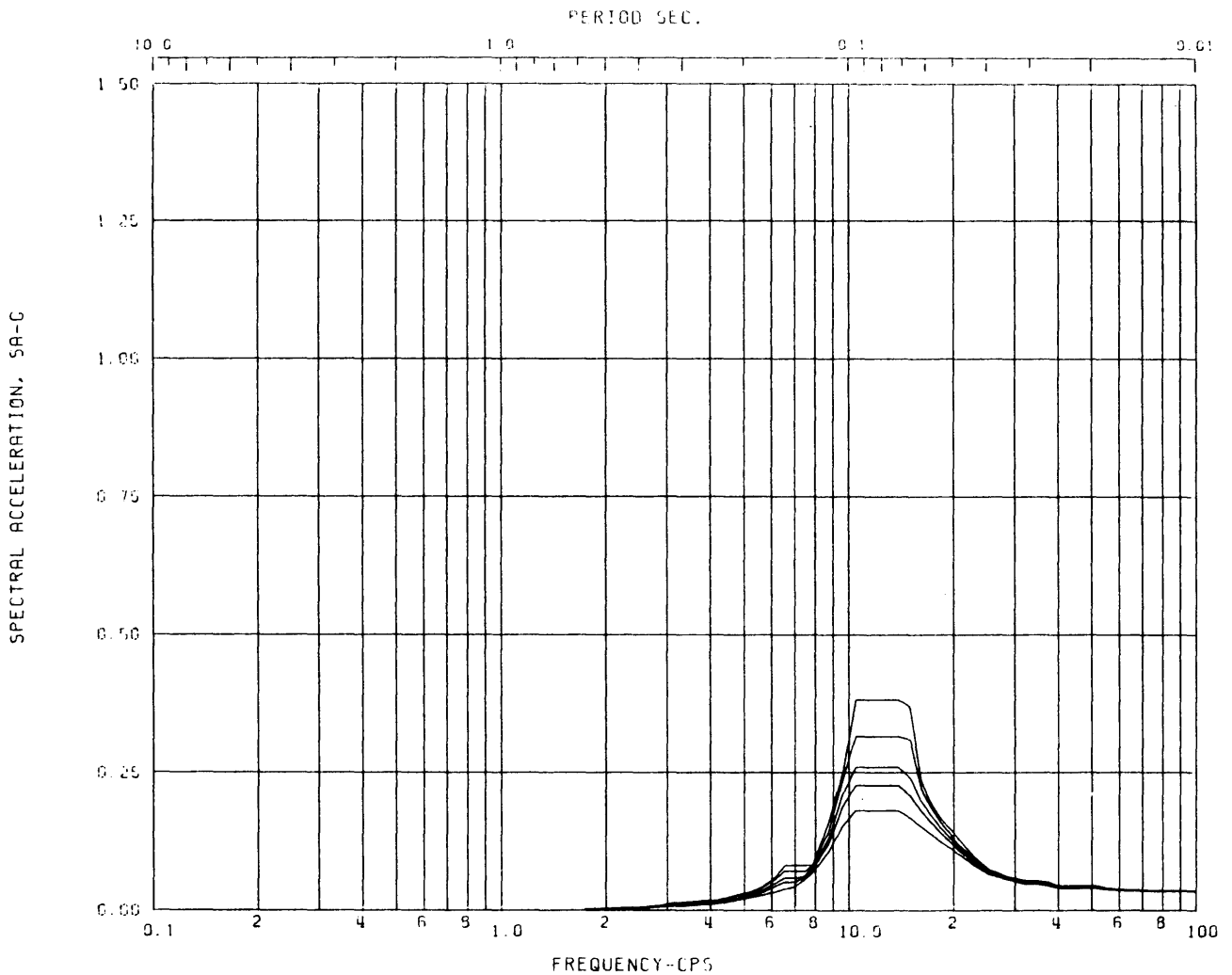
Node: 129 Direction: VERTICAL Elev: 201'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-212



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

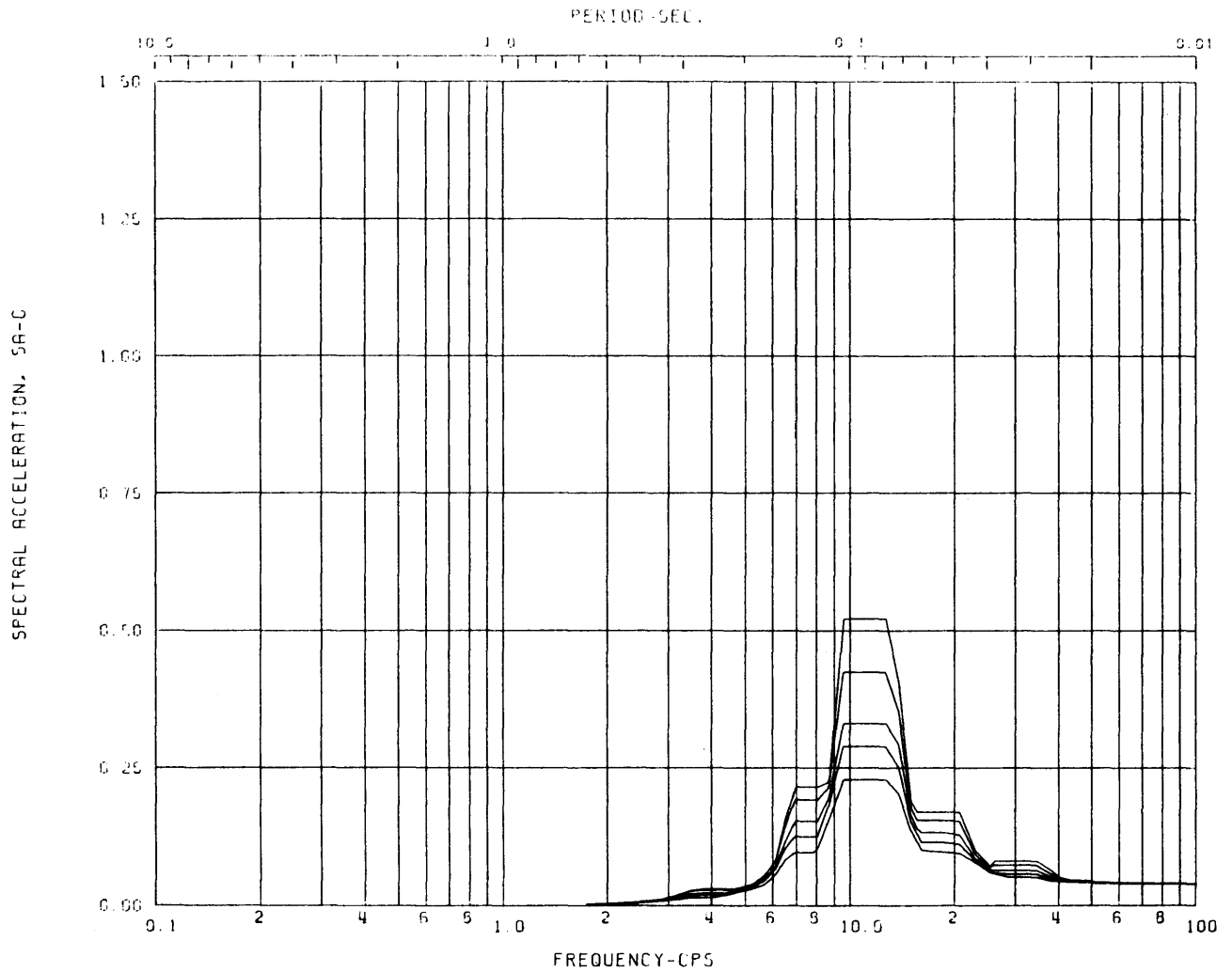
Node: 107 Direction: VERTICAL Elev: 217'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE
 GLOBAL RESPONSE SPECTRA
 VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-213



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

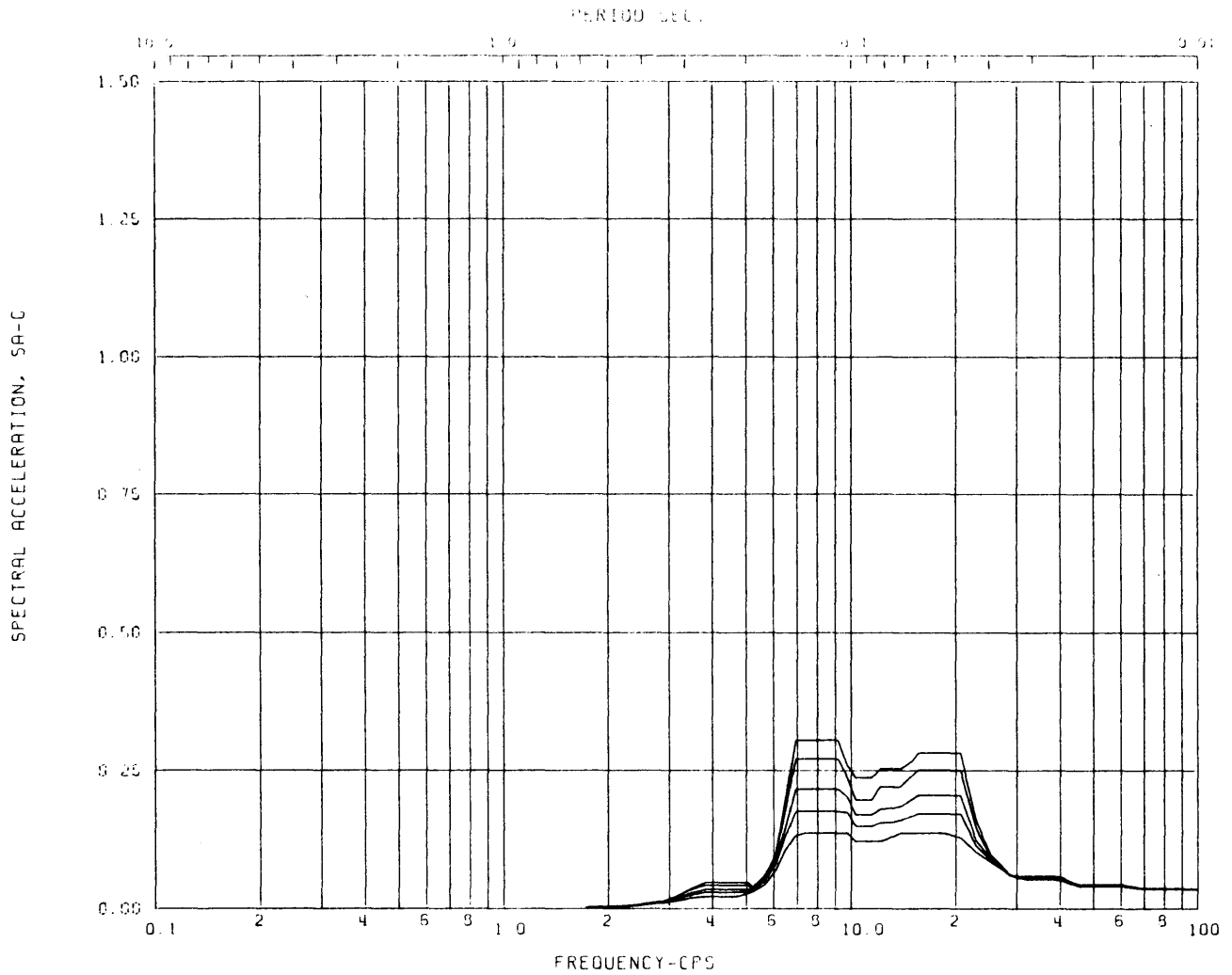
Node: 80 Direction: VERTICAL Elev: 253'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC**

FIGURE 3A-214

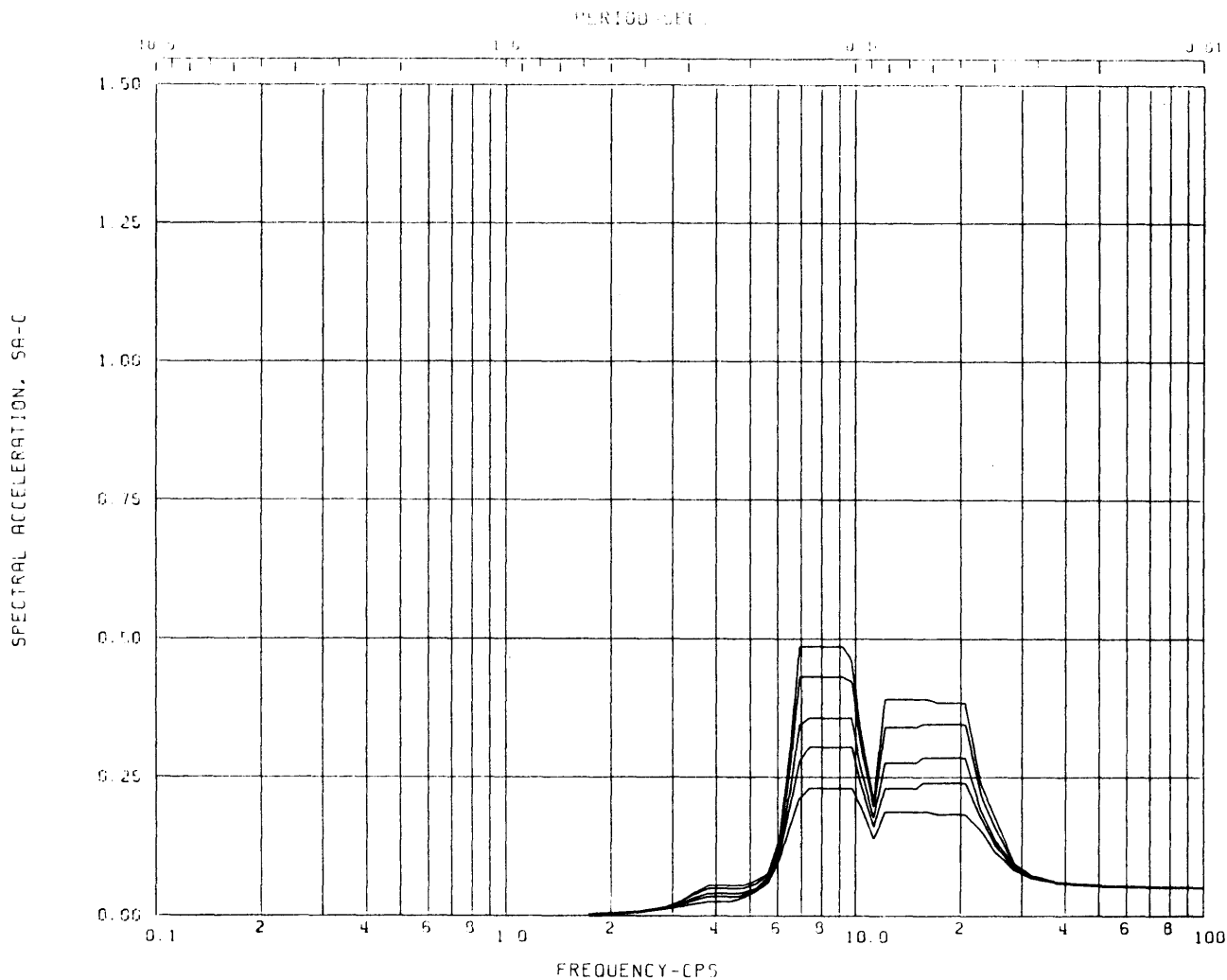


Acceleration Spectra for REACTOR ENCL.
 Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)
 Node: 59 Direction: VERTICAL Elev: 283'
 Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE
 GLOBAL RESPONSE SPECTRA
 VERTICAL, SRV AXISYMMETRIC**

FIGURE 3A-215

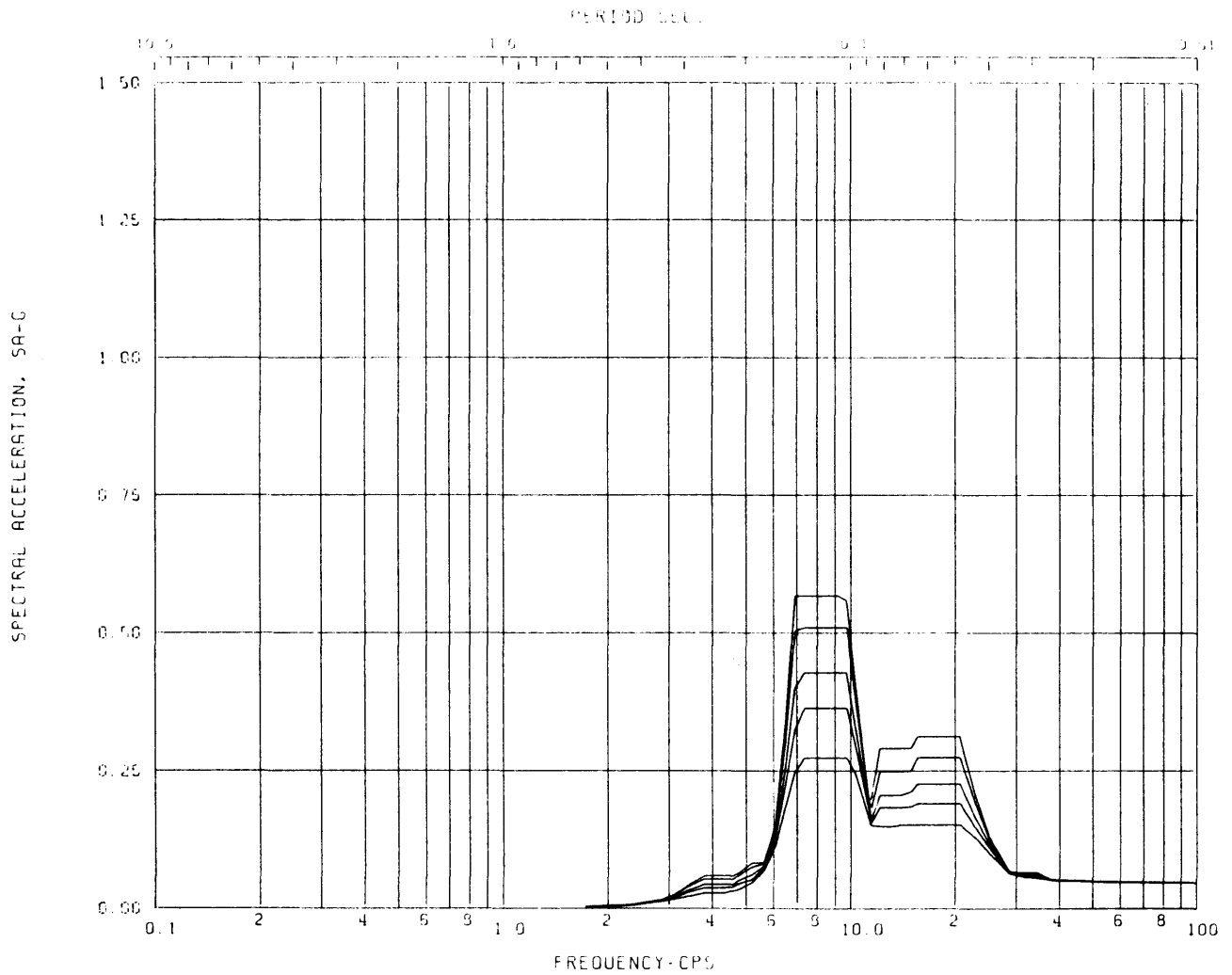


Acceleration Spectra for REACTOR ENCL.
 Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)
 Node: 54 Direction: VERTICAL Elev: 313'
 Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE
 GLOBAL RESPONSE SPECTRA
 VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-216



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

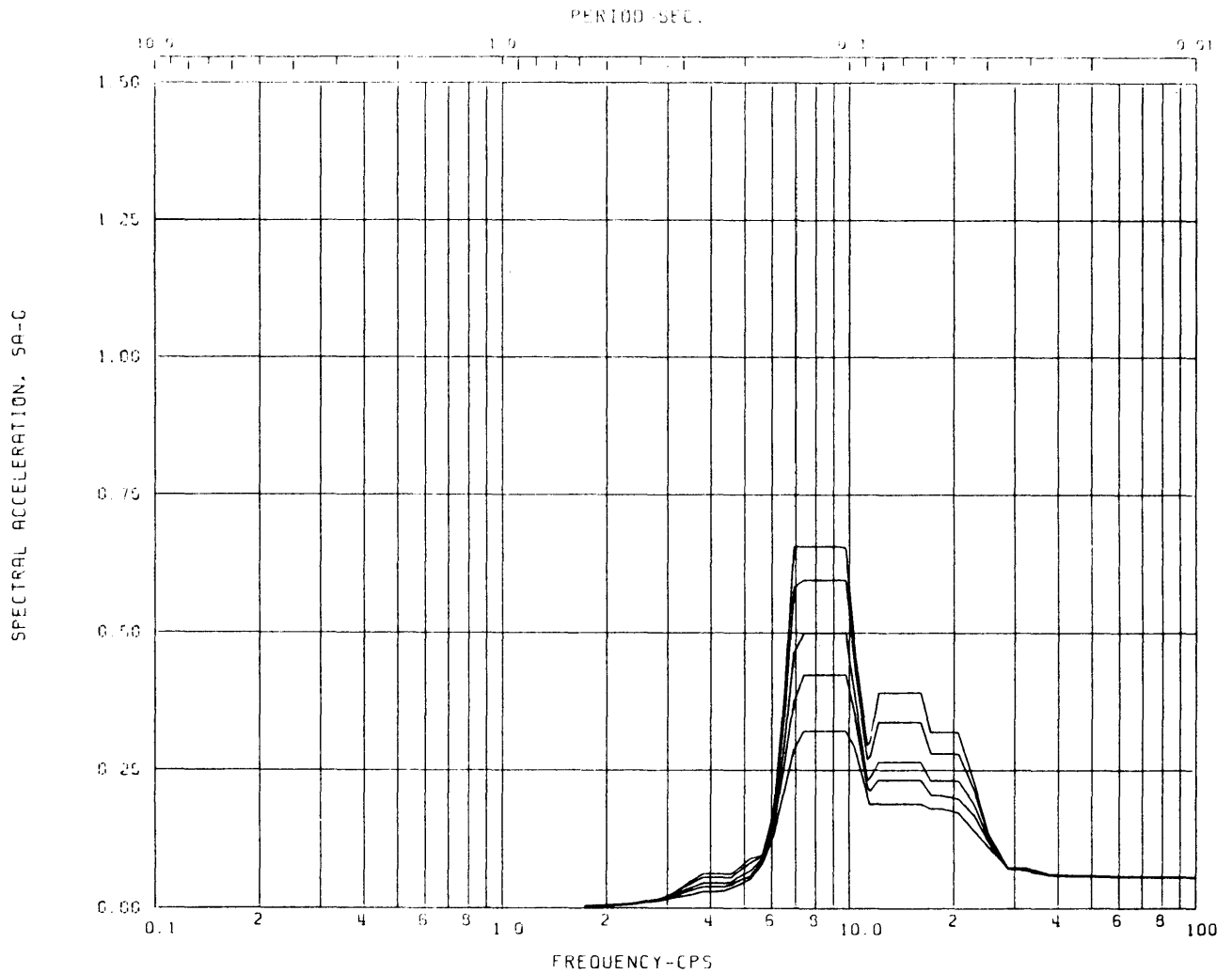
Node: 32 Direction: VERTICAL Elev: 333'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-217



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

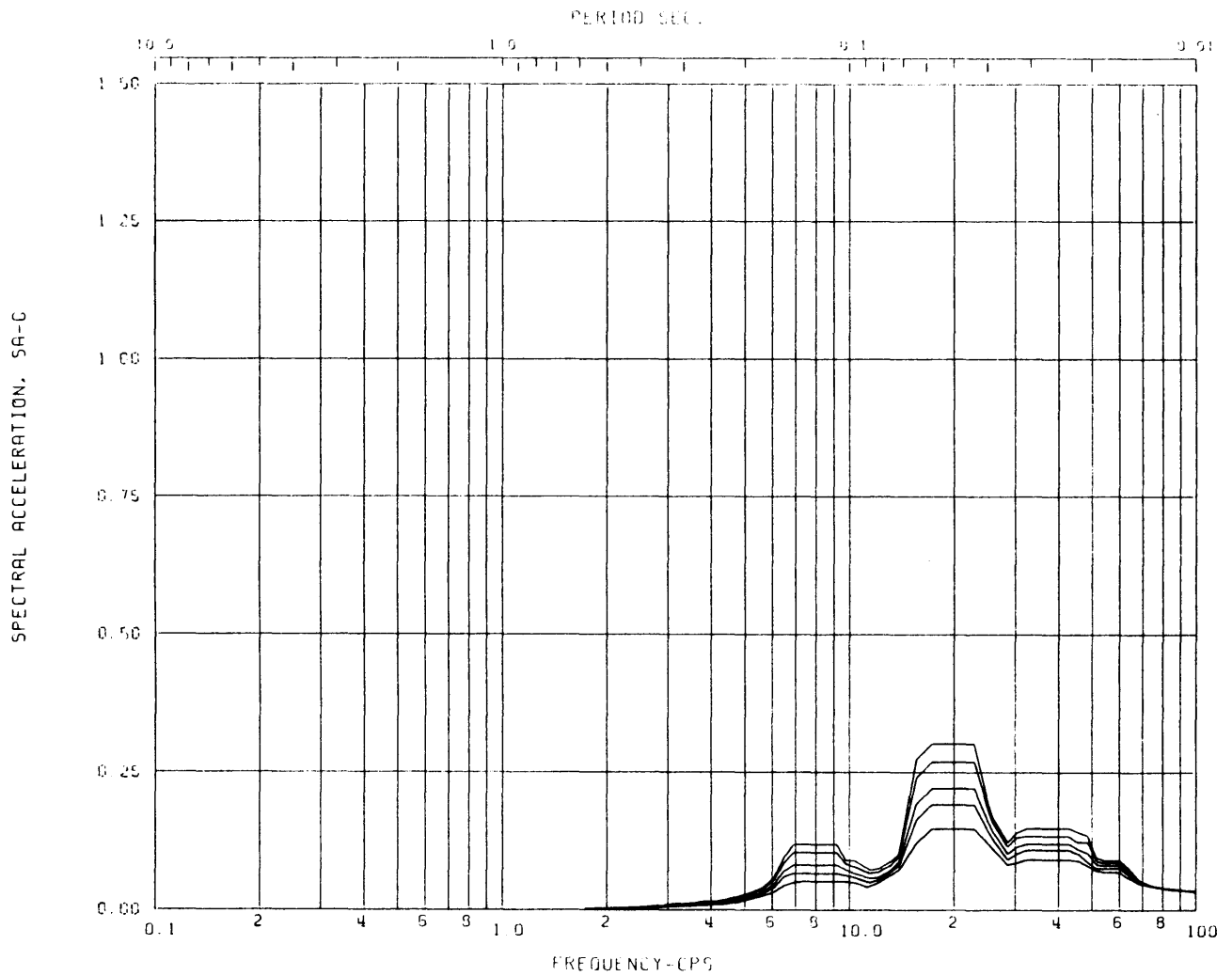
Node: 12 Direction: VERTICAL Elev: 352'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-218



Acceleration Spectra for REACTOR ENCL.

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

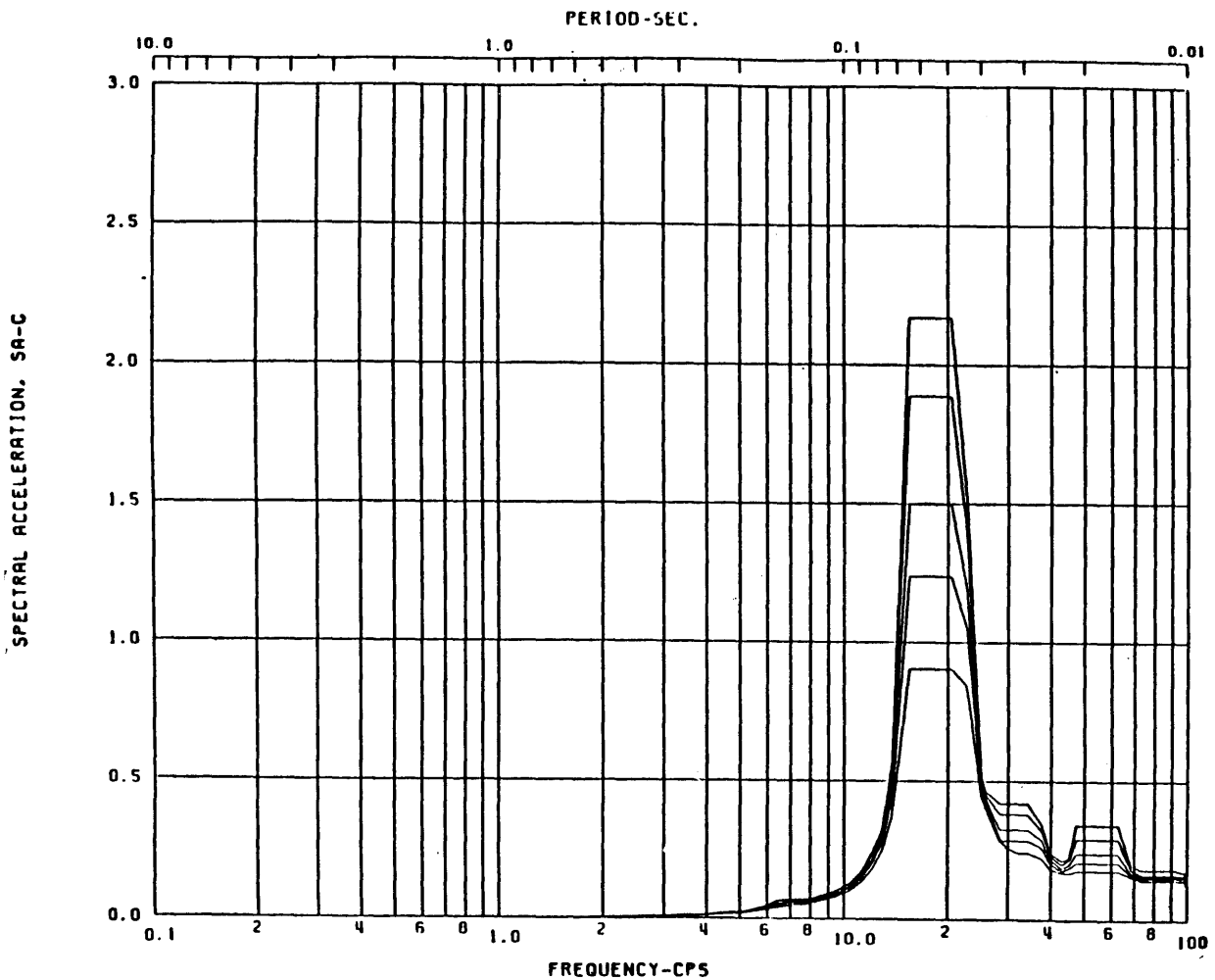
Node: 6 Direction: VERTICAL Elev: 410'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE
GLOBAL RESPONSE SPECTRA
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-219



Acceleration Spectra for CONTROL STRUCTURE

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

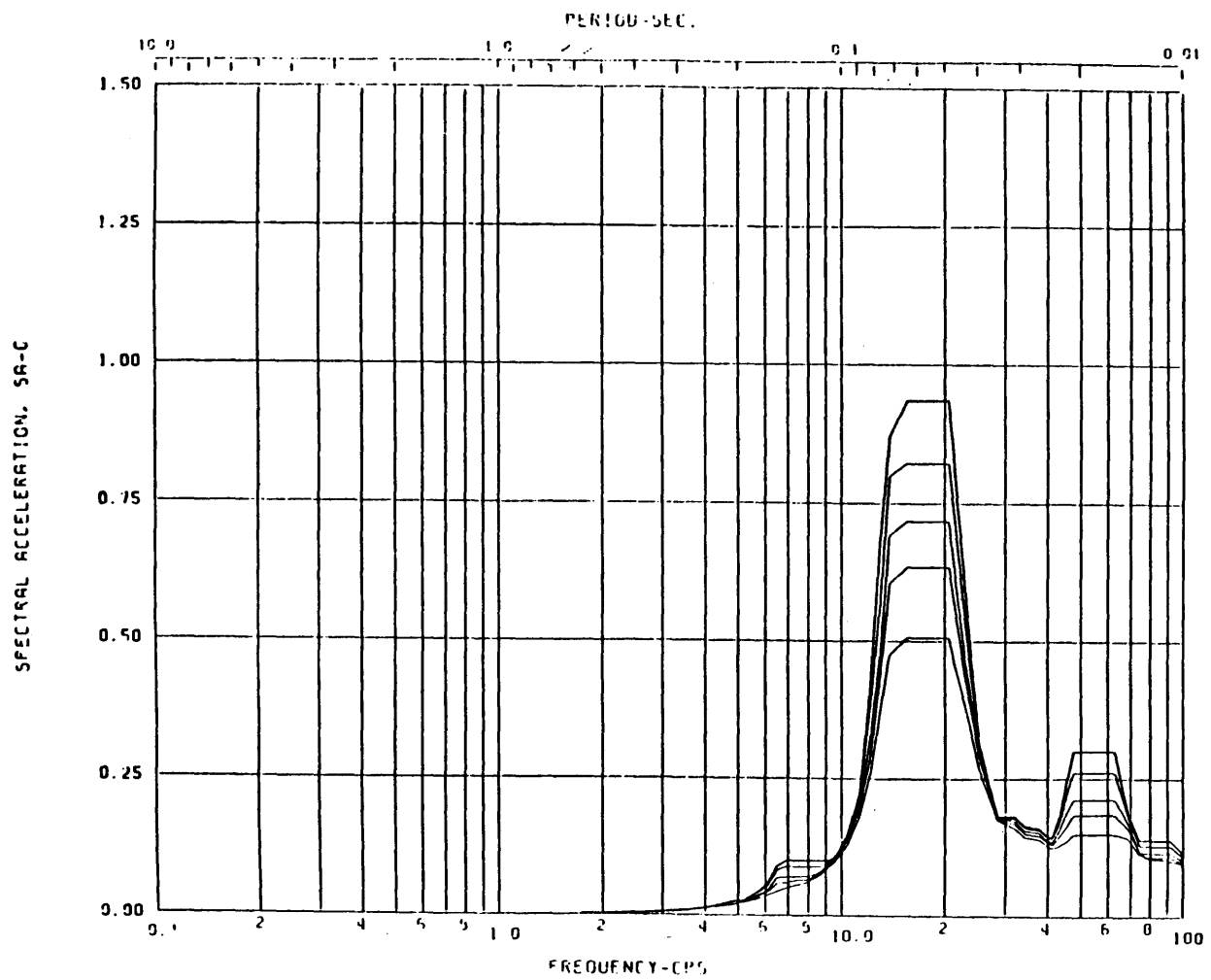
Node: 19 Direction: VERTICAL Elev: 217'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE
LOCAL RESPONSE SPECTRA,
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-220



Acceleration Spectra for CONTROL STRUCTURE

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

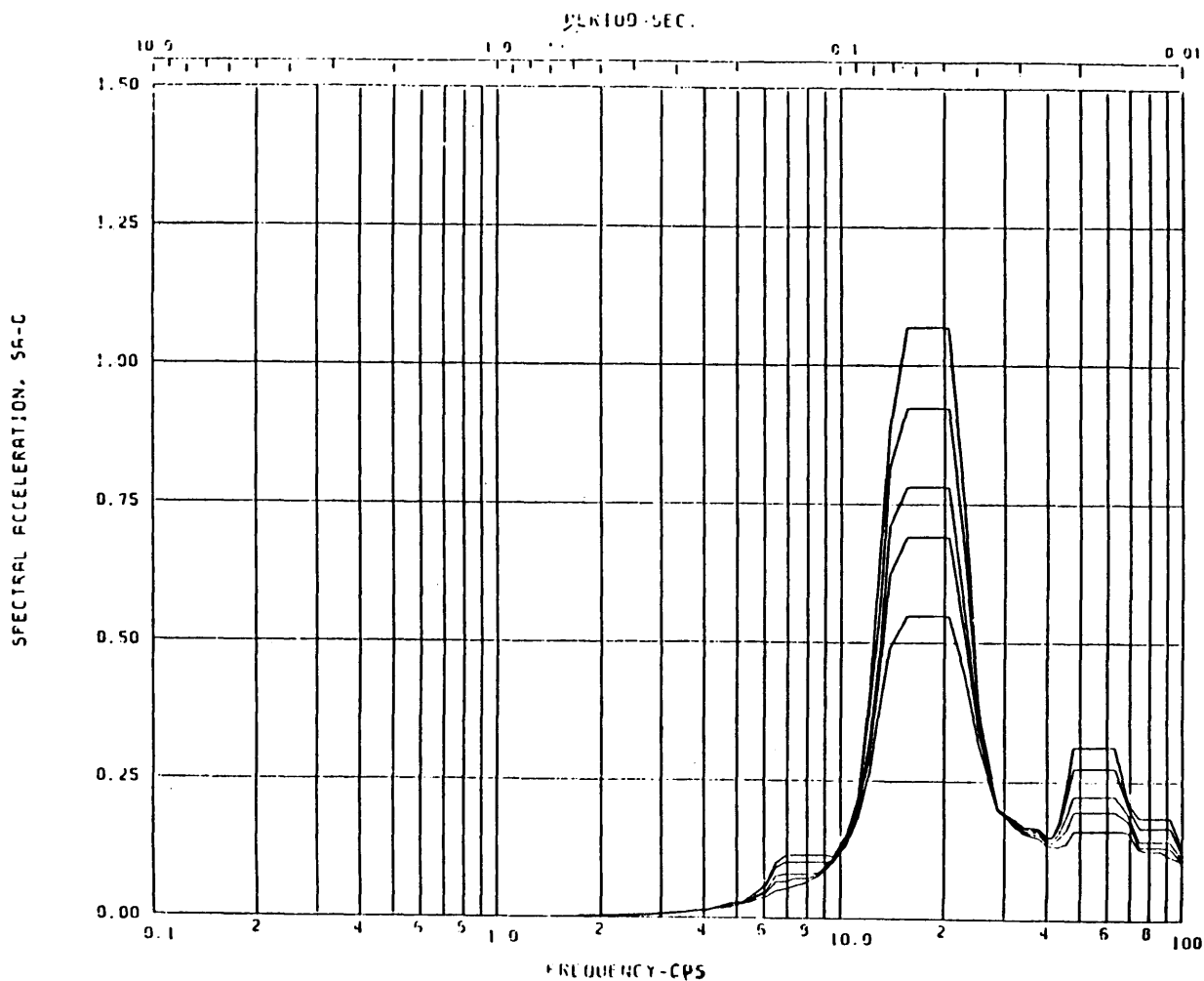
Node: 19 Direction: VERTICAL Elev: 239'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE
LOCAL RESPONSE SPECTRA,
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-221



Acceleration Spectra for CONTROL STRUCTURE

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

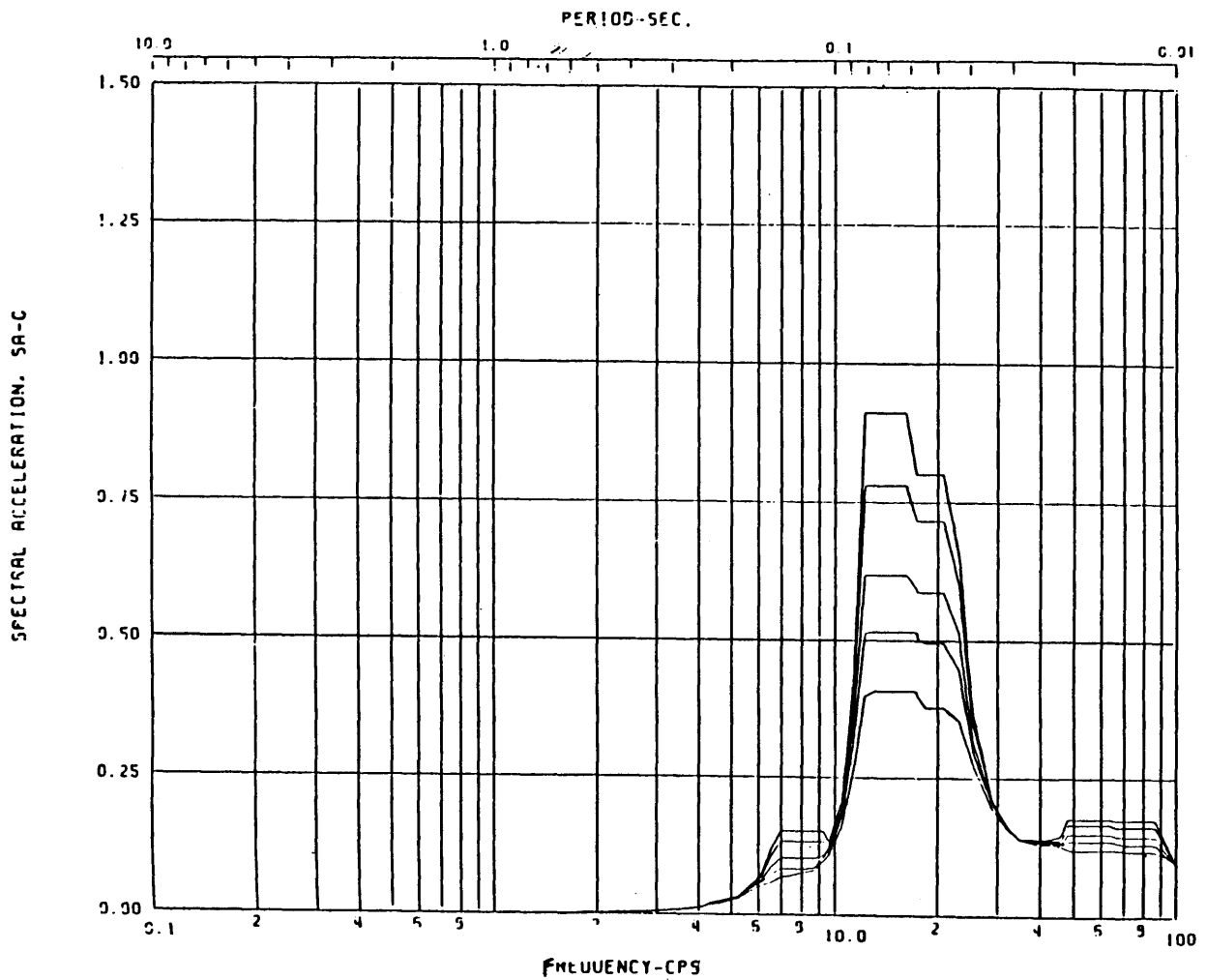
Node: 19 Direction: VERTICAL Elev: 254'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE
LOCAL RESPONSE SPECTRA,
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-222



Acceleration Spectra for CONTROL STRUCTURE

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

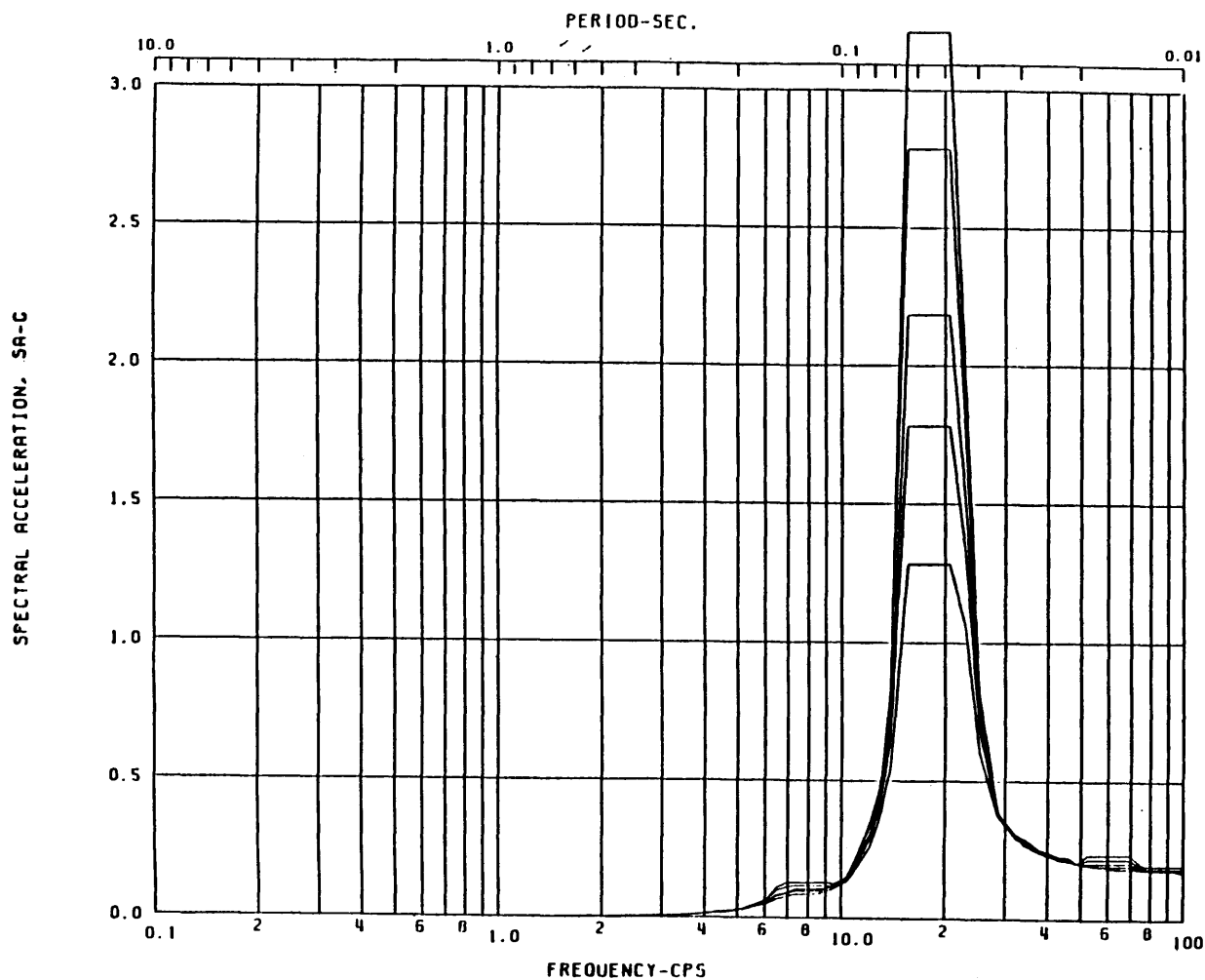
Node: 19 Direction: VERTICAL Elev: 269'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
 CONTROL STRUCTURE
 LOCAL RESPONSE SPECTRA,
 VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-223



Acceleration Spectra for CONTROL STRUCTURE

Load Case: KWU SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

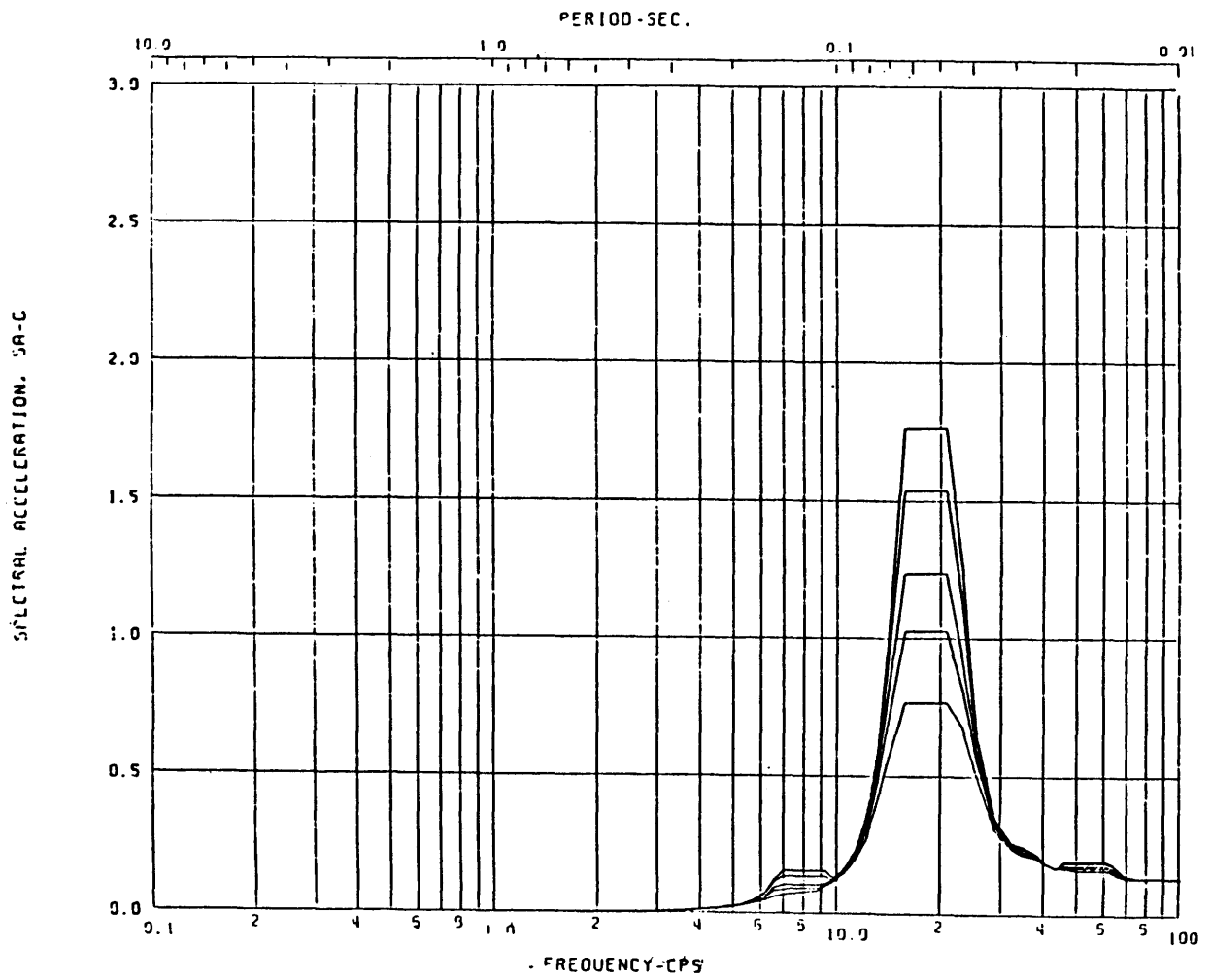
Node: 19 Direction: VERTICAL Elev: 289'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE
LOCAL RESPONSE SPECTRA,
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-224



Acceleration Spectra for CONTROL STRUCTURE

Load Case: KWU-SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

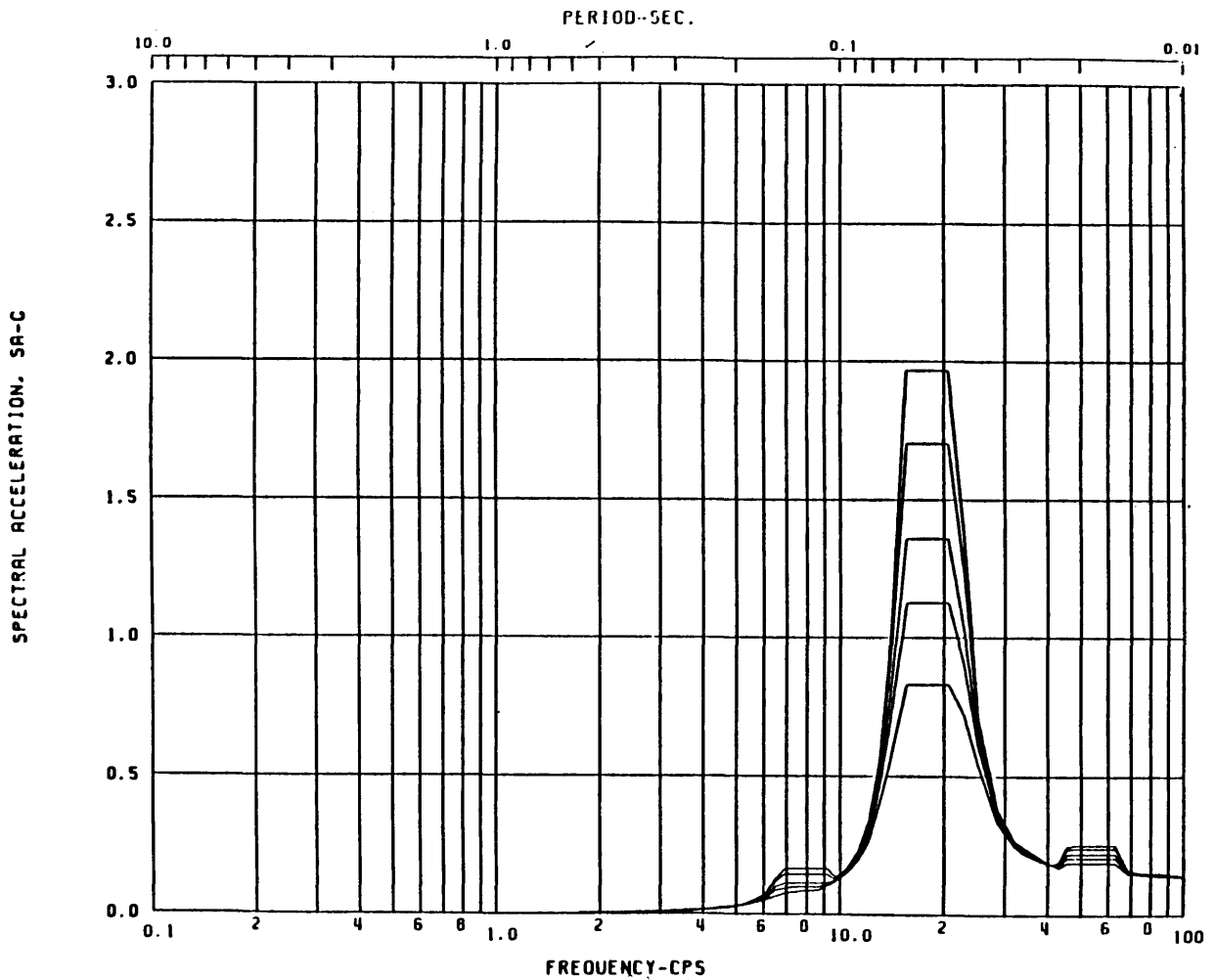
Node: 19 Direction: VERTICAL Elev: 304'-0

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
 CONTROL STRUCTURE
 LOCAL RESPONSE SPECTRA,
 VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-225



Acceleration Spectra for CONTROL STRUCTURE

Load Case: KWU-SRV AXISYMMETRIC ENVELOPE (WIDENED - 15%)

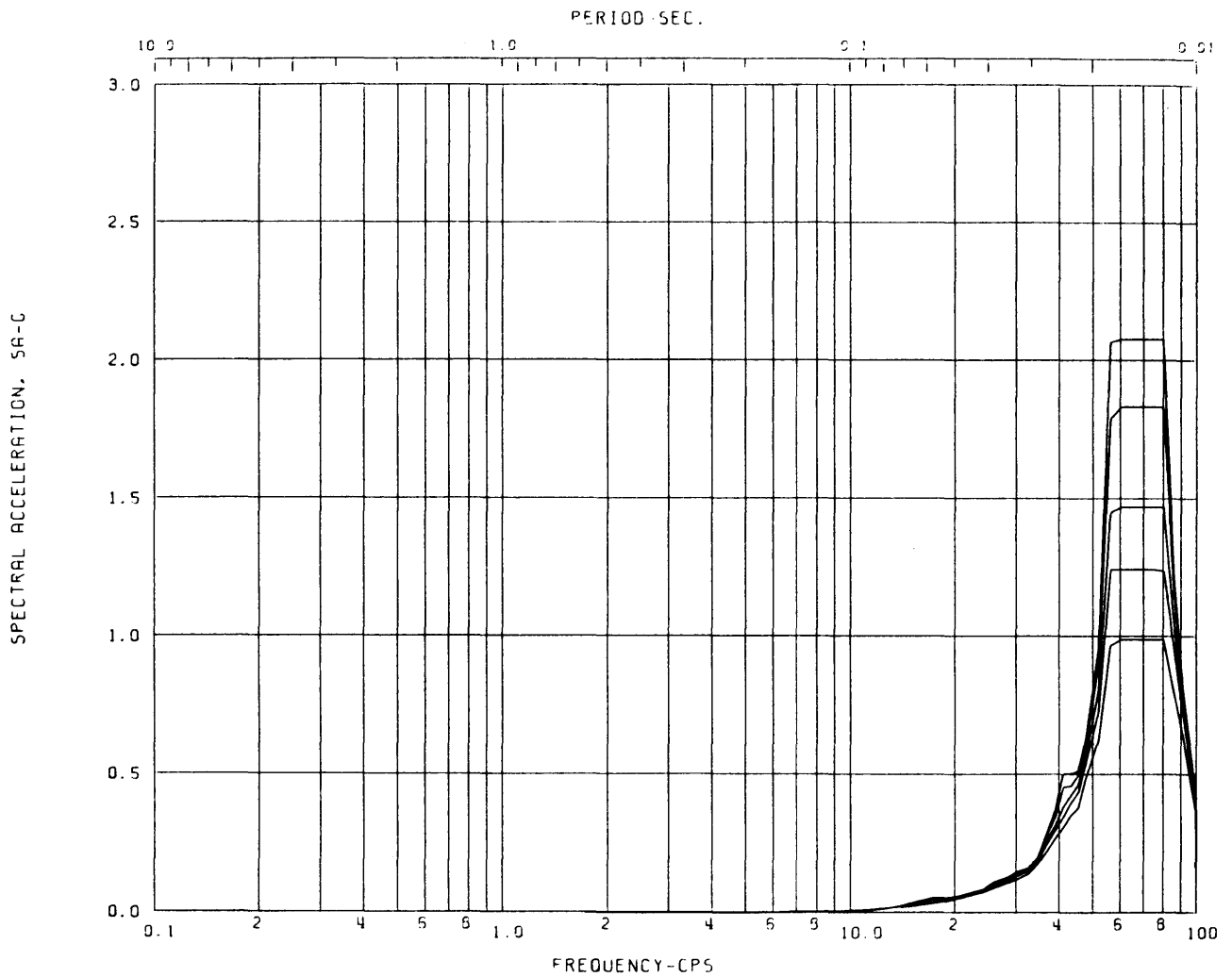
Node: 19 Direction: VERTICAL Elev: 332'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE
LOCAL RESPONSE SPECTRA,
VERTICAL, SRV AXISYMMETRIC

FIGURE 3A-226



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

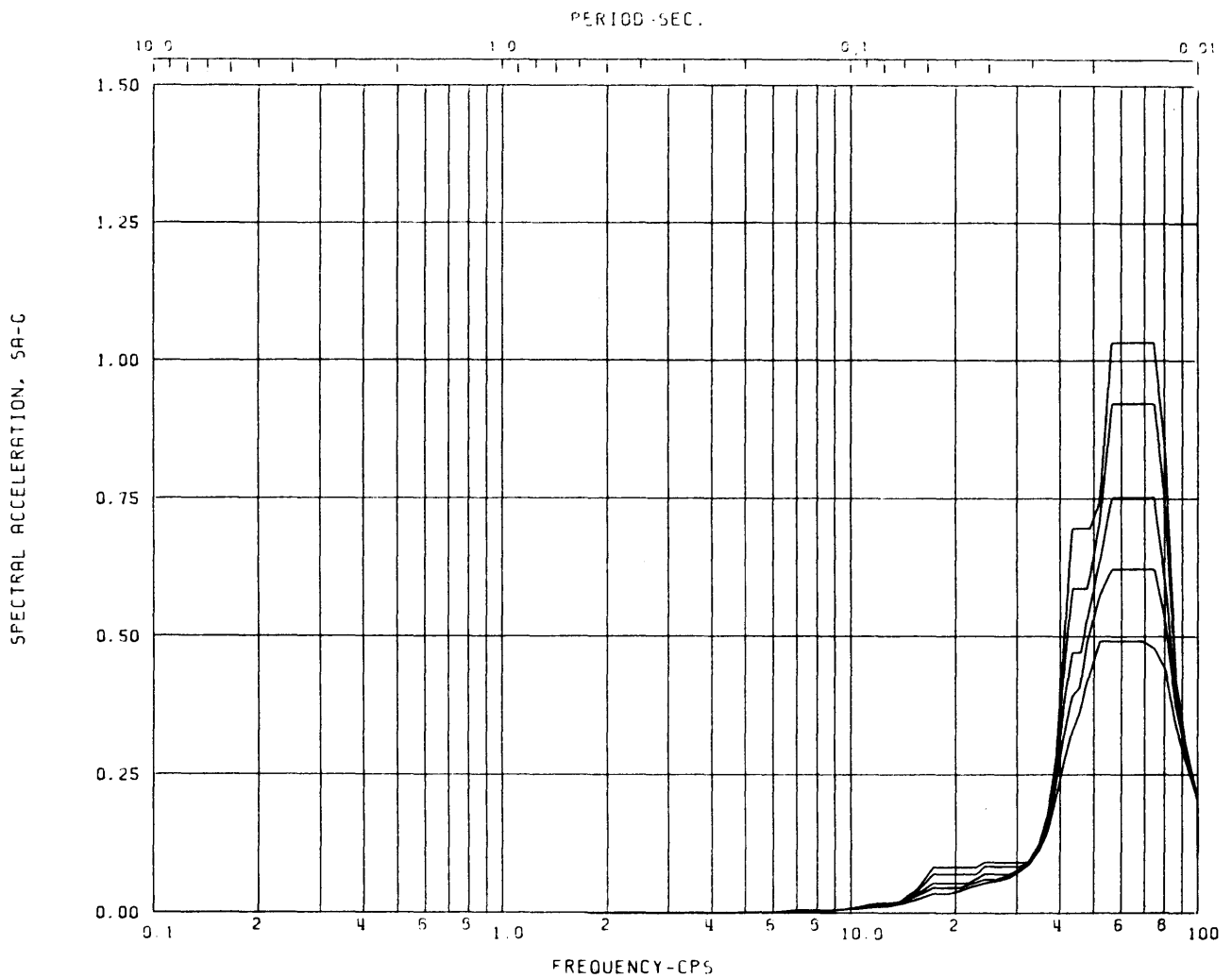
Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 1 Direction: HORIZ N-S Elev: 177'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
CHUG ASYMMETRIC
FIGURE 3A-227**



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

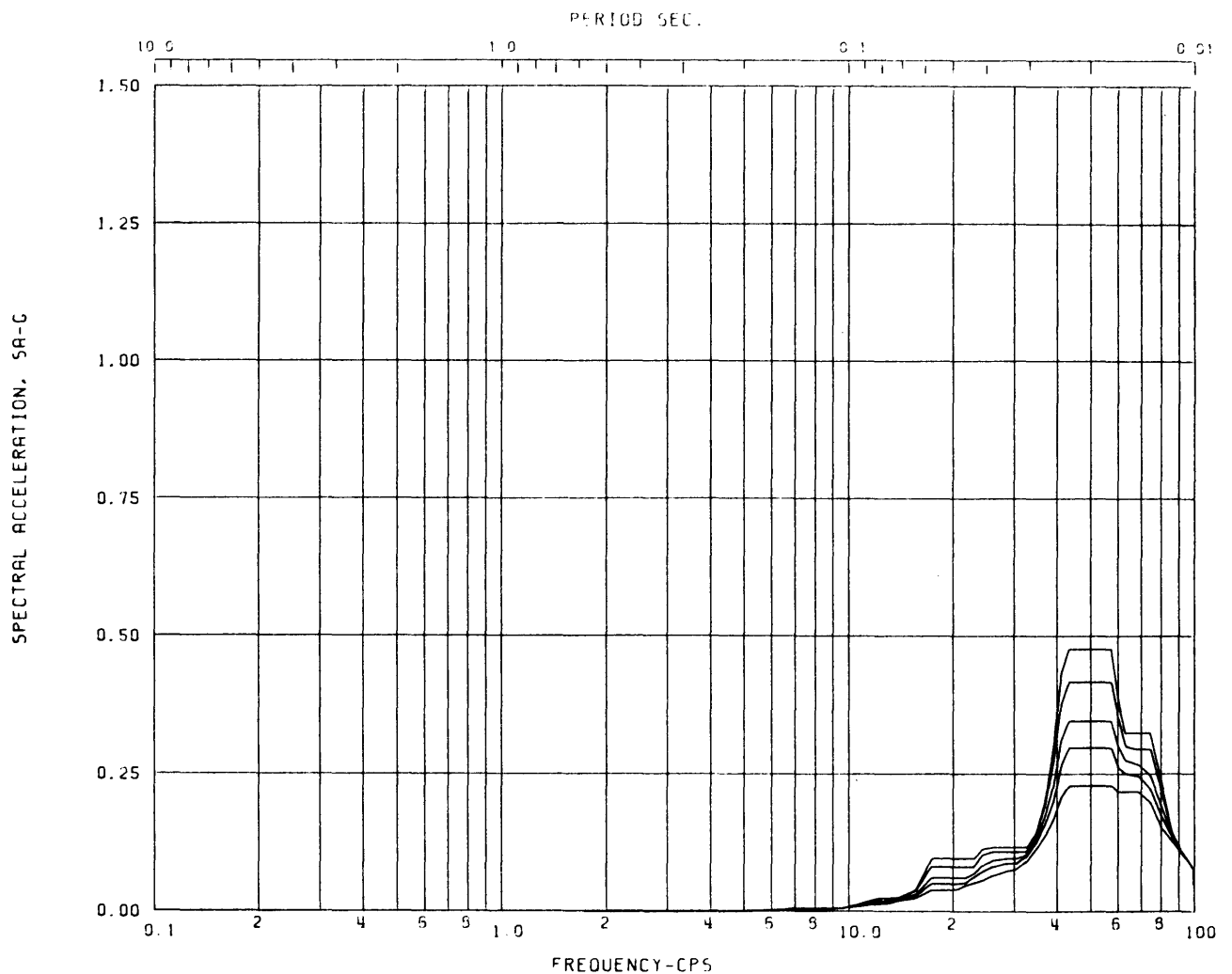
Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 2 Direction: HORIZ N-S Elev: 201'-0

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
CHUG ASYMMETRIC
FIGURE 3A-228**



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)

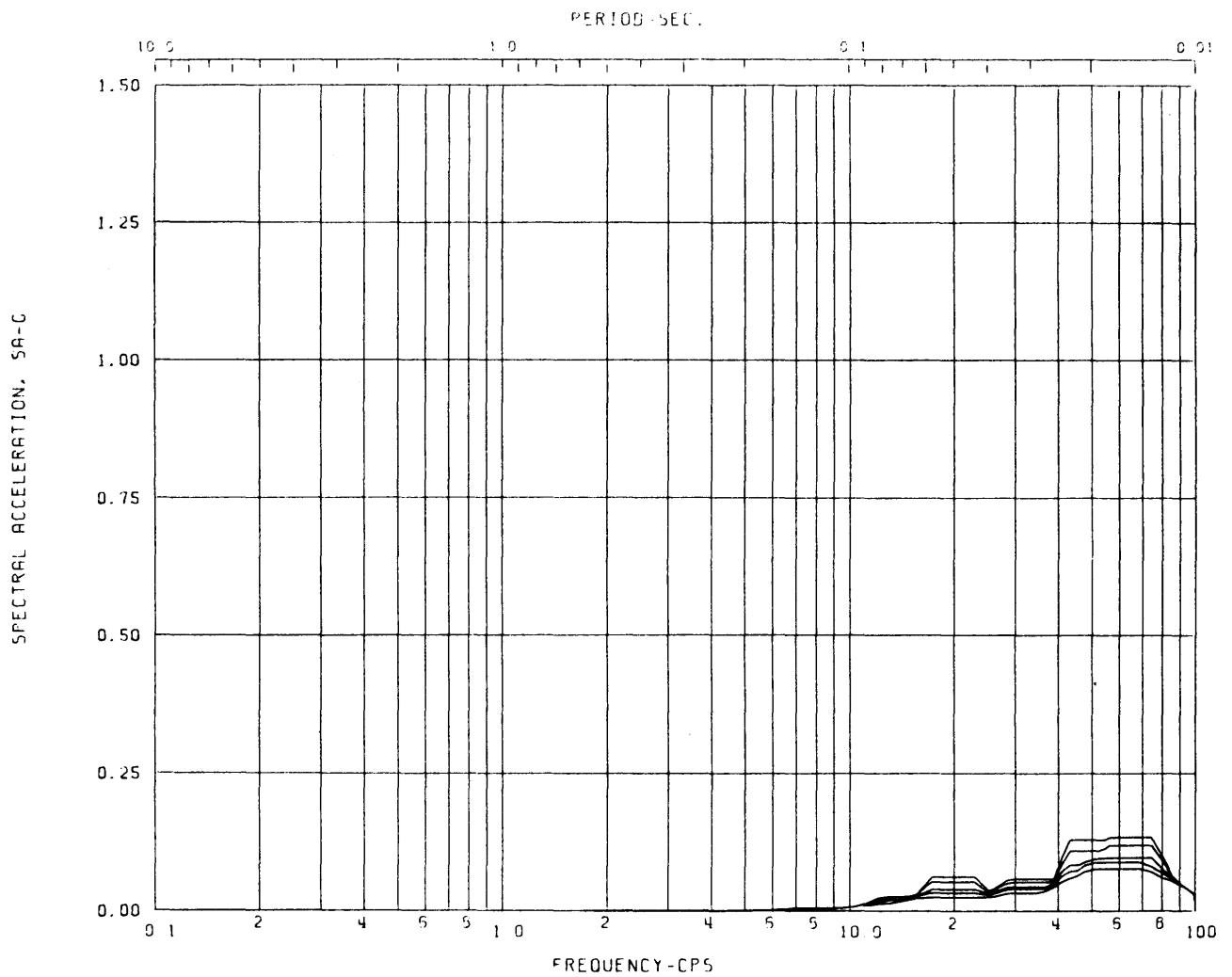
Node: 3 Direction: HORIZ N-S Elev: 217'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
CHUG ASYMMETRIC**

FIGURE 3A-229



Acceleration Spectra for REACTORENCL., CONTROL STRUCTURE

Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)

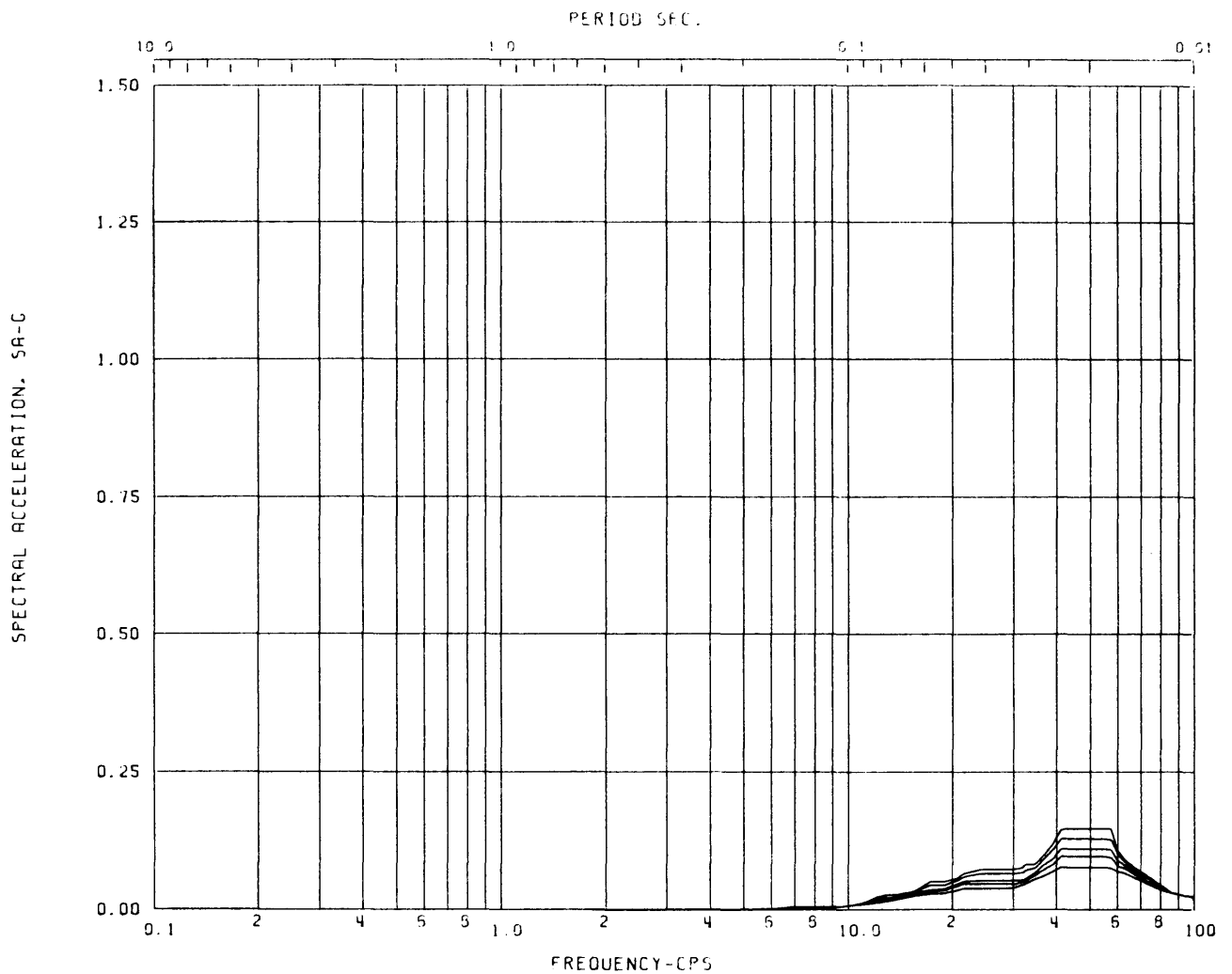
Node: 4 Direction: HORIZ N-S Elev: 239'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
CHUG ASYMMETRIC**

FIGURE 3A-230



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

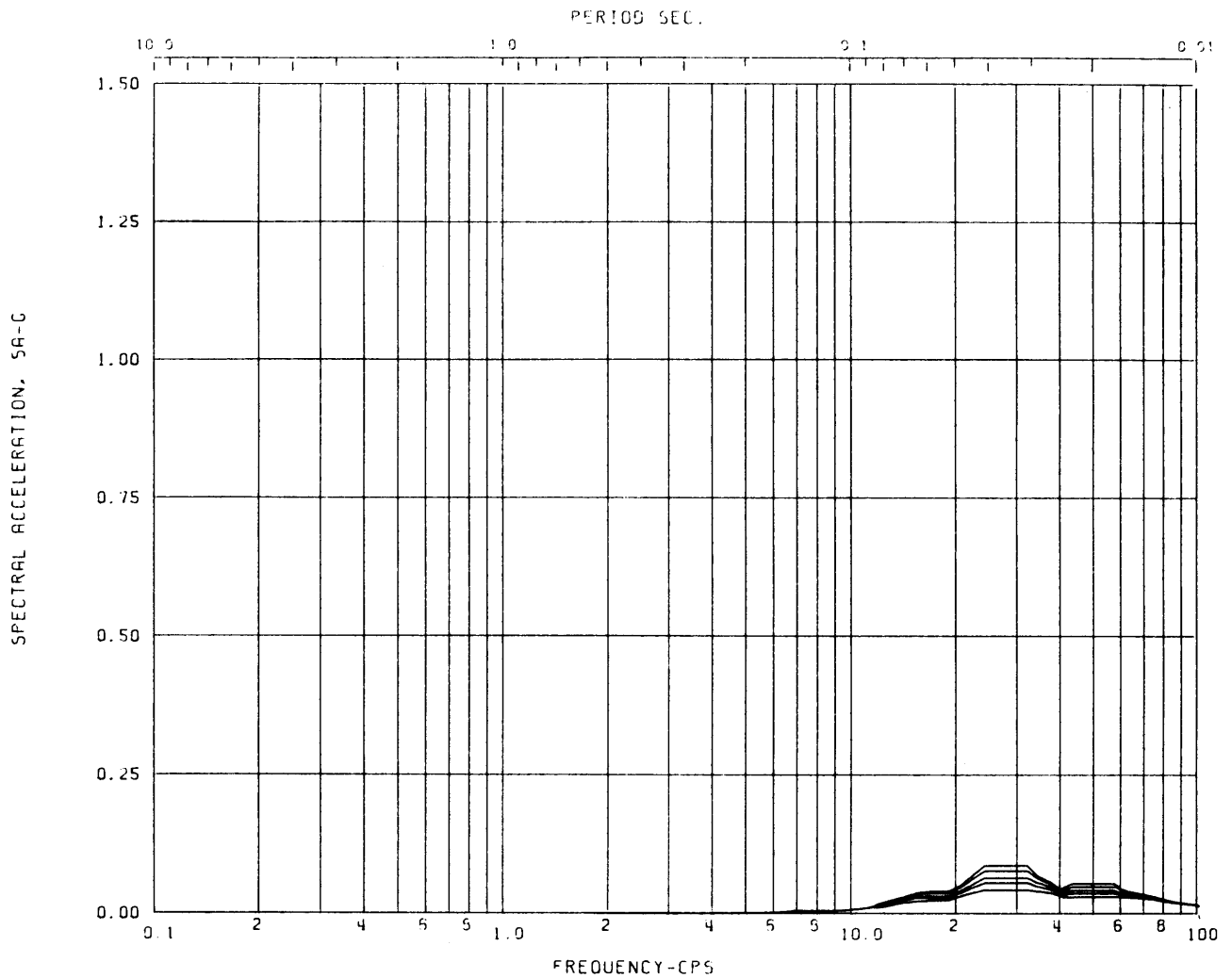
Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 5 Direction: HORIZ N-S Elev: 253'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
CHUG ASYMMETRIC
FIGURE 3A-231**



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

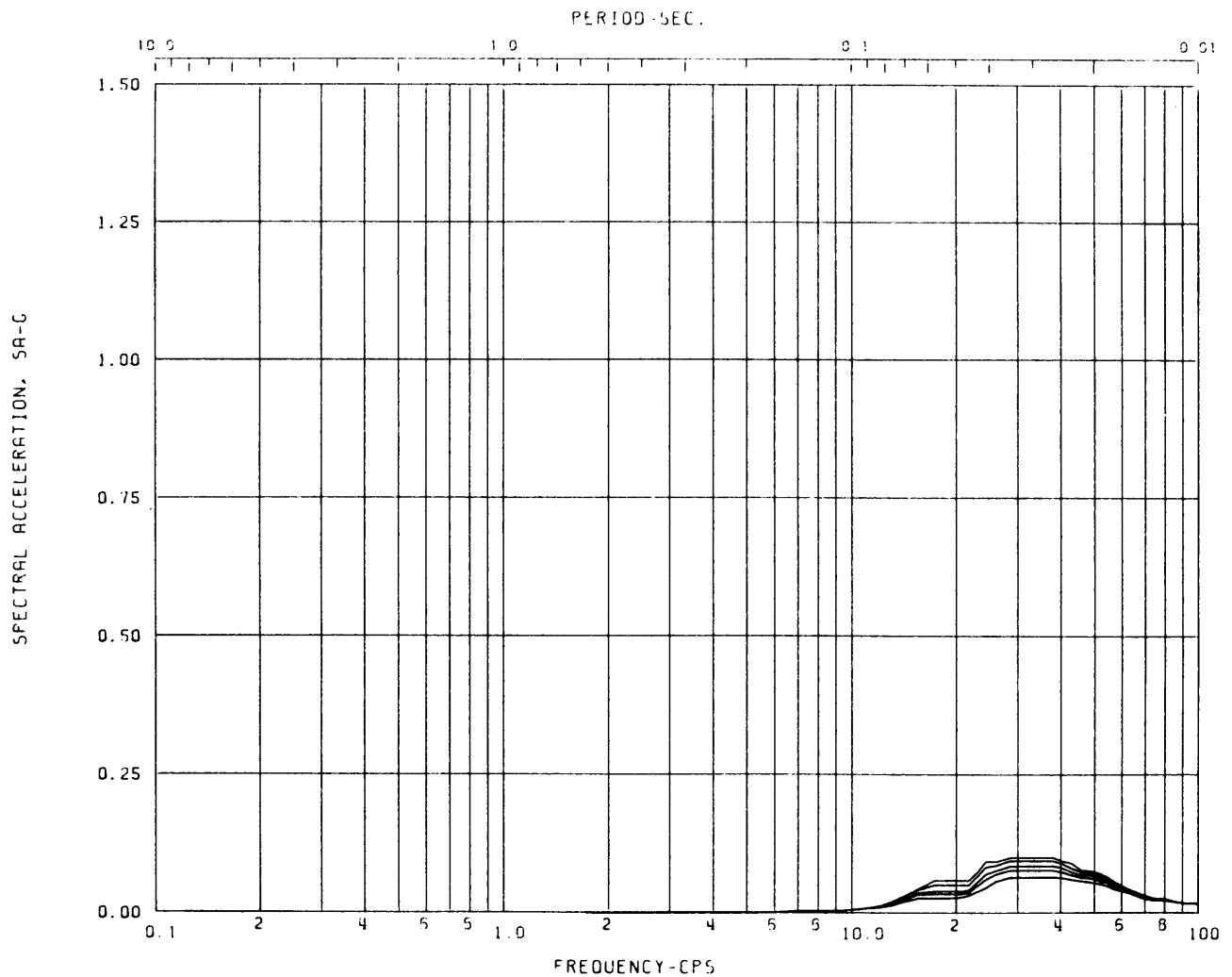
Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 6 Direction: HORIZ N-S Elev: 269'-0

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
CHUG ASYMMETRIC
FIGURE 3A-232



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

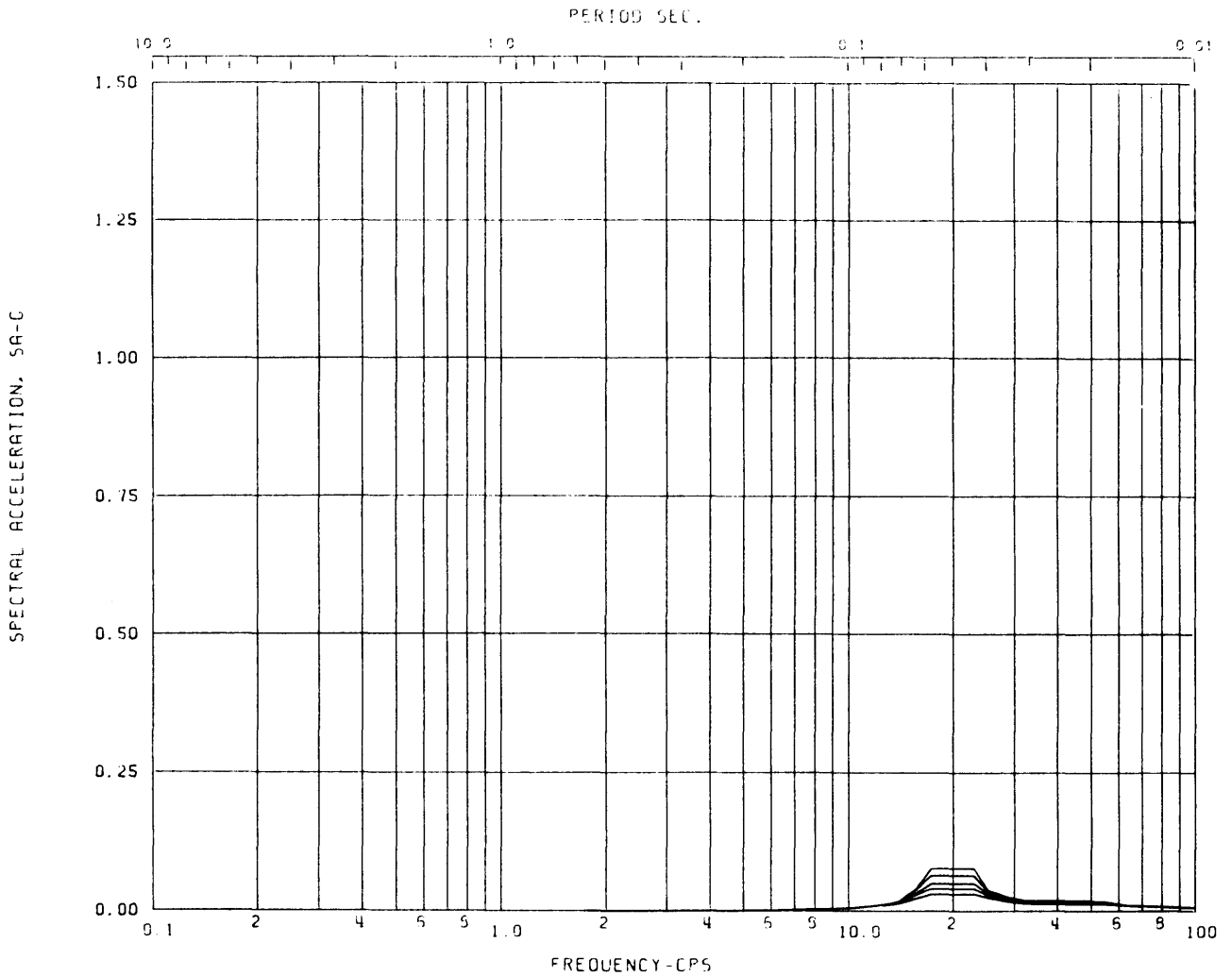
Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 7 Direction: HORIZ N-S Elev: 283'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
CHUG ASYMMETRIC
FIGURE 3A-233**



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

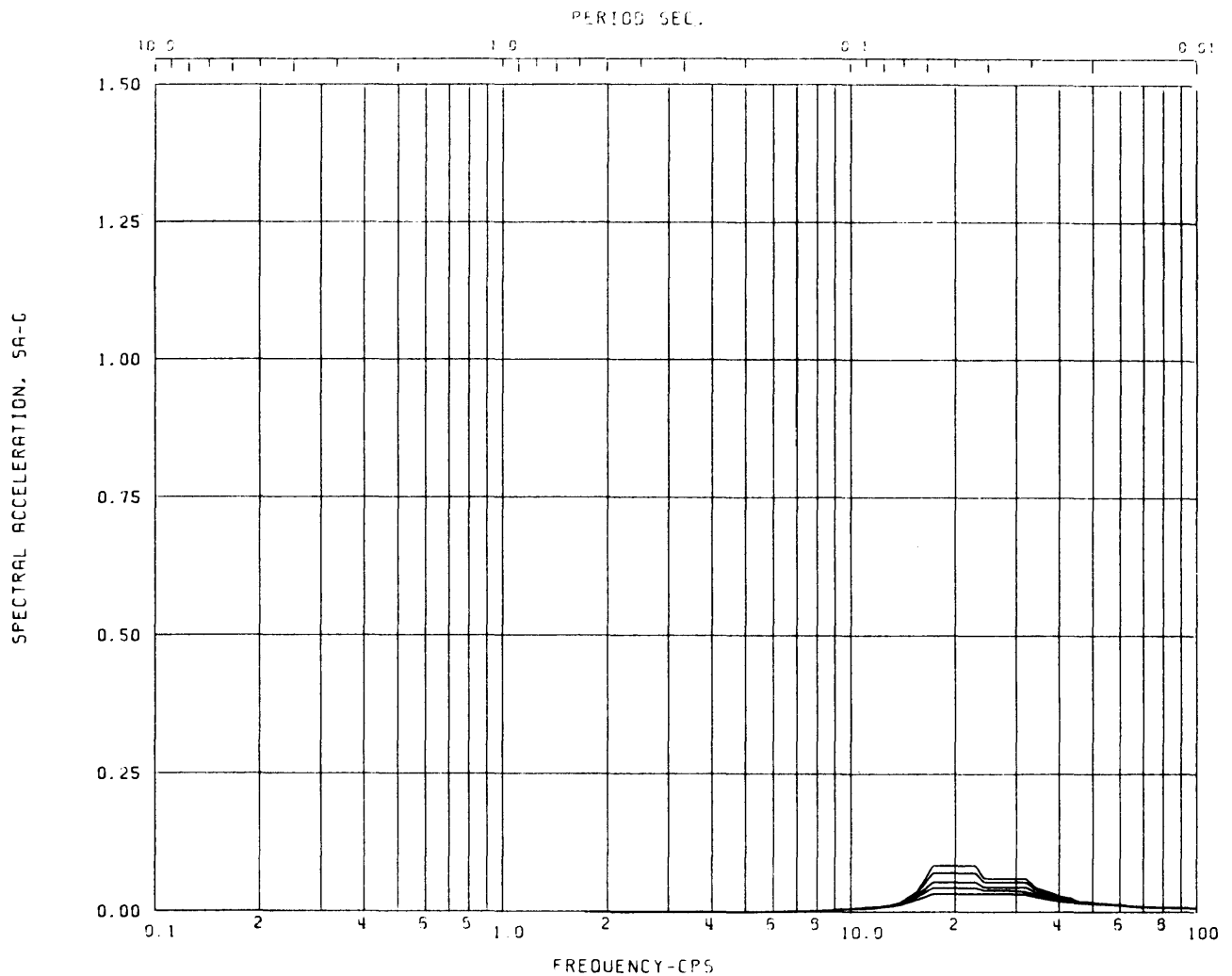
Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 8 Direction: HORIZ N-S Elev: 304'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT

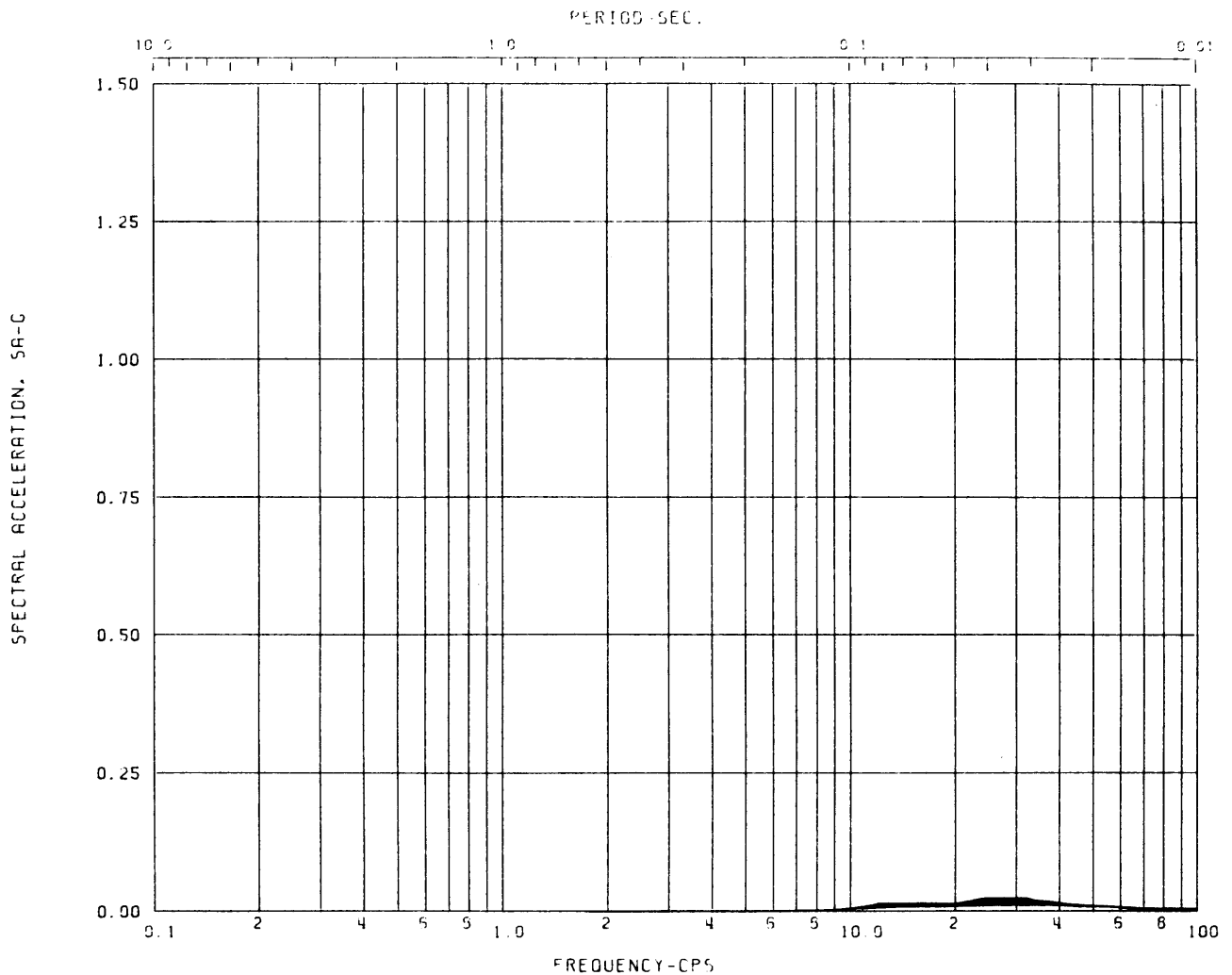
DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, N-S HORIZONTAL,
 CHUG ASYMMETRIC
 FIGURE 3A-234



Acceleration Spectra for REACTOR ENCL. , CONTROL STRUCTURE
 Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)
 Node: 9 Direction: HORIZ N-S Elev: 313'-0
 Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, N-S HORIZONTAL,
 CHUG ASYMMETRIC
 FIGURE 3A-235**



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

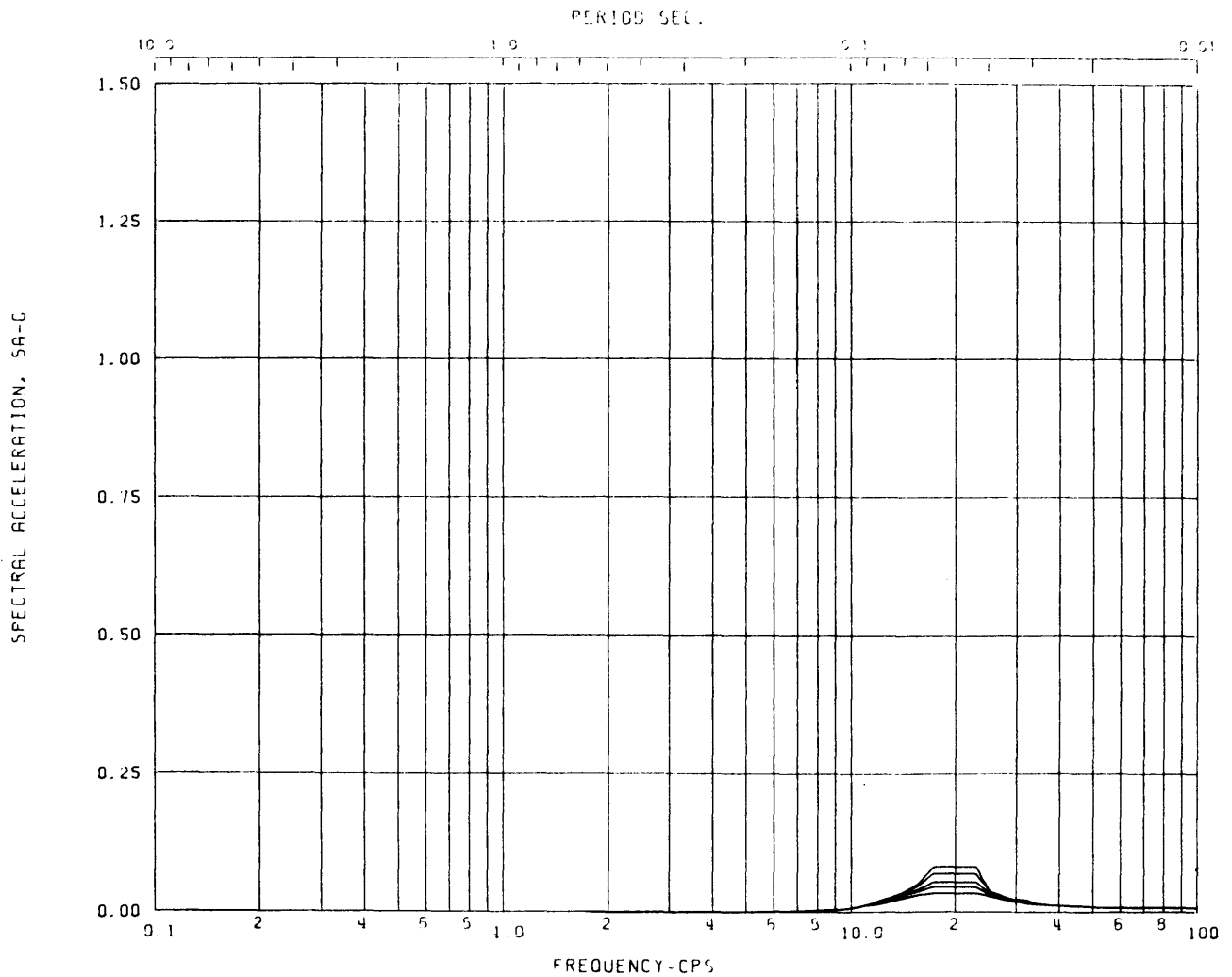
Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 10 Direction: HORIZ N-S Elev: 332'-0

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
CHUG ASYMMETRIC
FIGURE 3A-236**



Acceleration Spectra for REACTOR ENCL , CONTROL STRUCTURE

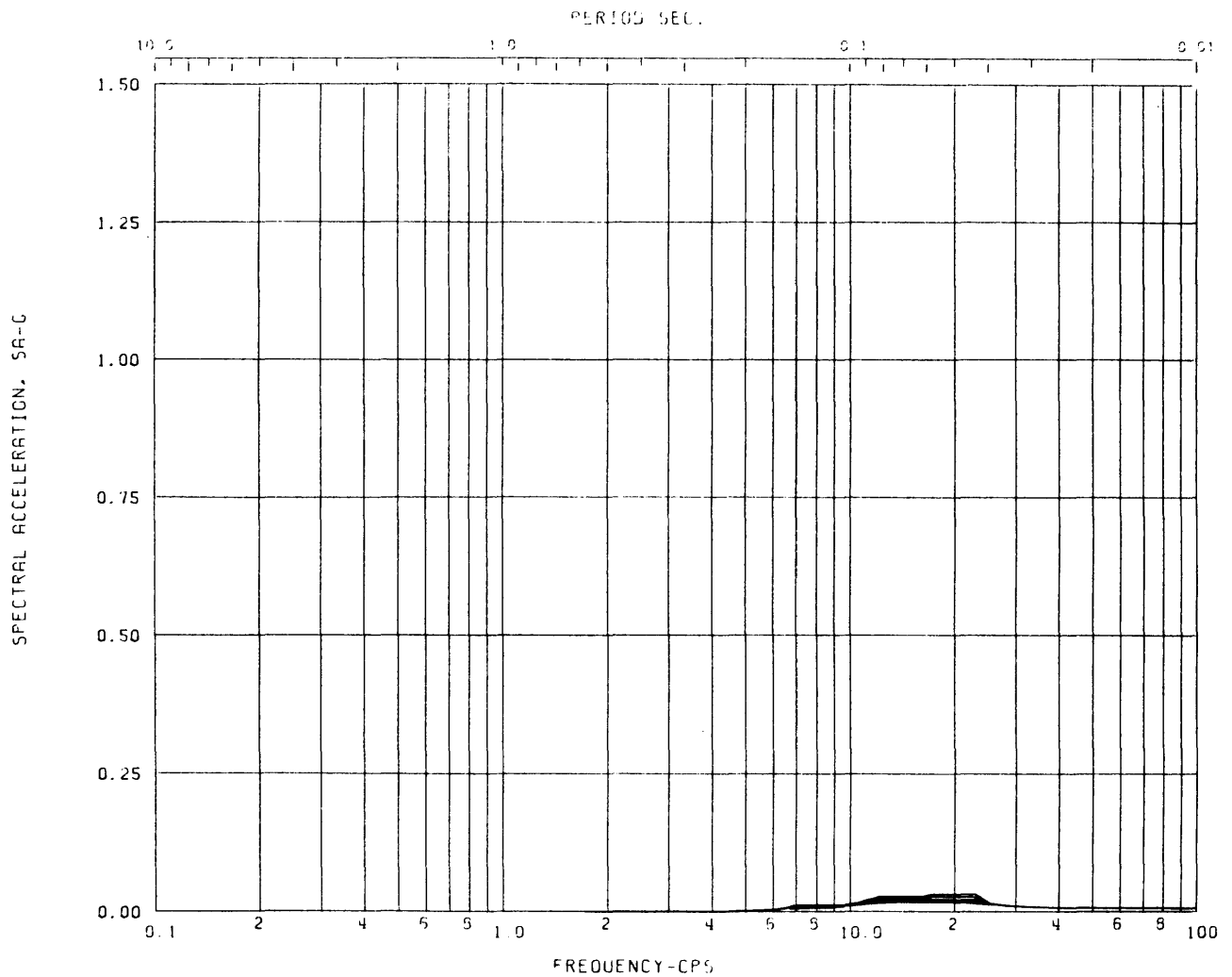
Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)

Node: 11 Direction: HORIZ N-S Elev: 352'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

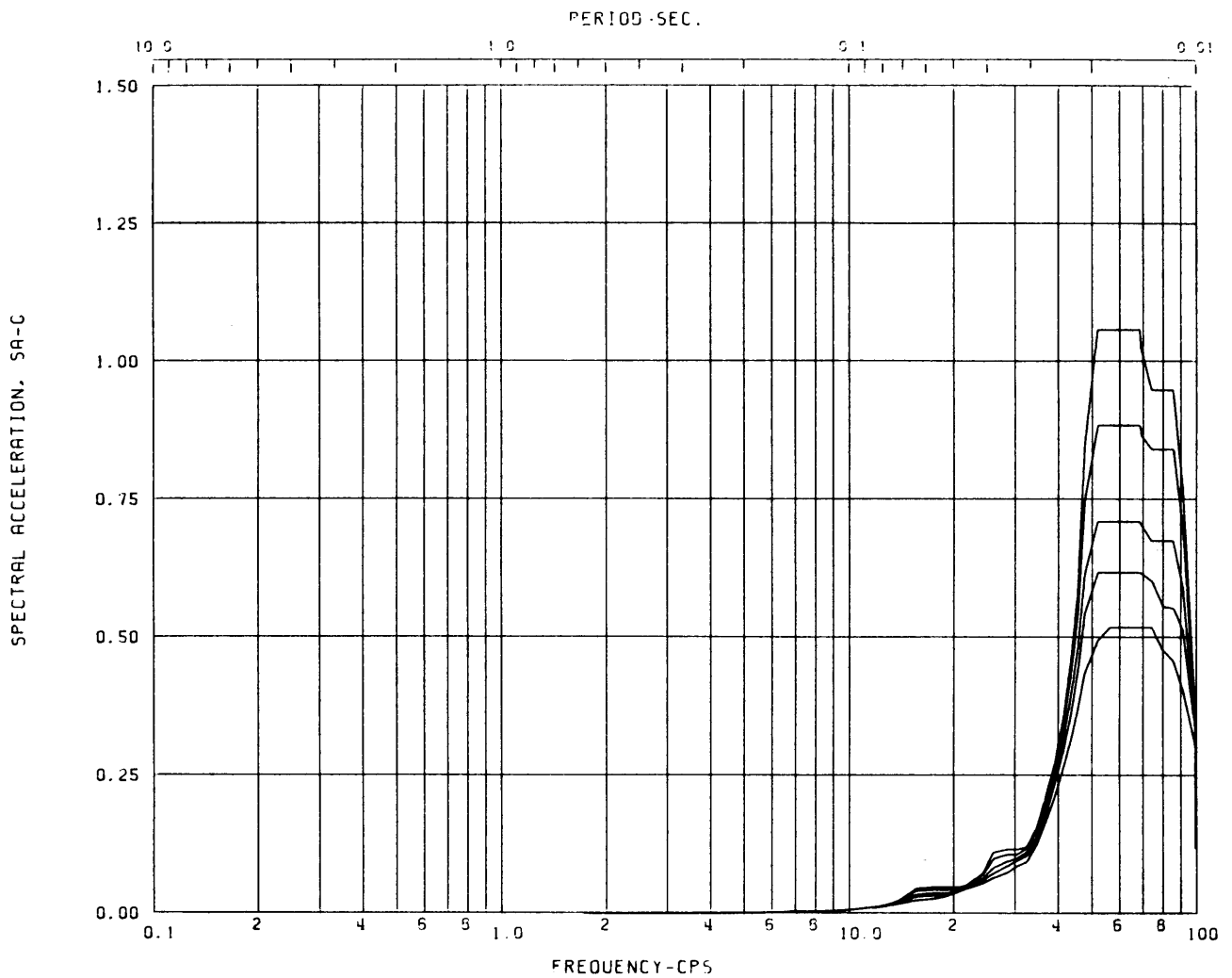
DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, N-S HORIZONTAL,
CHUG ASYMMETRIC
FIGURE 3A-237



Acceleration Spectra for REACTOR ENCL. , CONTROL STRUCTURE
 Load Case: CHUGGING GE700 SERIES ASYMMETRIC ENVELOPE (WIDENED - 15%)
 Node: 12 Direction: HORIZ N-S Elev: 410'-0
 Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, N-S HORIZONTAL,
 CHUG ASYMMETRIC
 FIGURE 3A-238**



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

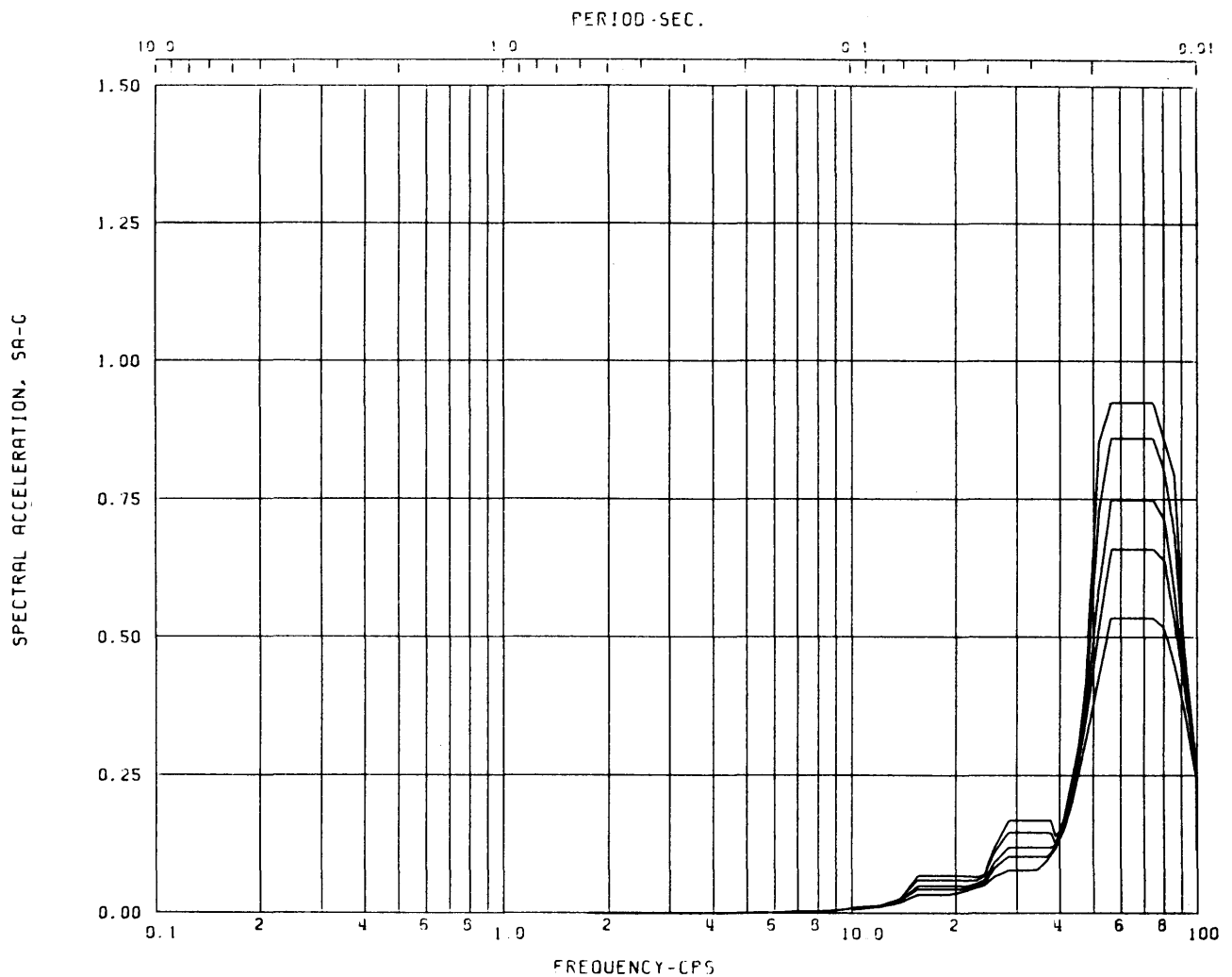
Node: 1 Direction: HORIZ E-W Elev: 177'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
CHUG ASYMMETRIC**

FIGURE 3A-239



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

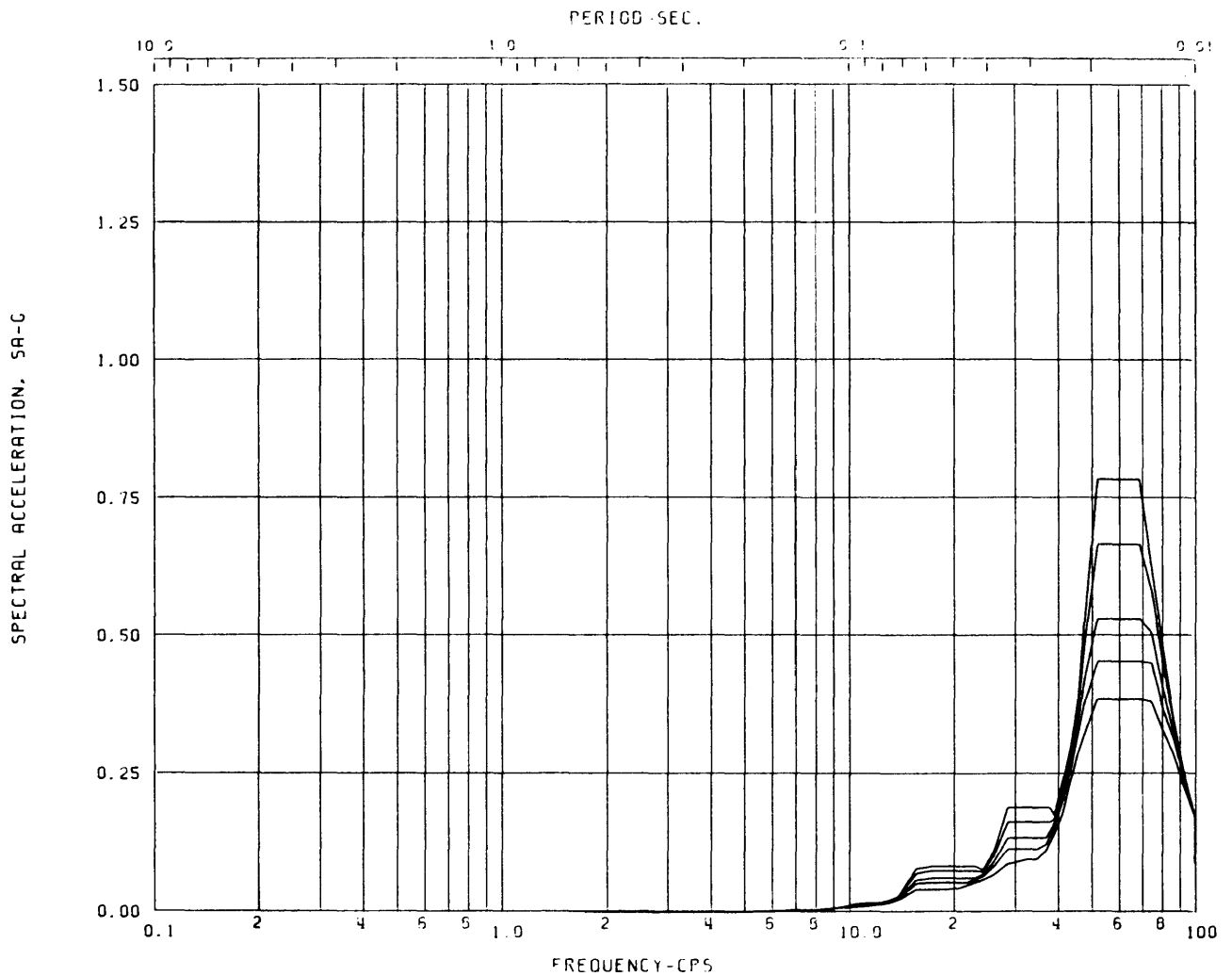
Node: 2 Direction: HORIZ E-W Elev: 201'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
CHUG ASYMMETRIC**

FIGURE 3A-240



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

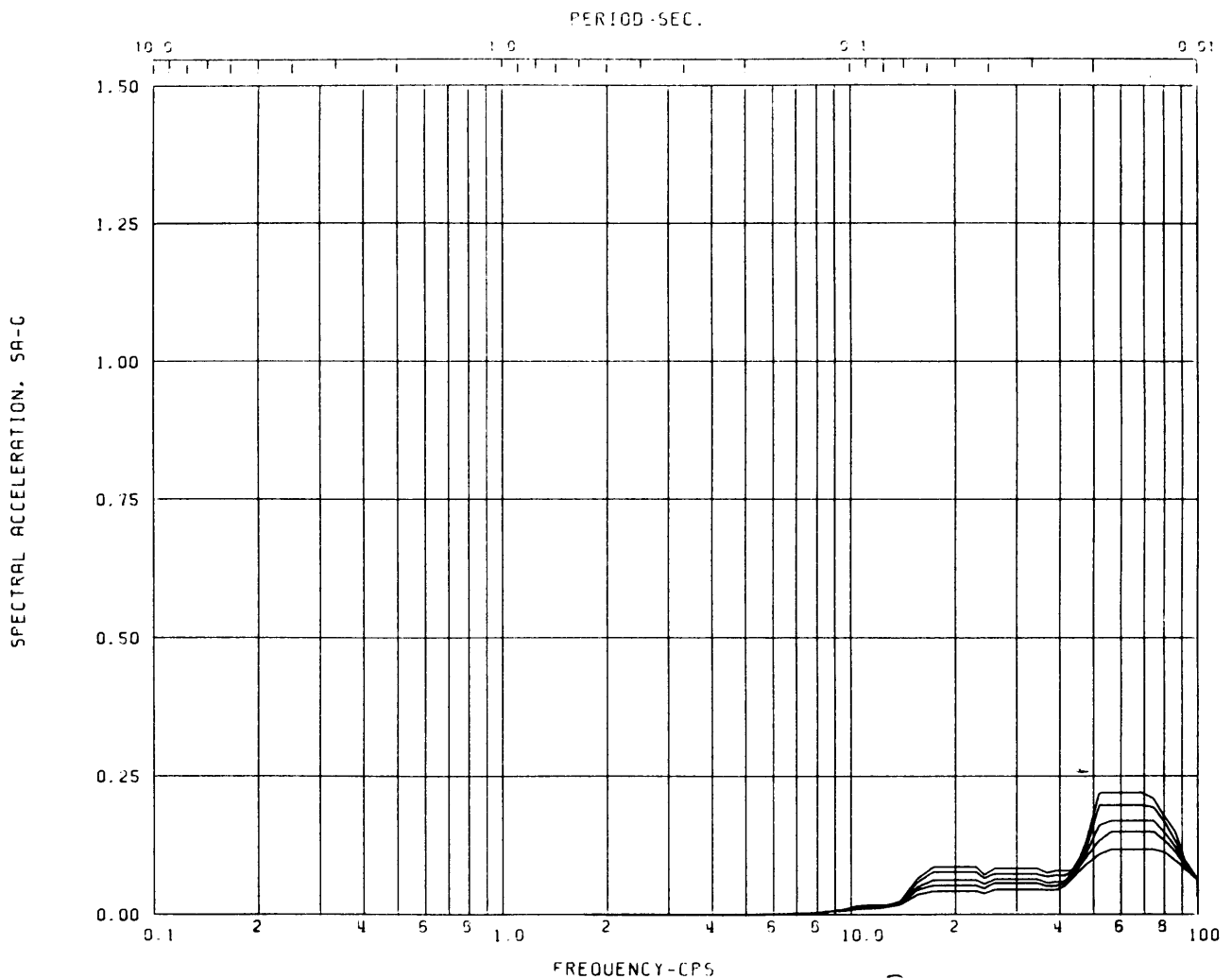
Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

Node: 3 Direction: HORIZ E-W Elev: 217'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, E-W HORIZONTAL,
 CHUG ASYMMETRIC
 FIGURE 3A-241



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

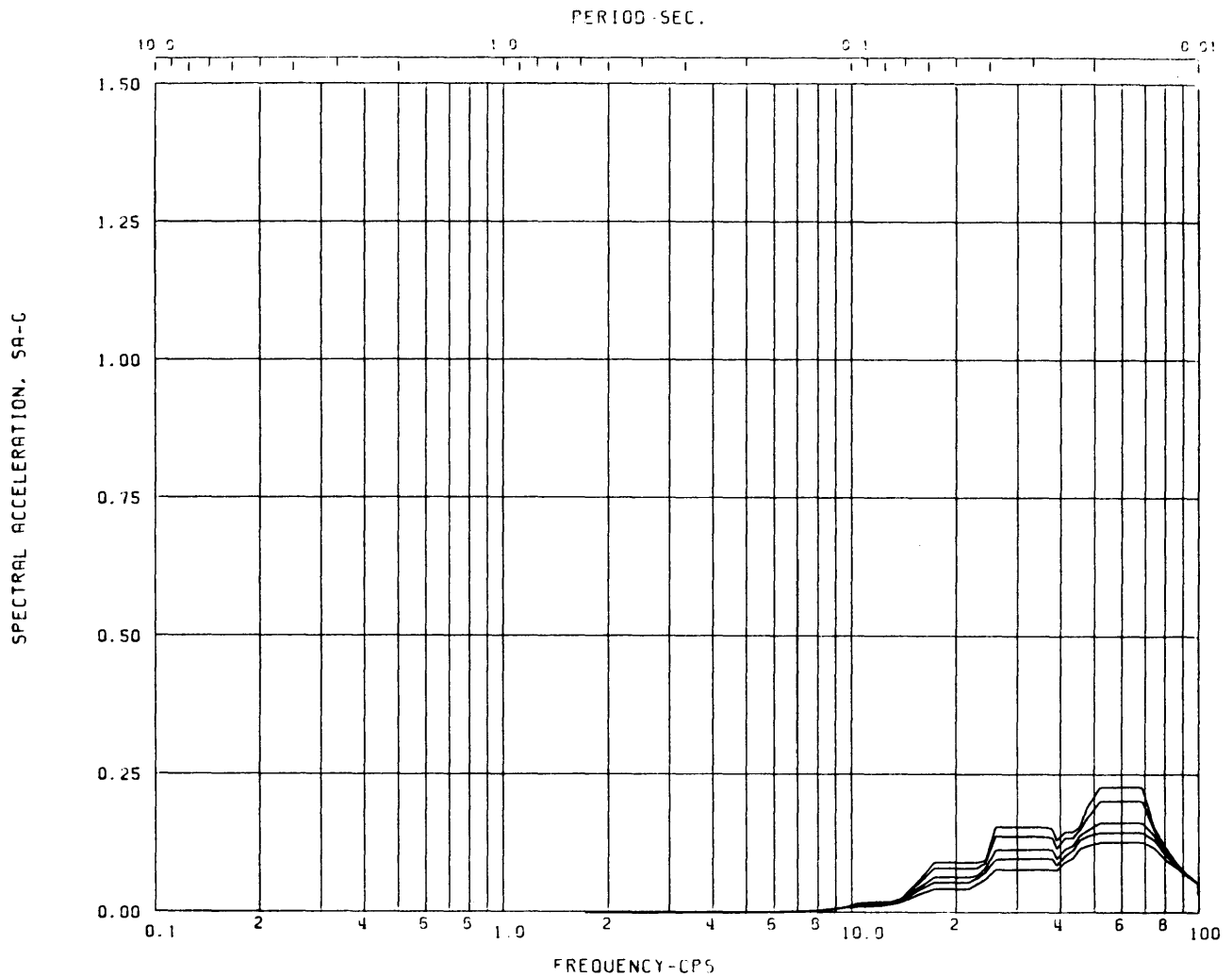
Node: 4 Direction: HORIZ E-W Elev: 239'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, E-W HORIZONTAL,
 CHUG ASYMMETRIC**

FIGURE 3A-242



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

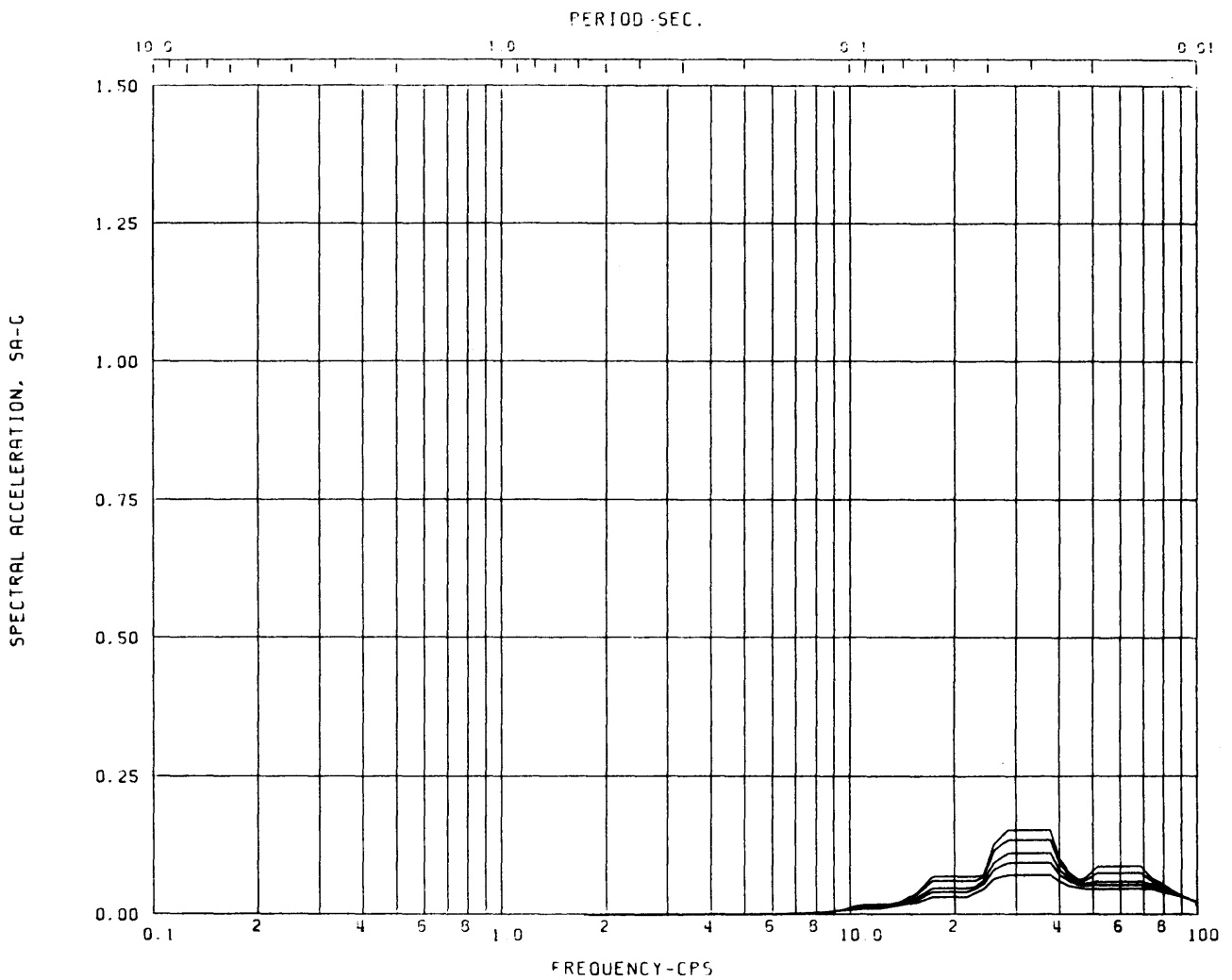
Node: 5 Direction: HORIZ E-W Elev: 253'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
CHUG ASYMMETRIC**

FIGURE 3A-243



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

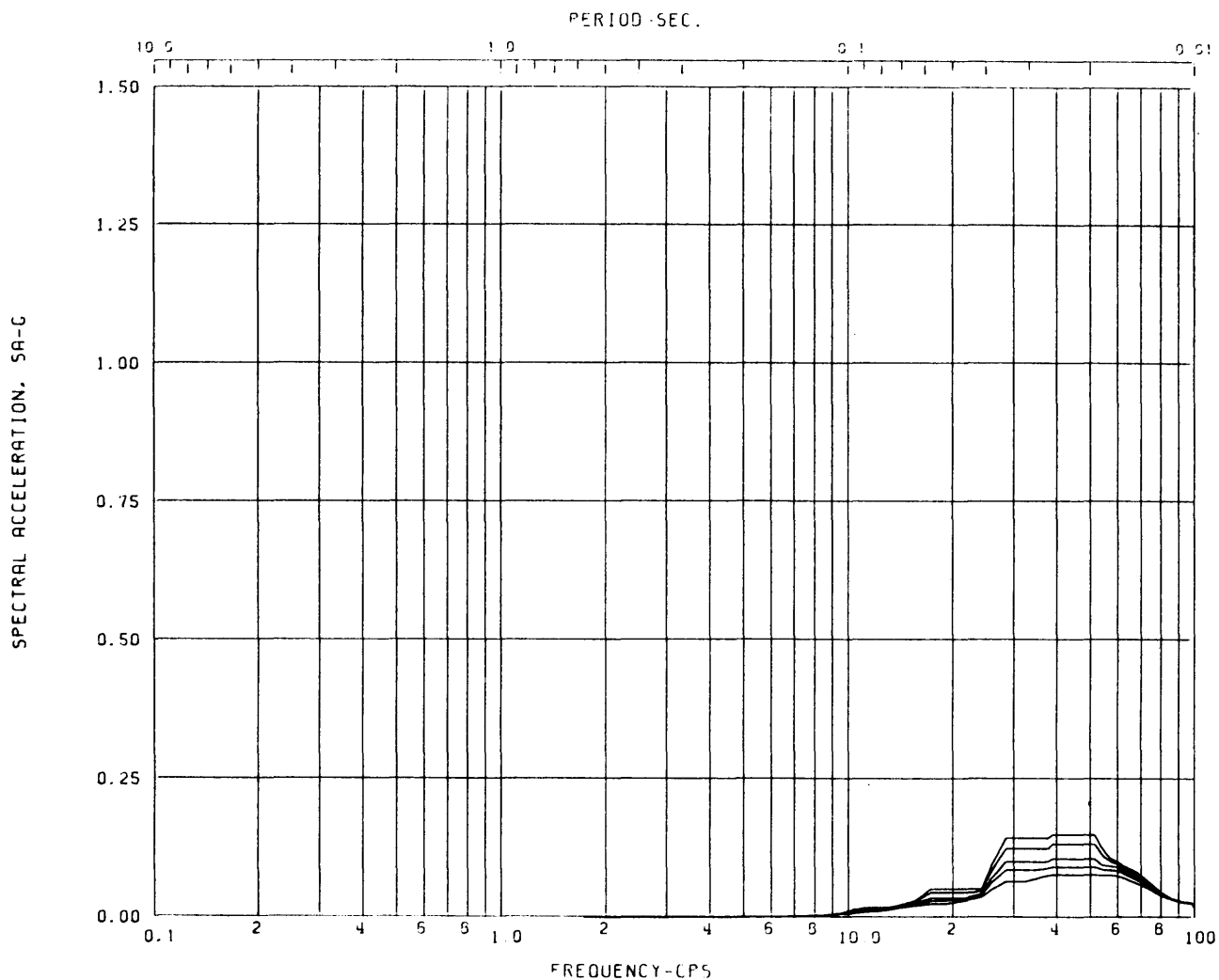
Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

Node: 6 Direction: HORIZ E-W Elev: 269'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
CHUG ASYMMETRIC
FIGURE 3A-244



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

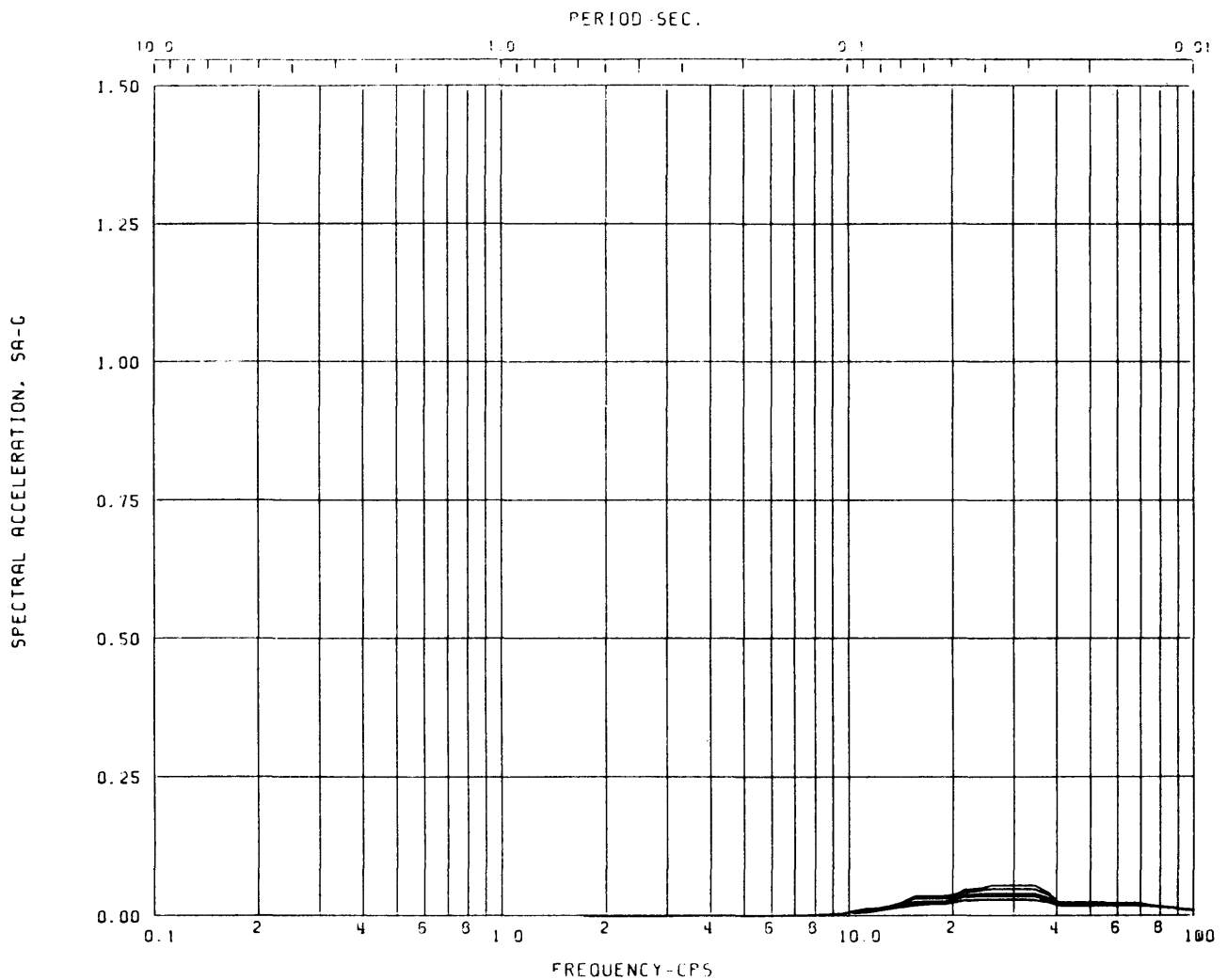
Node: 7 Direction: HORIZ E-W Elev: 283'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
CHUG ASYMMETRIC

FIGURE 3A-245



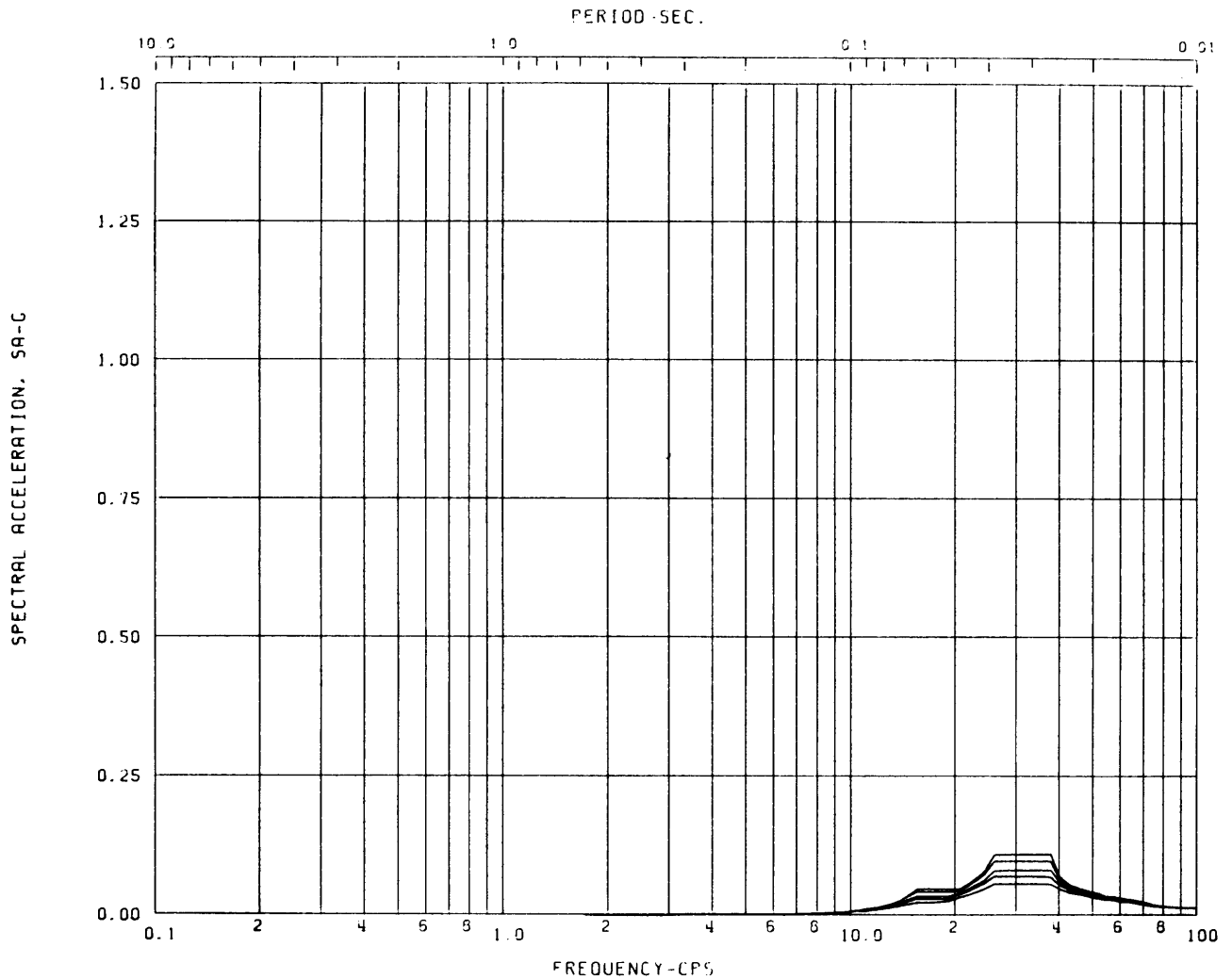
Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

Node: 8 Direction: HORIZ E-W Elev: 304'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT
 DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE AND CONTROL
 STRUCTURE GLOBAL RESPONSE
 SPECTRA, E-W HORIZONTAL,
 CHUG ASYMMETRIC
 FIGURE 3A-246



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

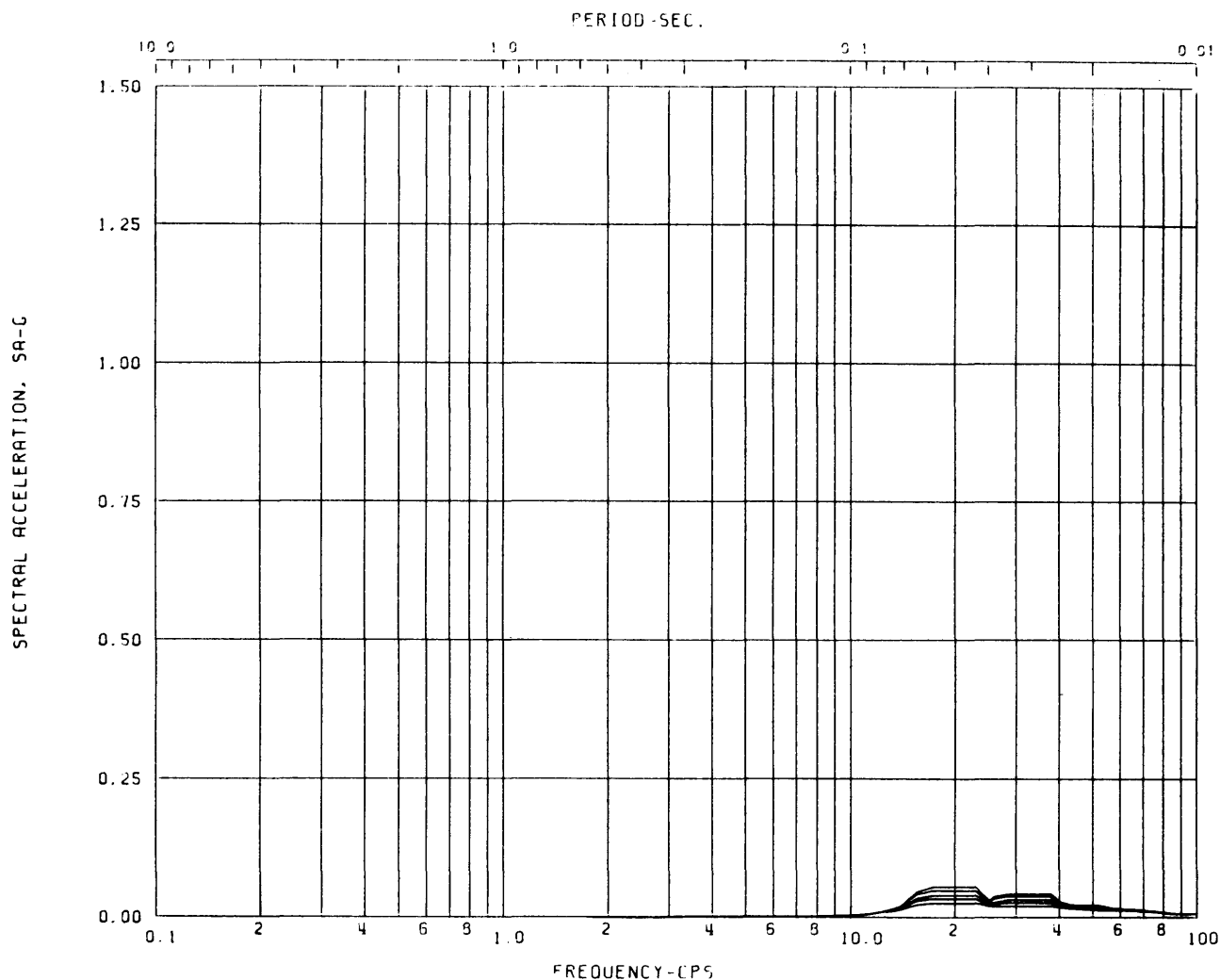
Node: 9 Direction: HORIZ E-W Elev: 313'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
CHUG ASYMMETRIC**

FIGURE 3A-247



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

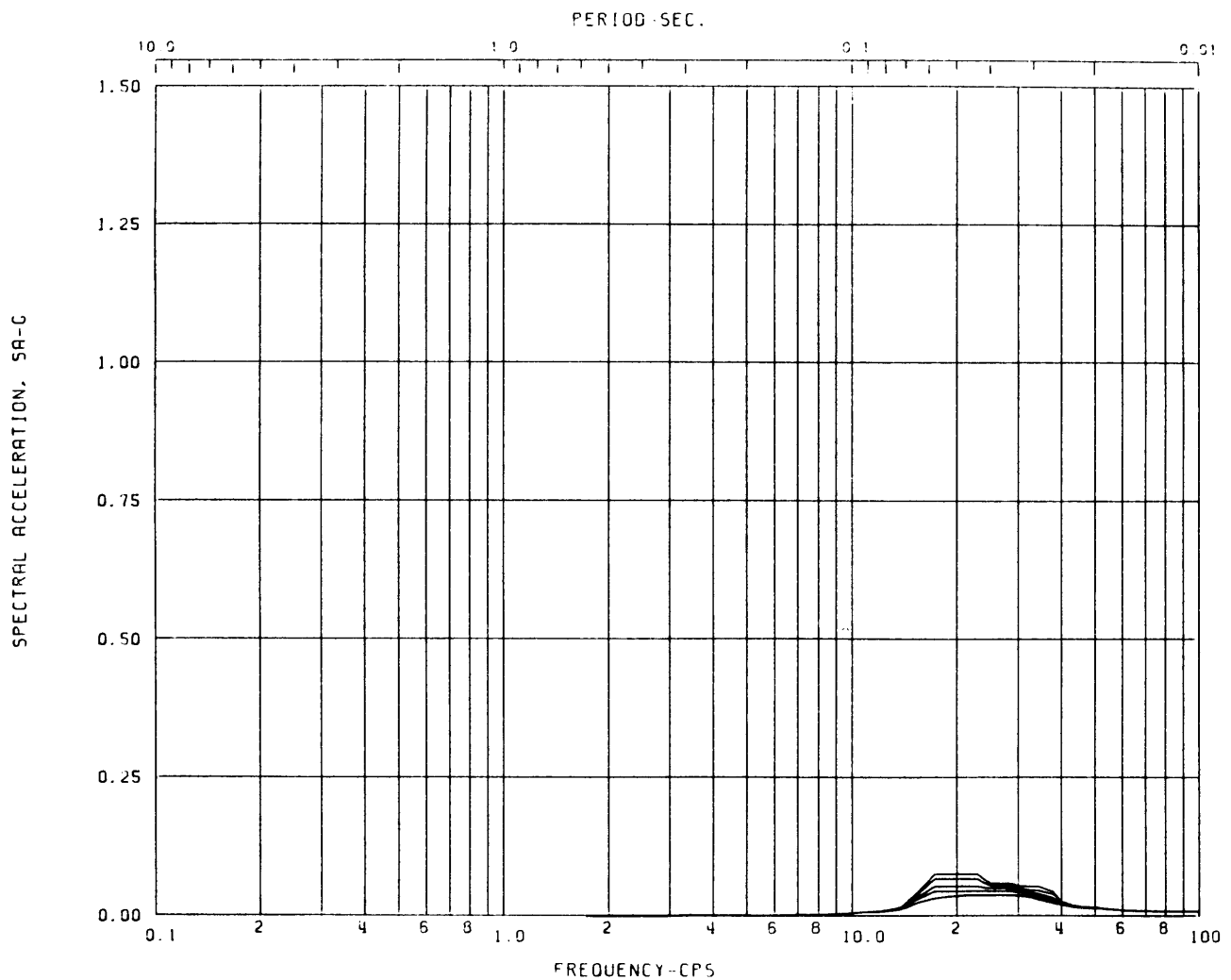
Node: 10 Direction: HORIZ E-W Elev: 332'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
CHUG ASYMMETRIC**

FIGURE 3A-248



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

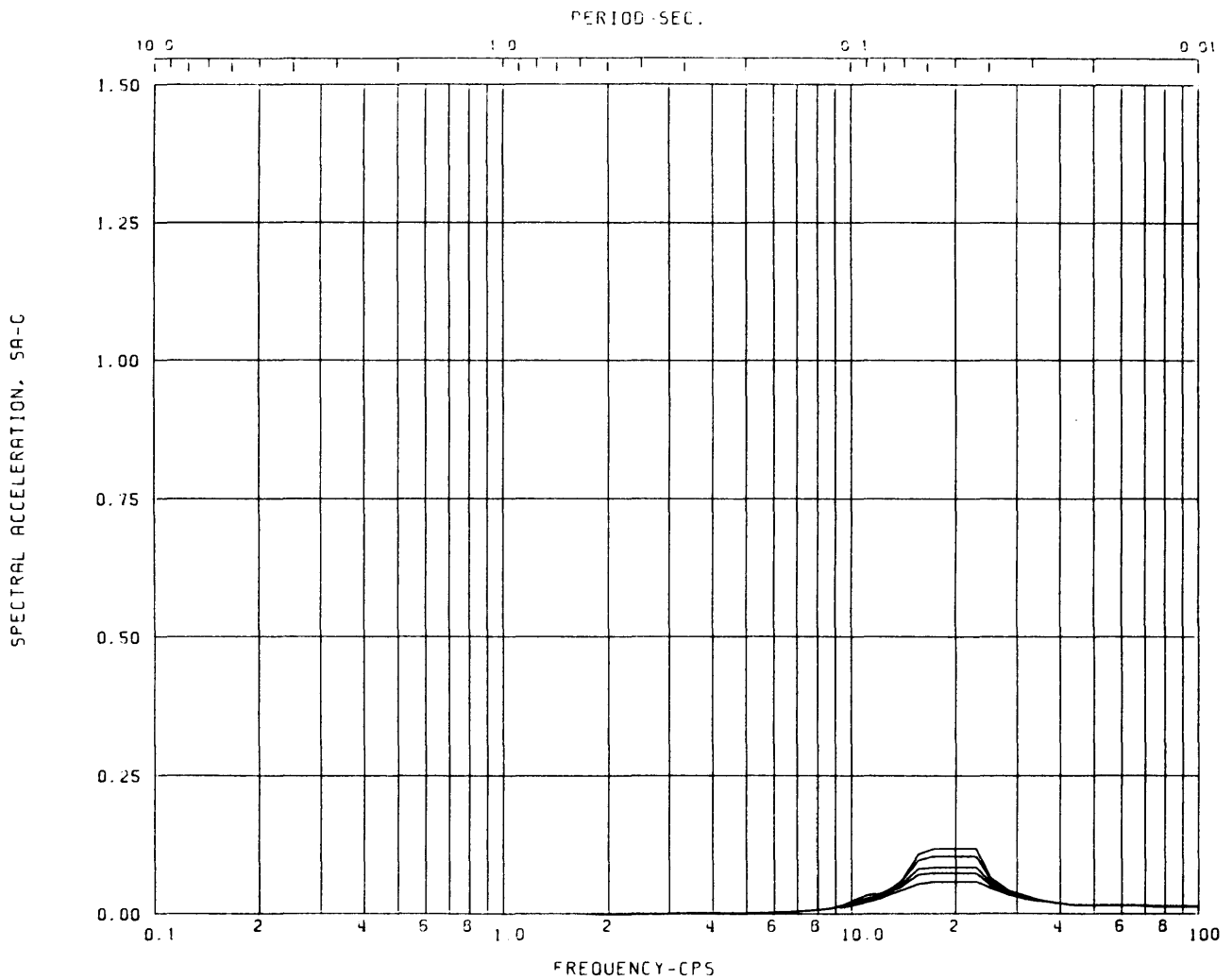
Node: 11 Direction: HORIZ E-W Elev: 352'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
CHUG ASYMMETRIC

FIGURE 3A-249



Acceleration Spectra for REACTOR ENCL., CONTROL STRUCTURE

Load Case: ASYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

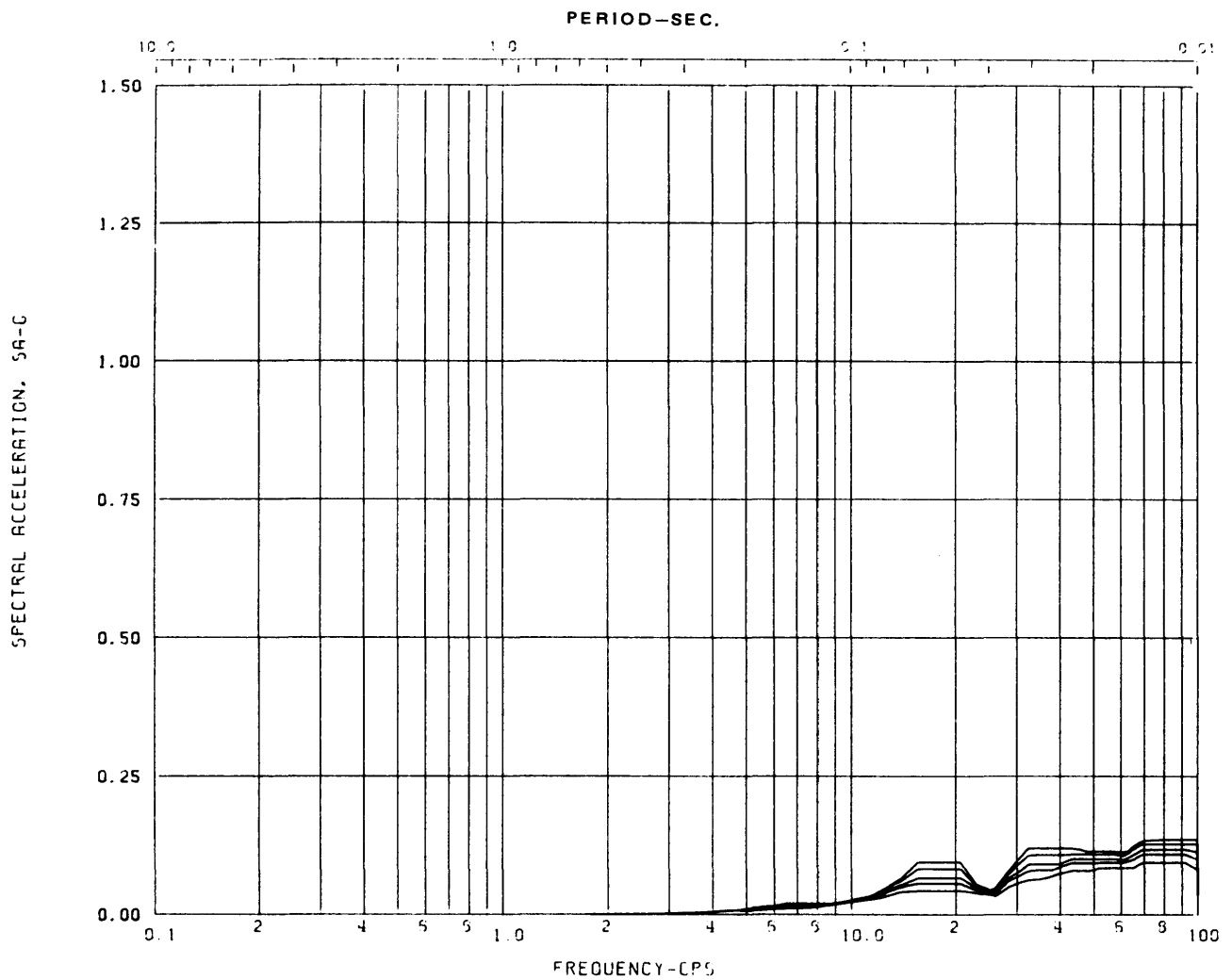
Node: 12 Direction: HORIZ E-W Elev: 410'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE AND CONTROL
STRUCTURE GLOBAL RESPONSE
SPECTRA, E-W HORIZONTAL,
CHUG ASYMMETRIC**

FIGURE 3A-250



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIFS ENVELOPE (WIDENED - 15%)

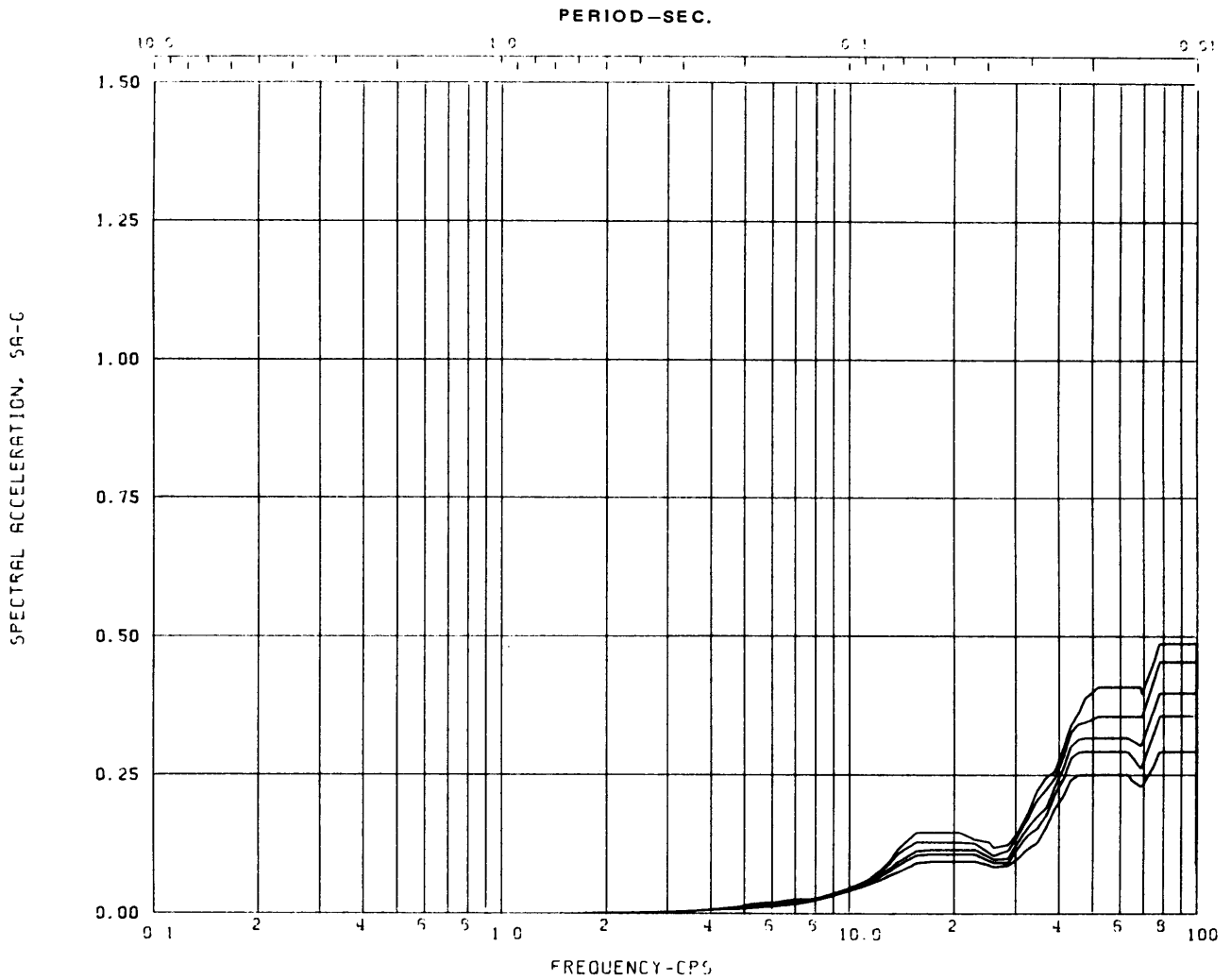
Node: 159 Direction: VERTICAL Elev: 177'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-251

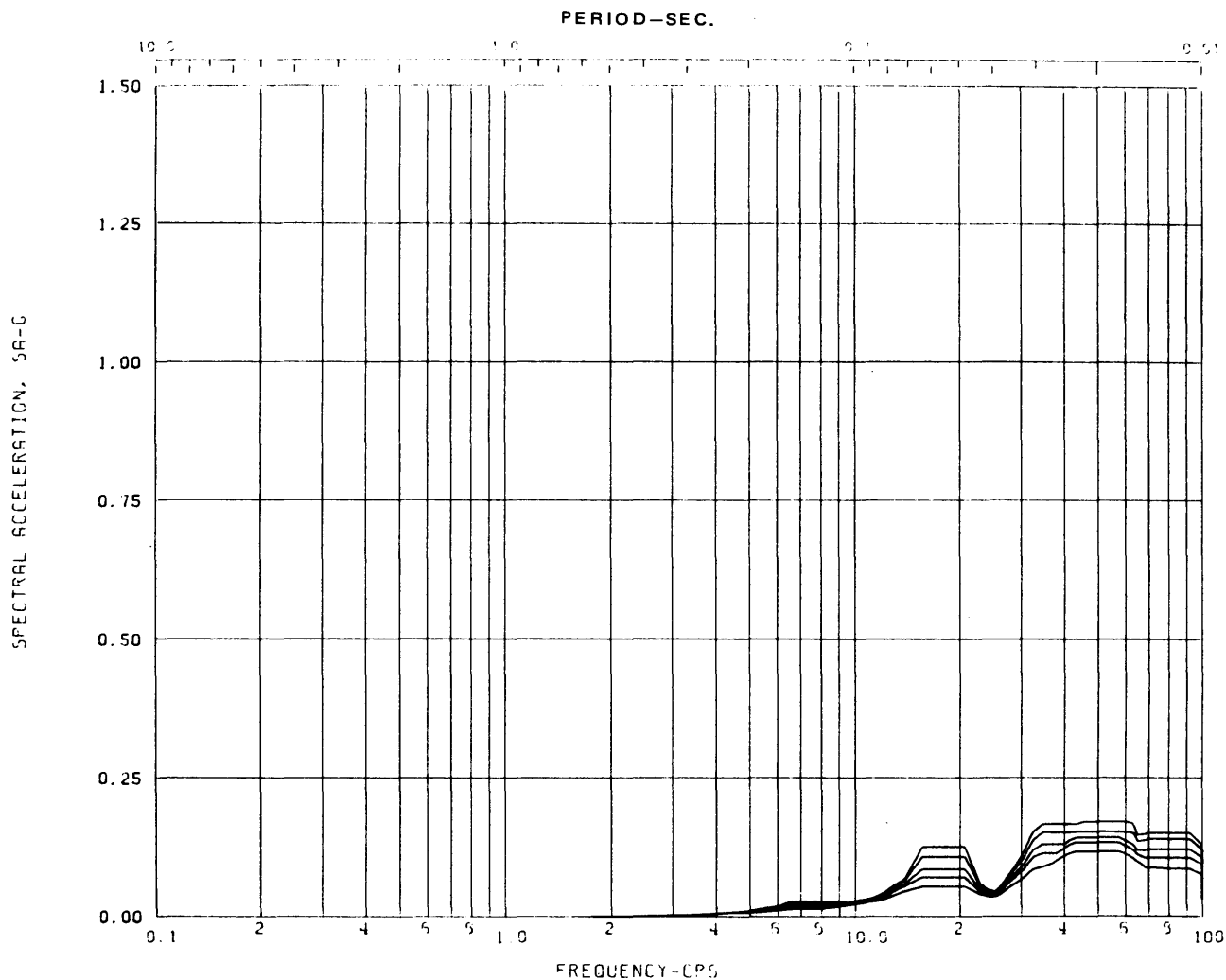


Acceleration Spectra for REACTOR ENCL.
 Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)
 Node: 154 Direction: VERTICAL Elev: 177'
 Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE GLOBAL
 RESPONSE SPECTRA, VERTICAL,
 CHUG AXISYMMETRIC

FIGURE 3A-252



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

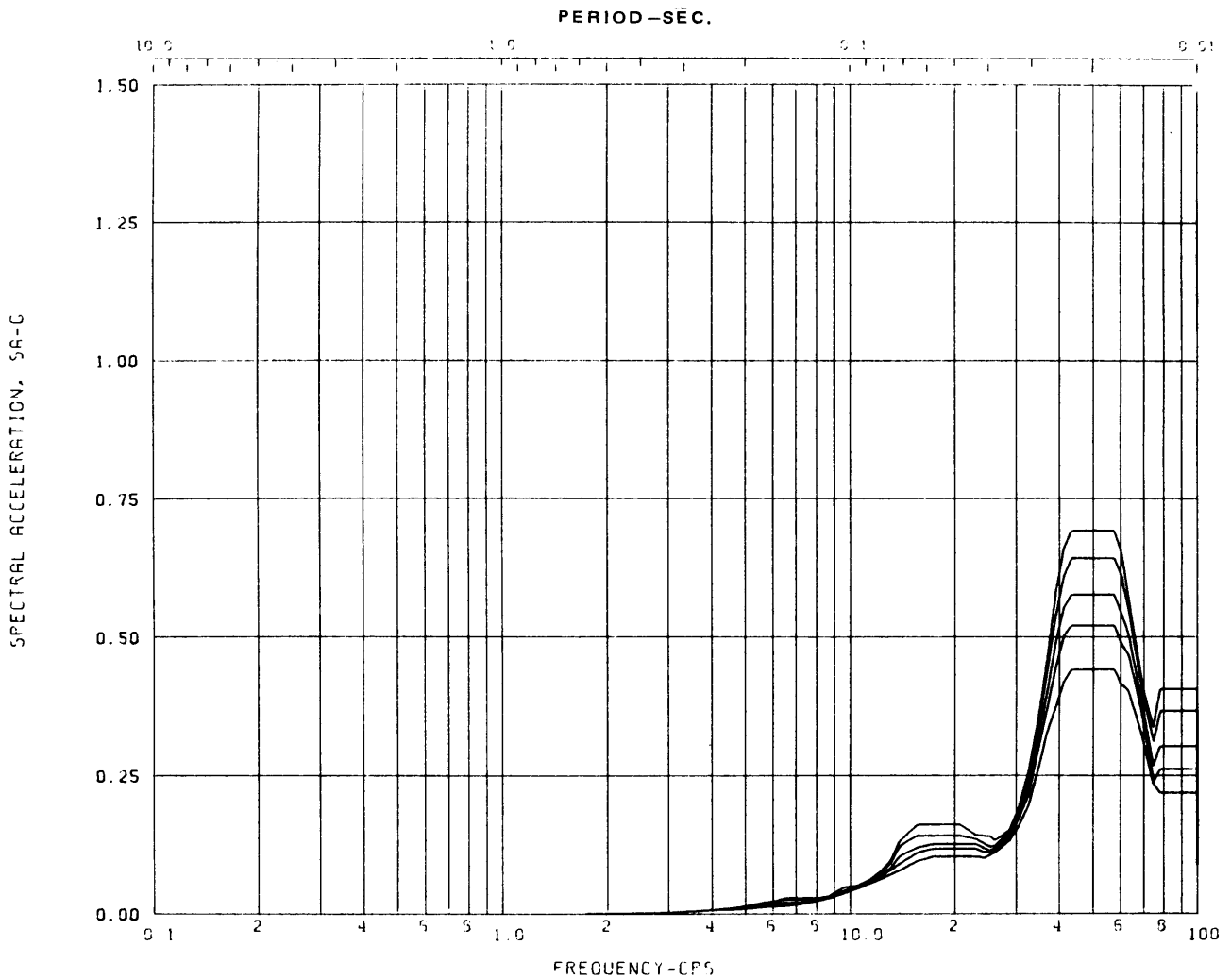
Node: 128 Direction: VERTICAL Elev: 201'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-253



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIFS ENVELOPE (WIDENED - 15%)

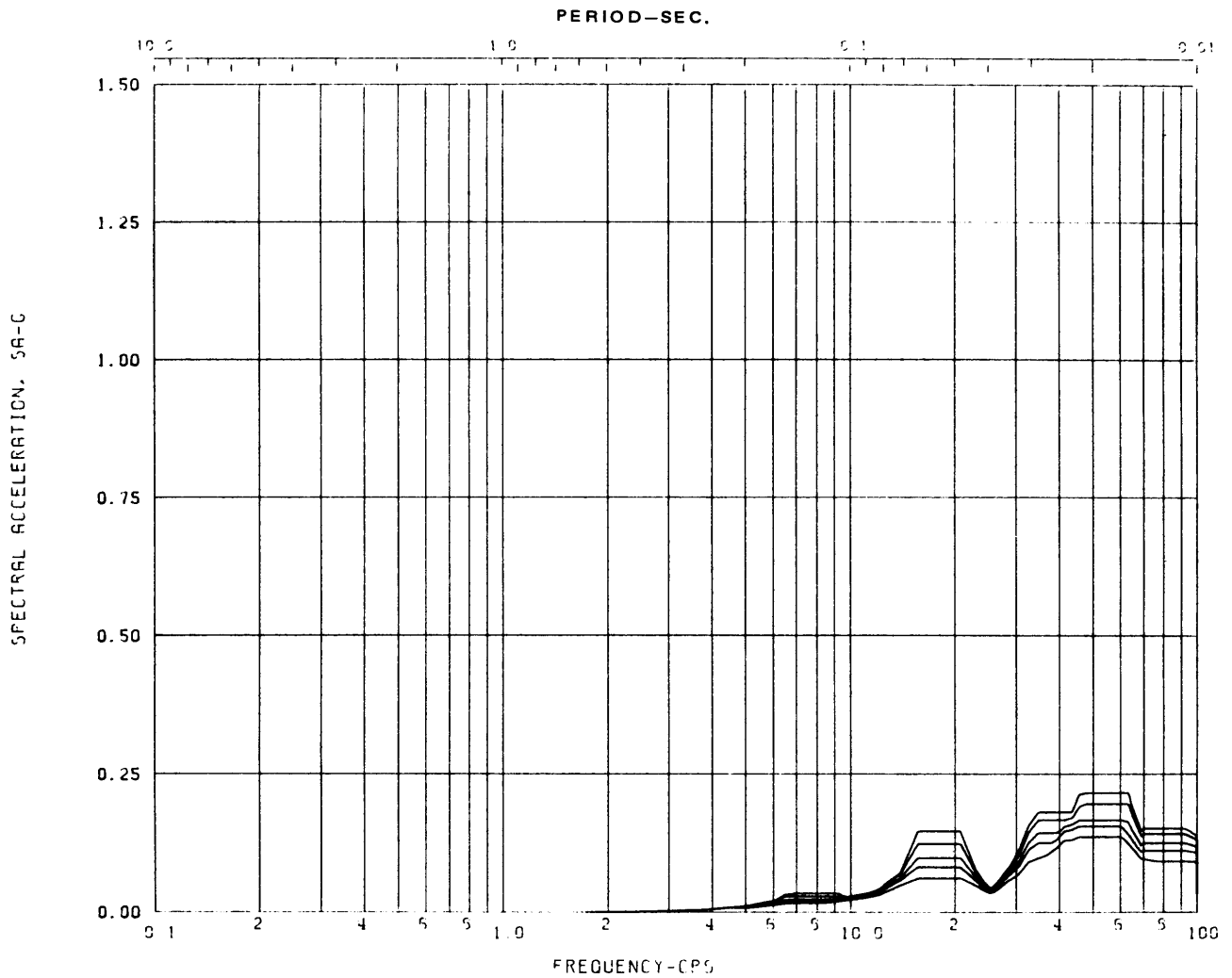
Node: 130 Direction: VERTICAL Elev: 201'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-254



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

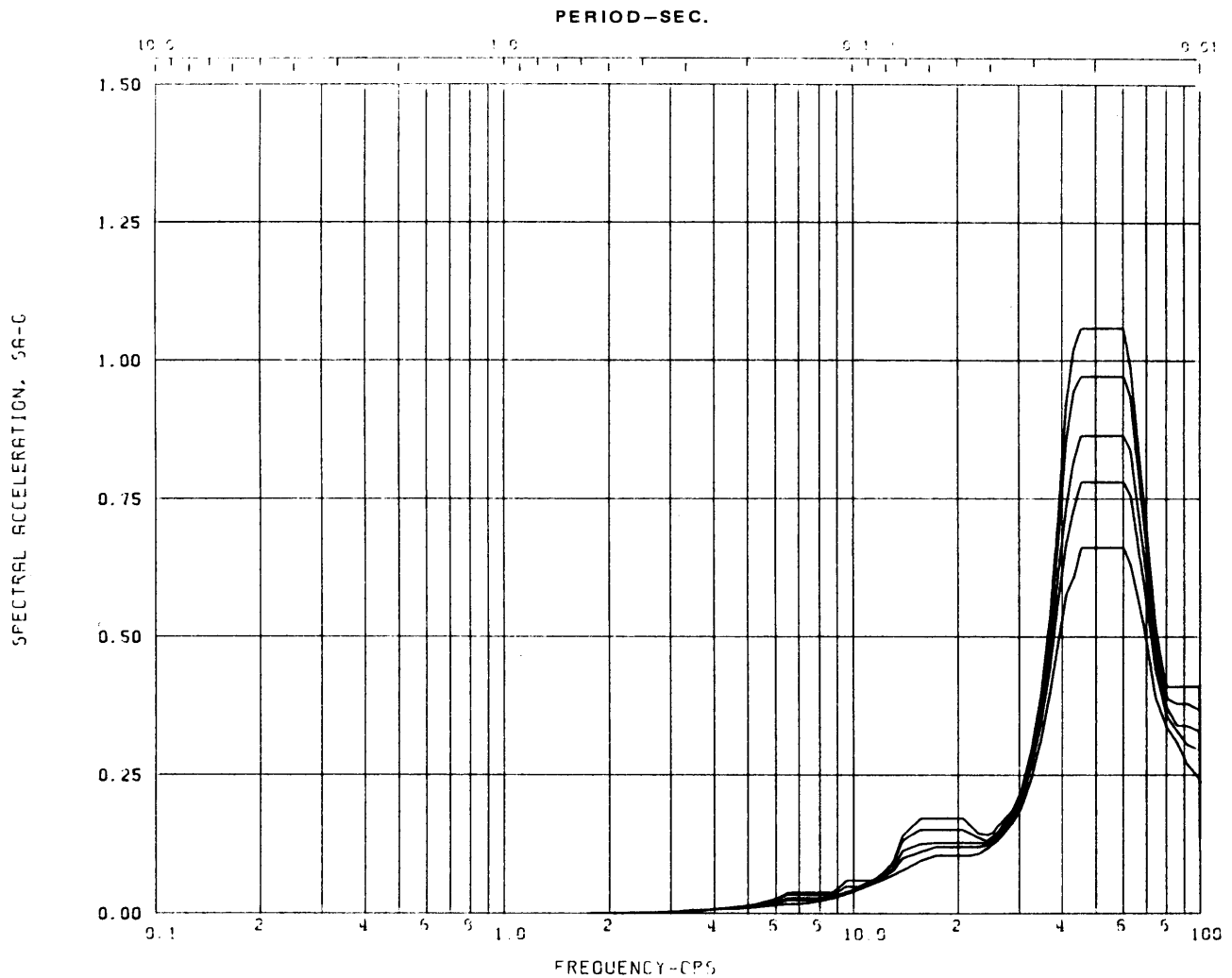
Node: 106 Direction: VERTICAL Elev: 217'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-255



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

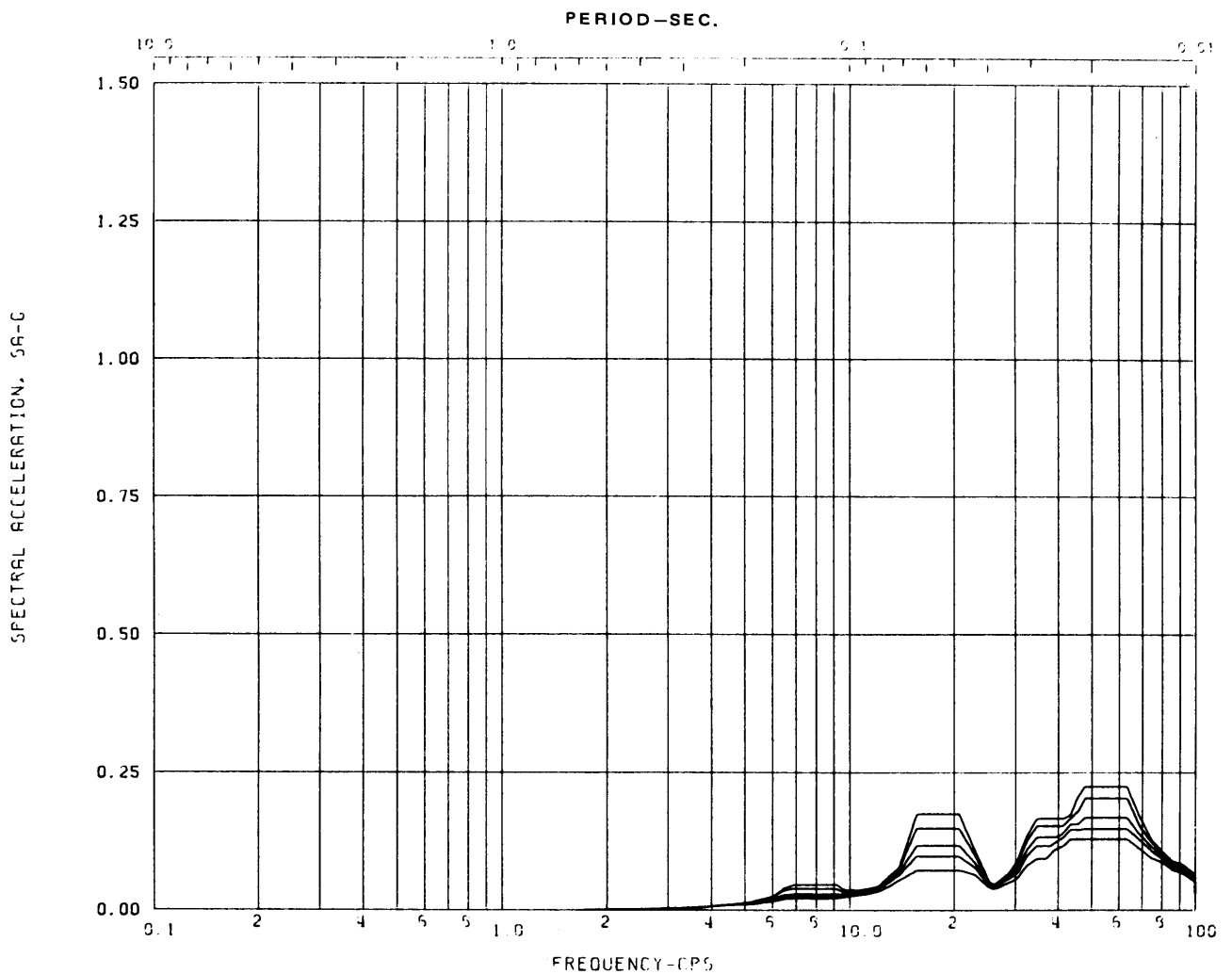
Node: 108 Direction: VERTICAL Elev: 217'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-256



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

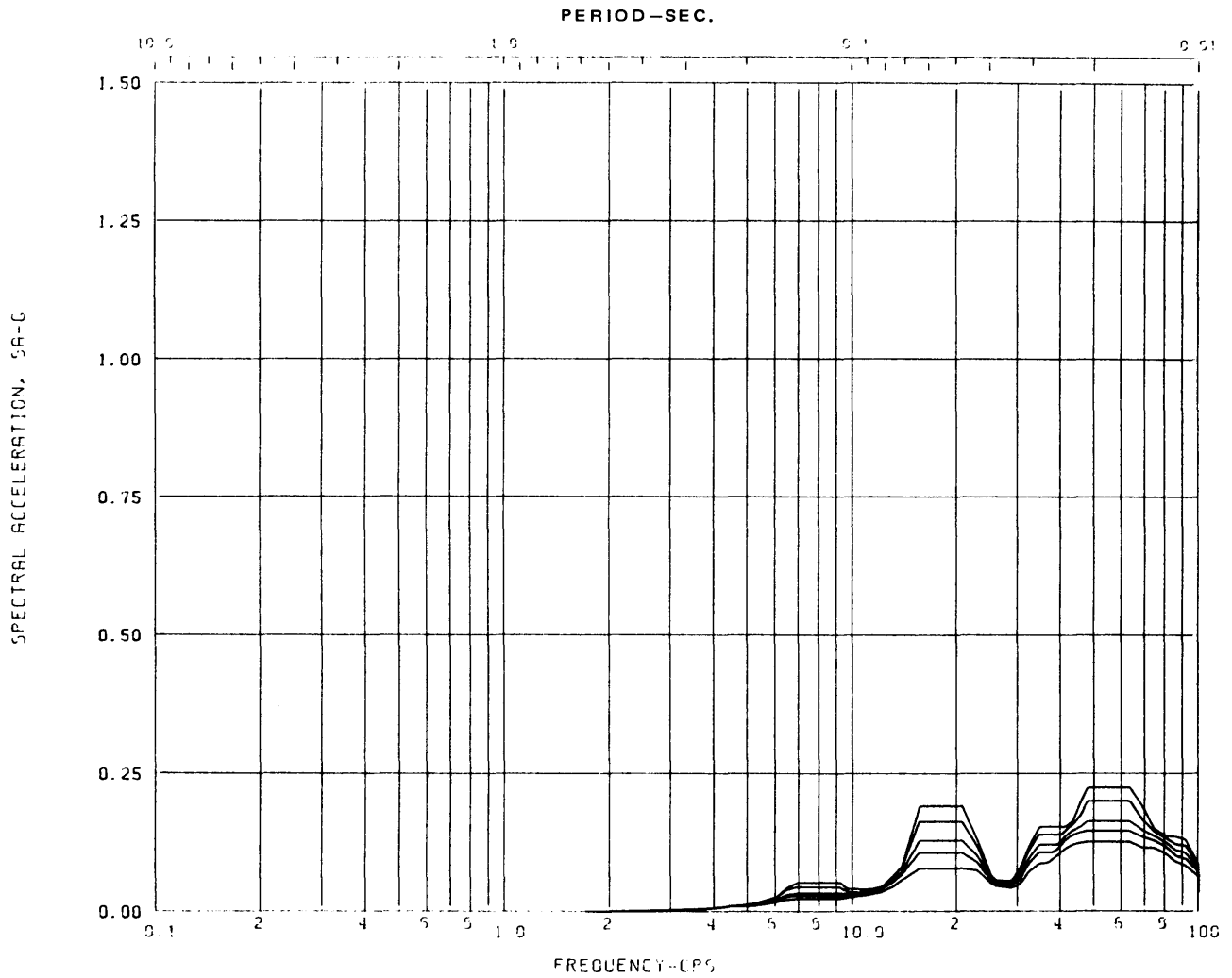
Node: 104 Direction: VERTICAL Elev: 239'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-257



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

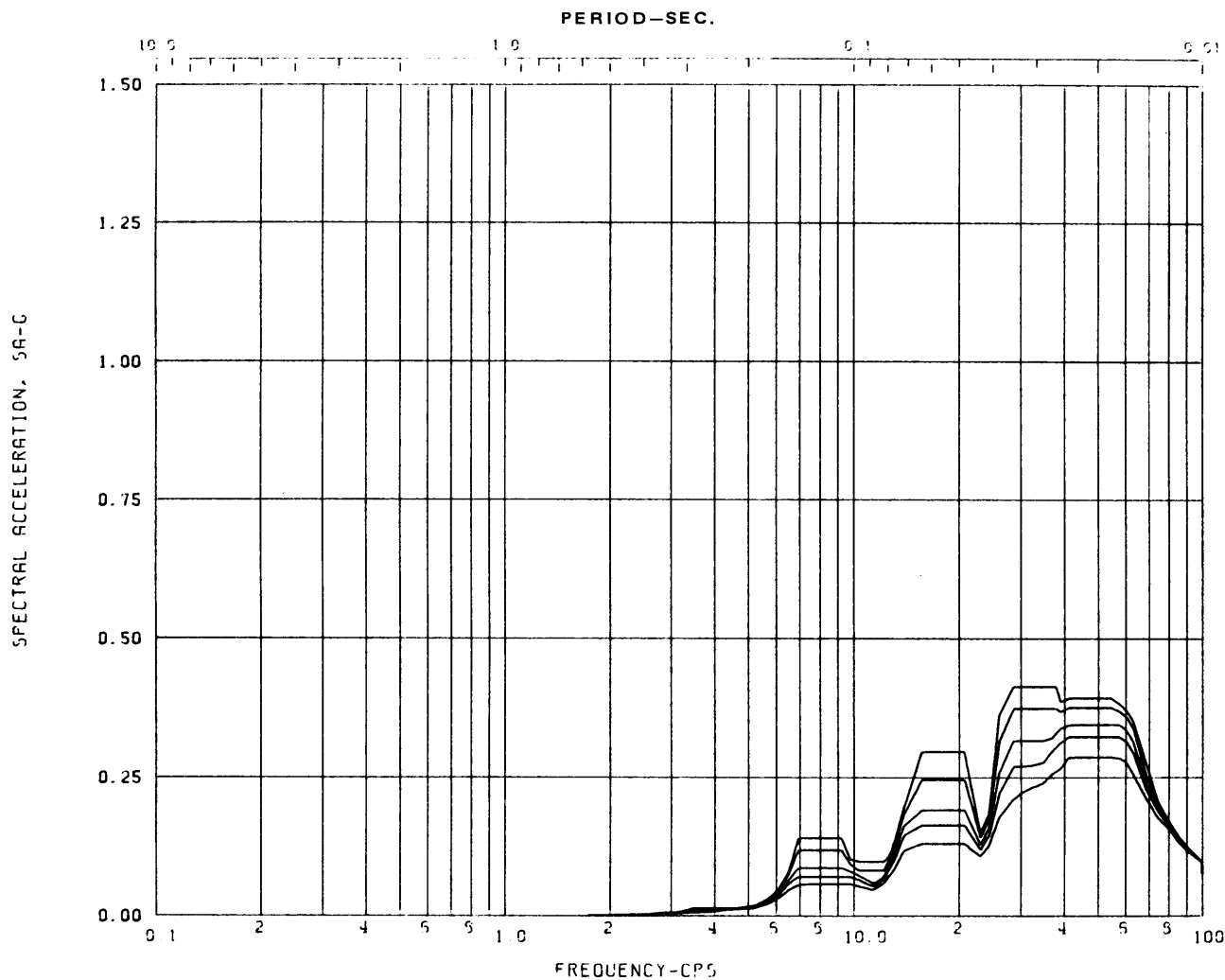
Node: 79 Direction: VERTICAL Elev: 253'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-258



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

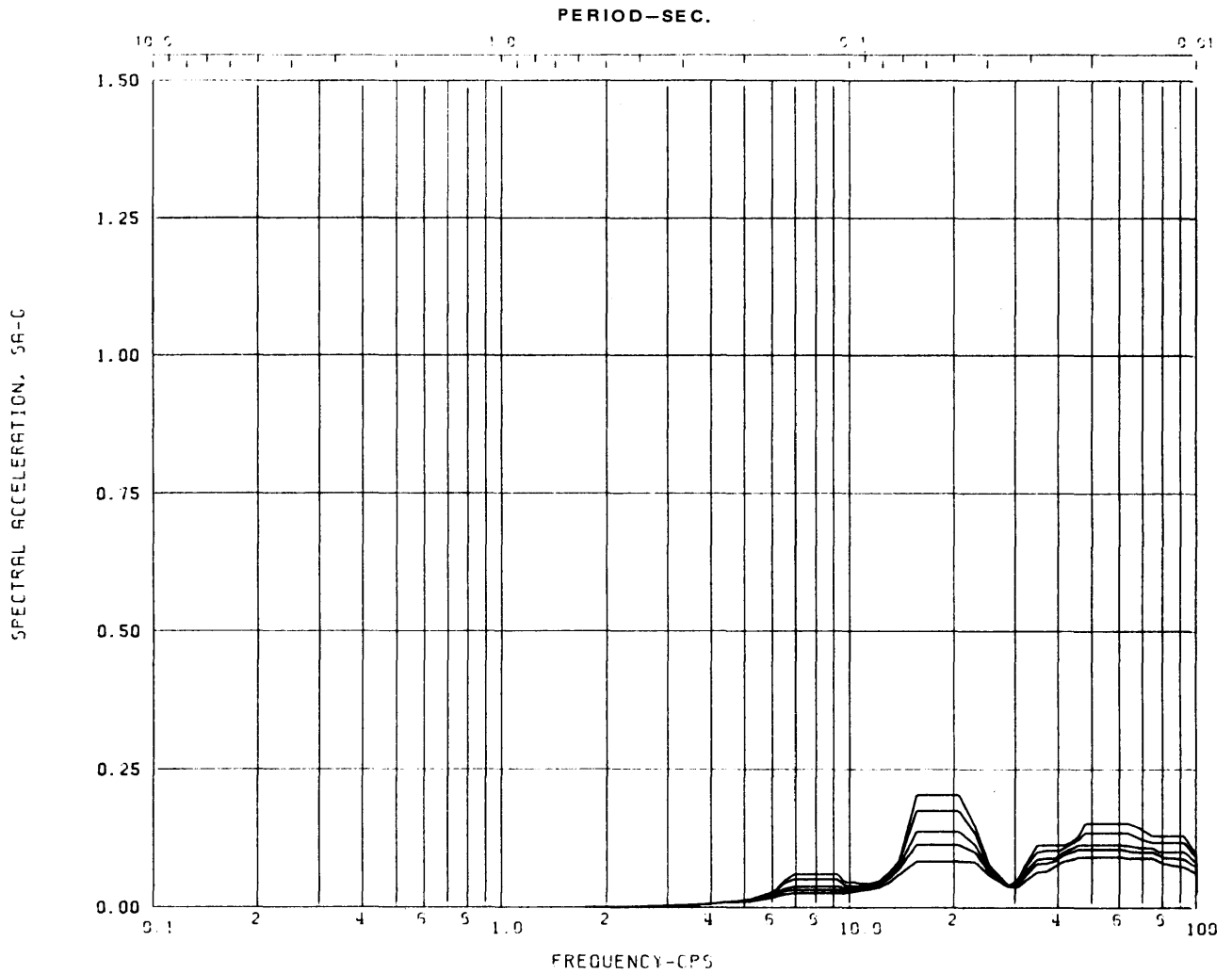
Node: 81 Direction: VERTICAL Elev: 253'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-259



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

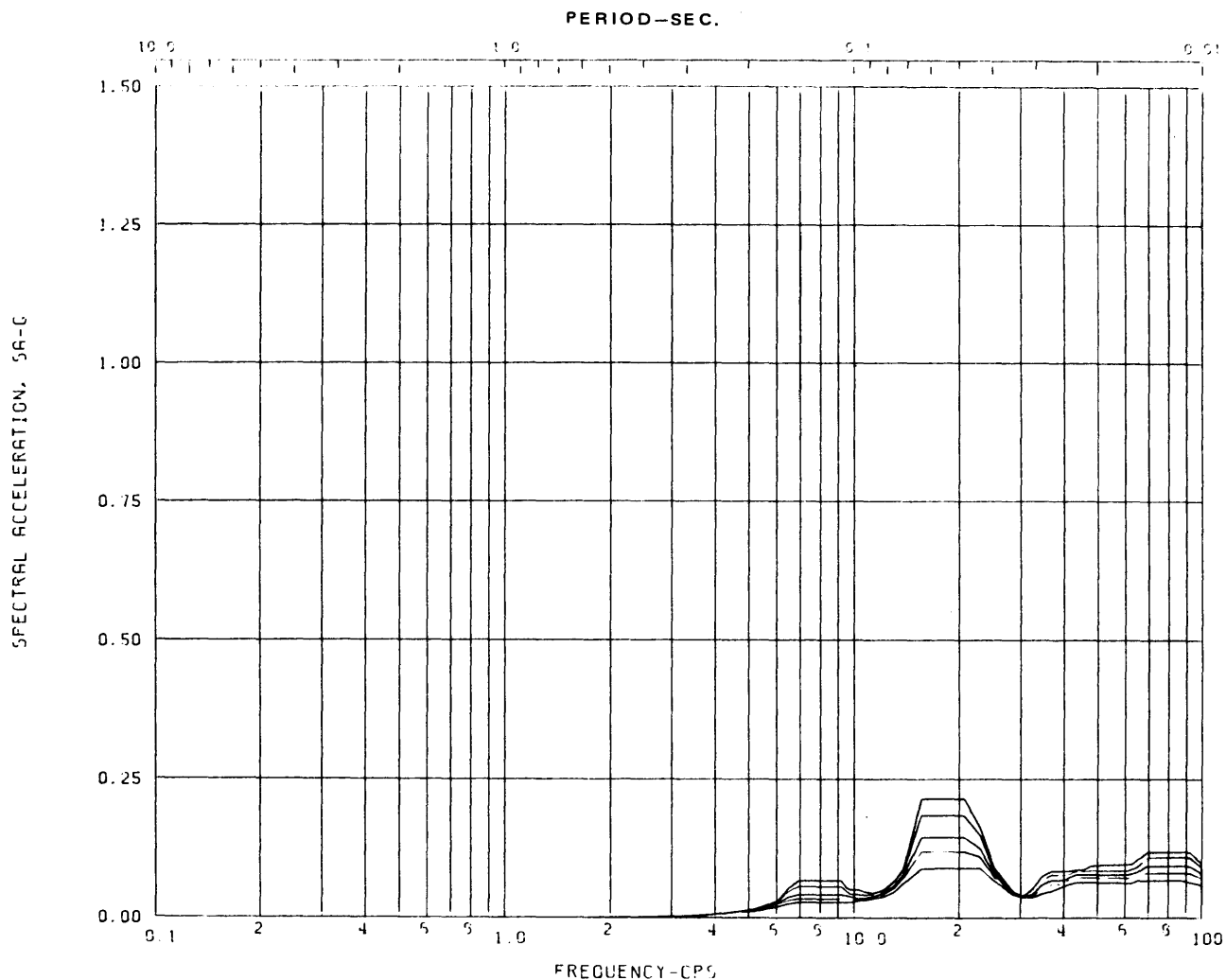
Node: 77 Direction: VERTICAL Elev: 269'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-260



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

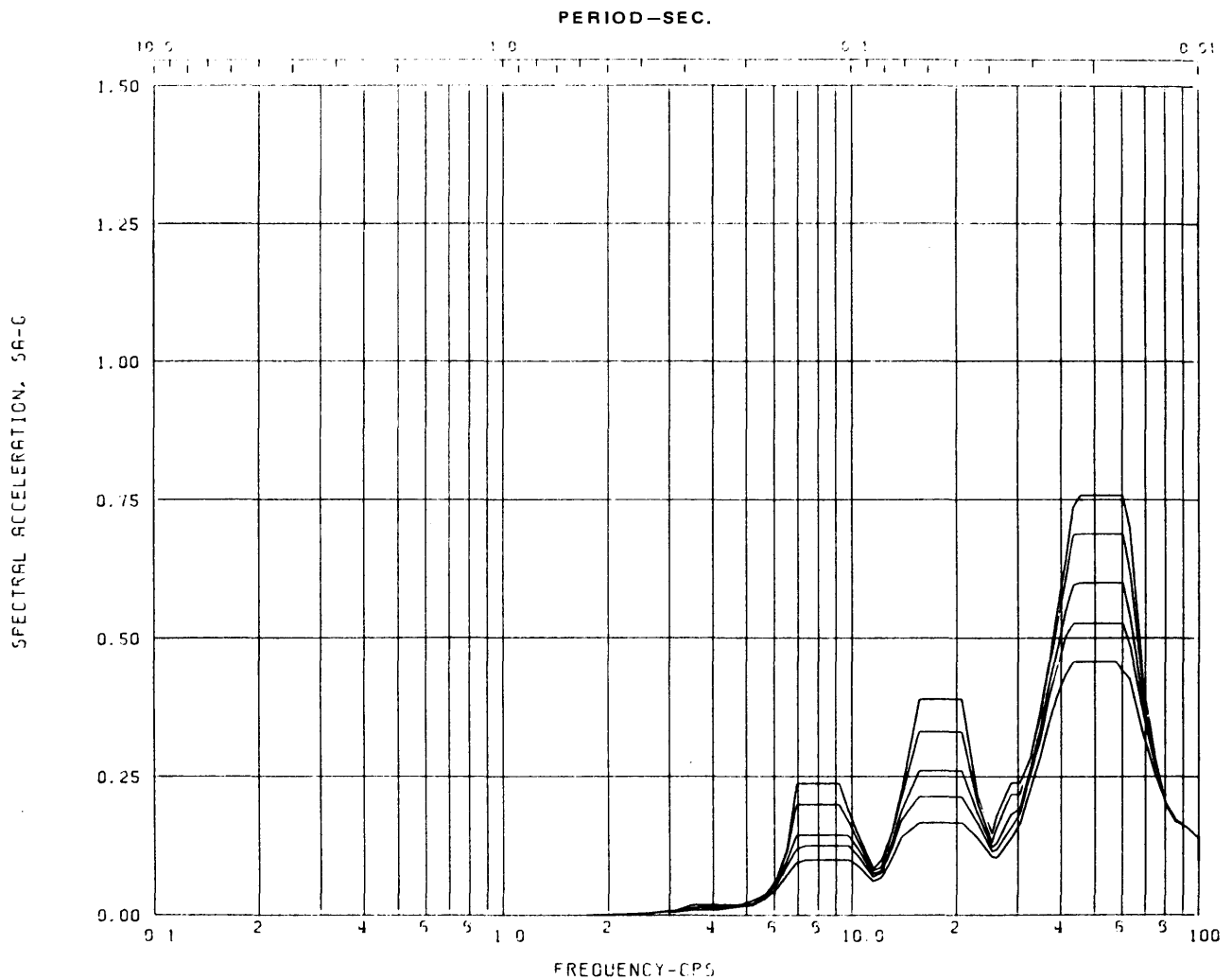
Node: 58 Direction: VERTICAL Elev: 283'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-261



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

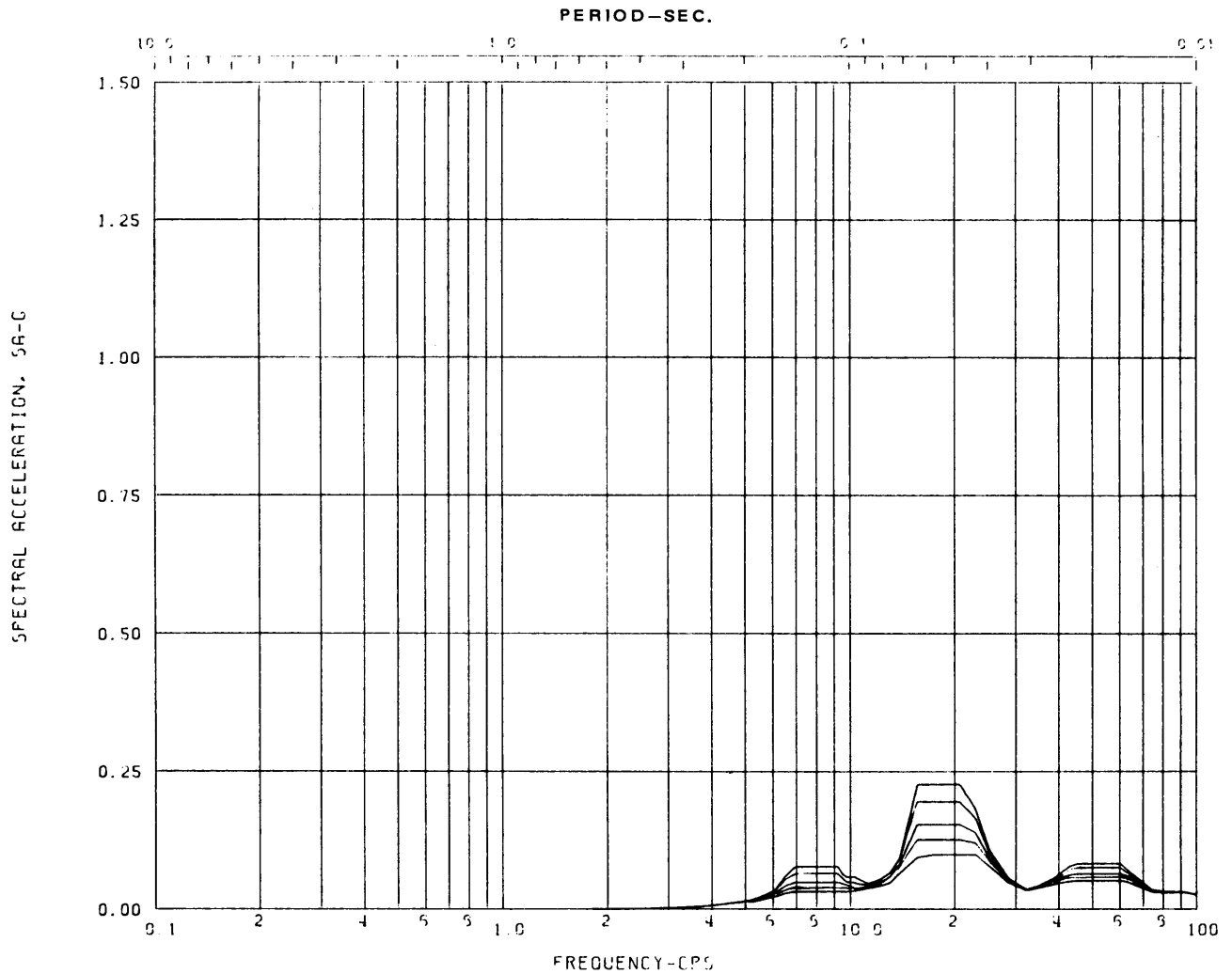
Node: 60 Direction: VERTICAL Elev: 283'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-262



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIFS ENVELOPE (WIDENED - 15%)

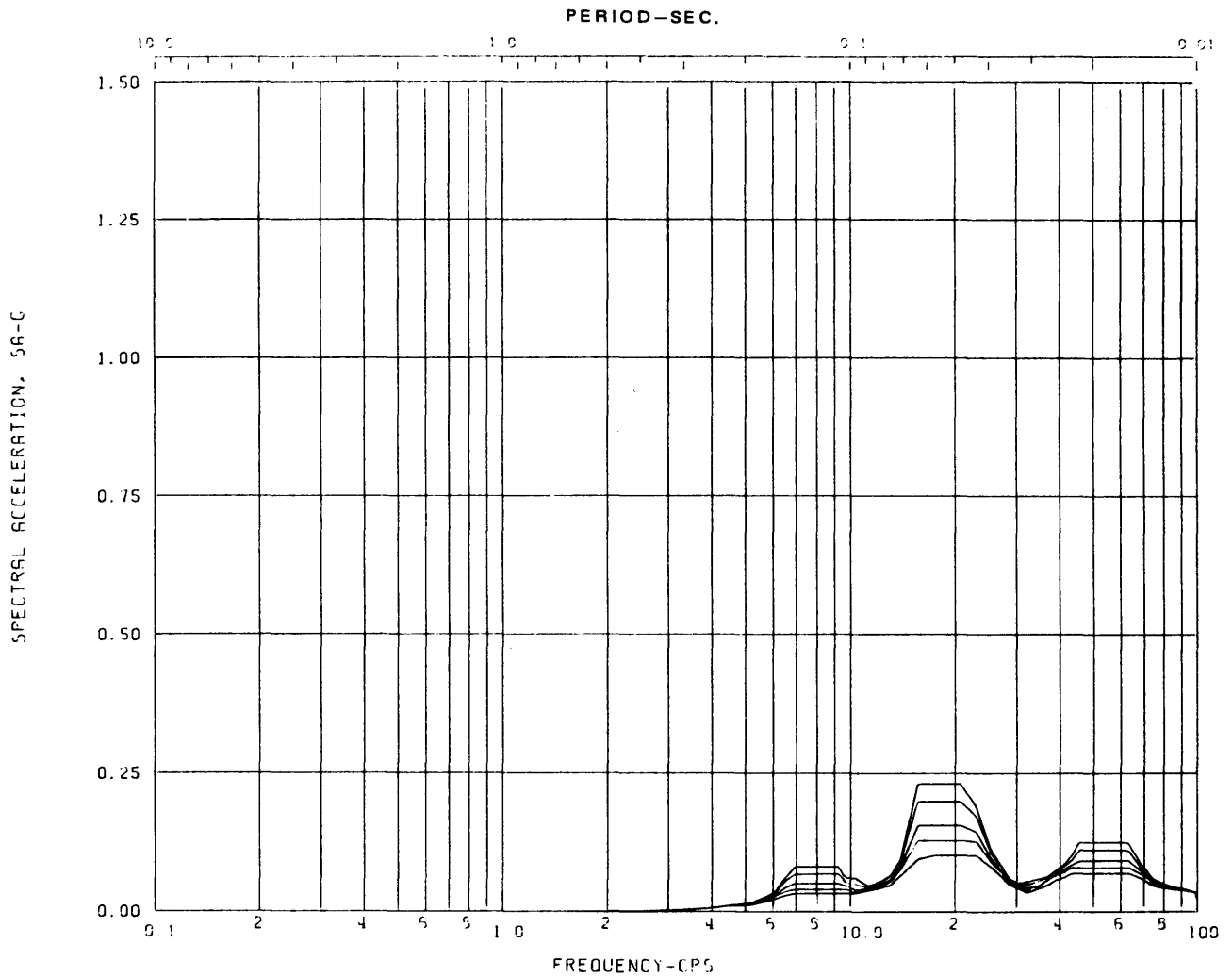
Node: 56 Direction: VERTICAL Elev: 304'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-263



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

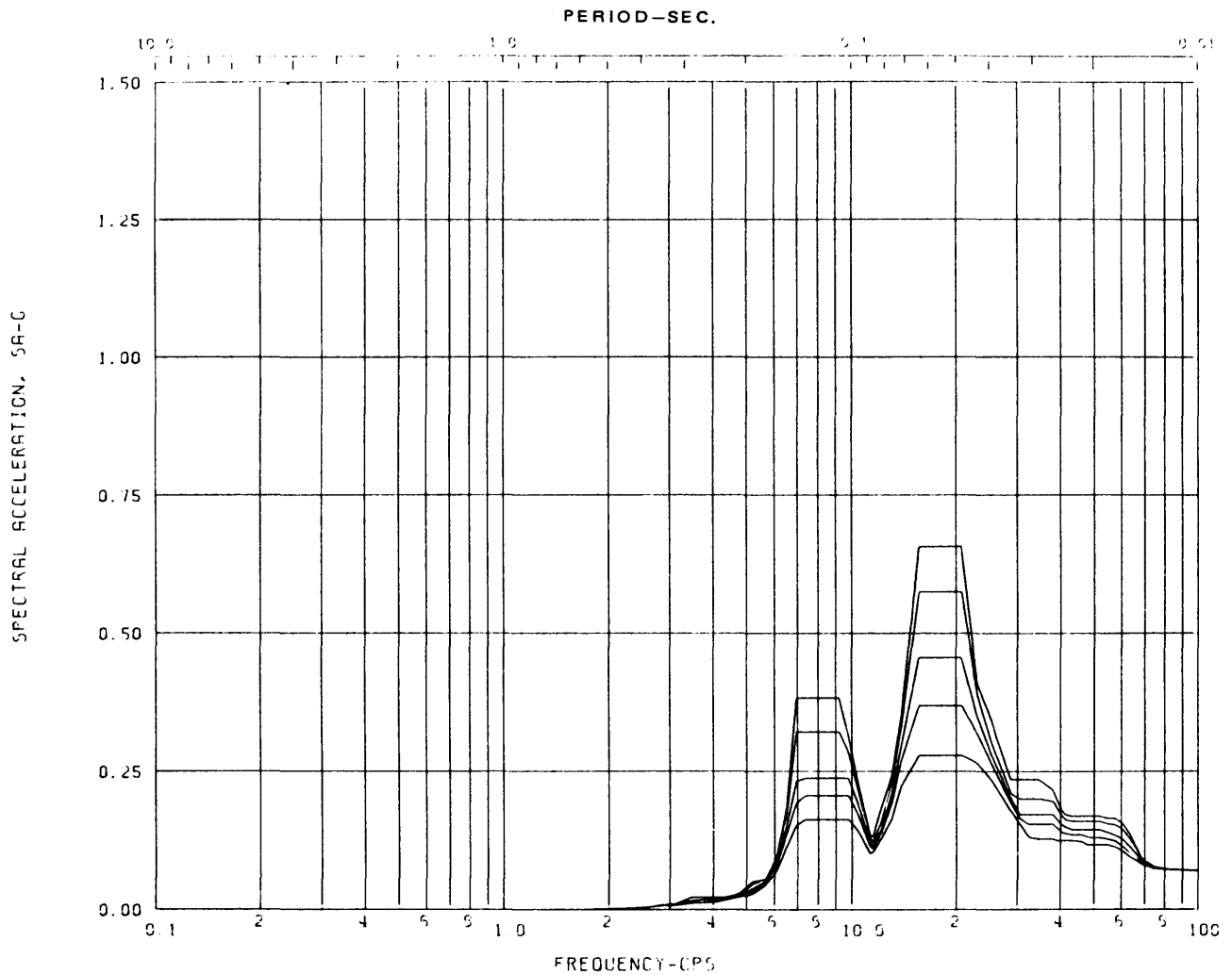
Node: 35 Direction: VERTICAL Elev: 313'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-264



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

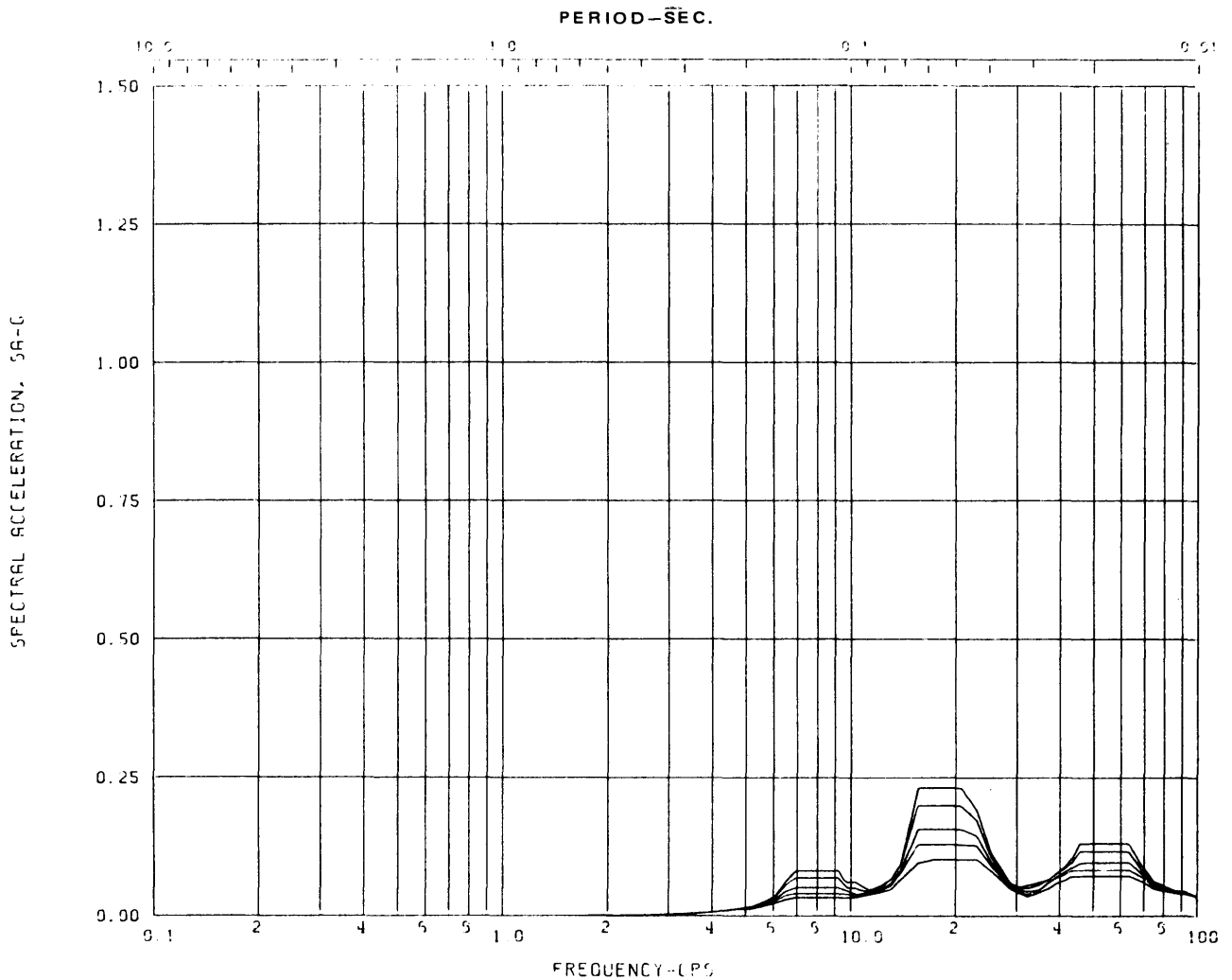
Node: 43 Direction: VERTICAL Elev: 313'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-265



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

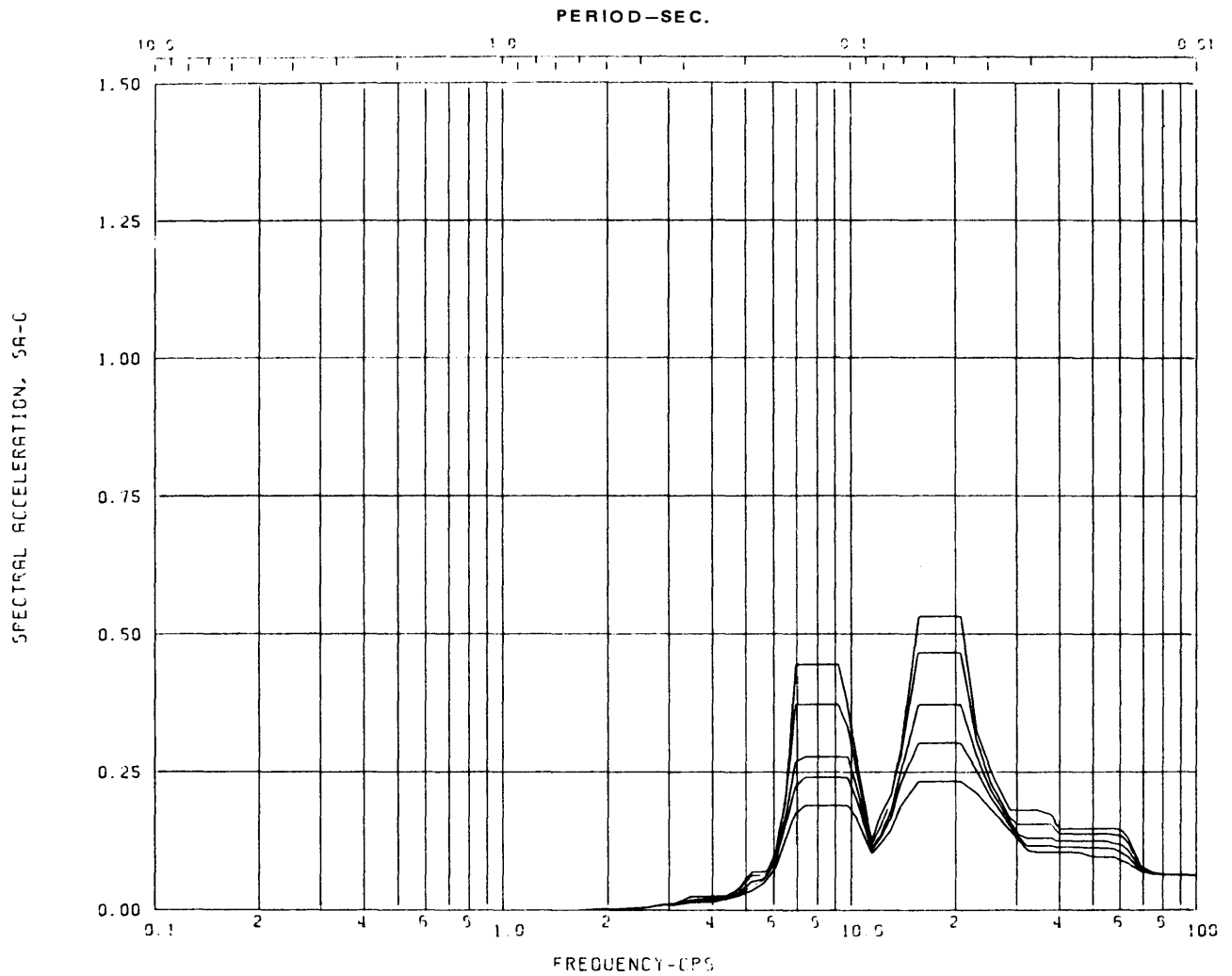
Node: 21 Direction: VERTICAL Elev: 333'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-266



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

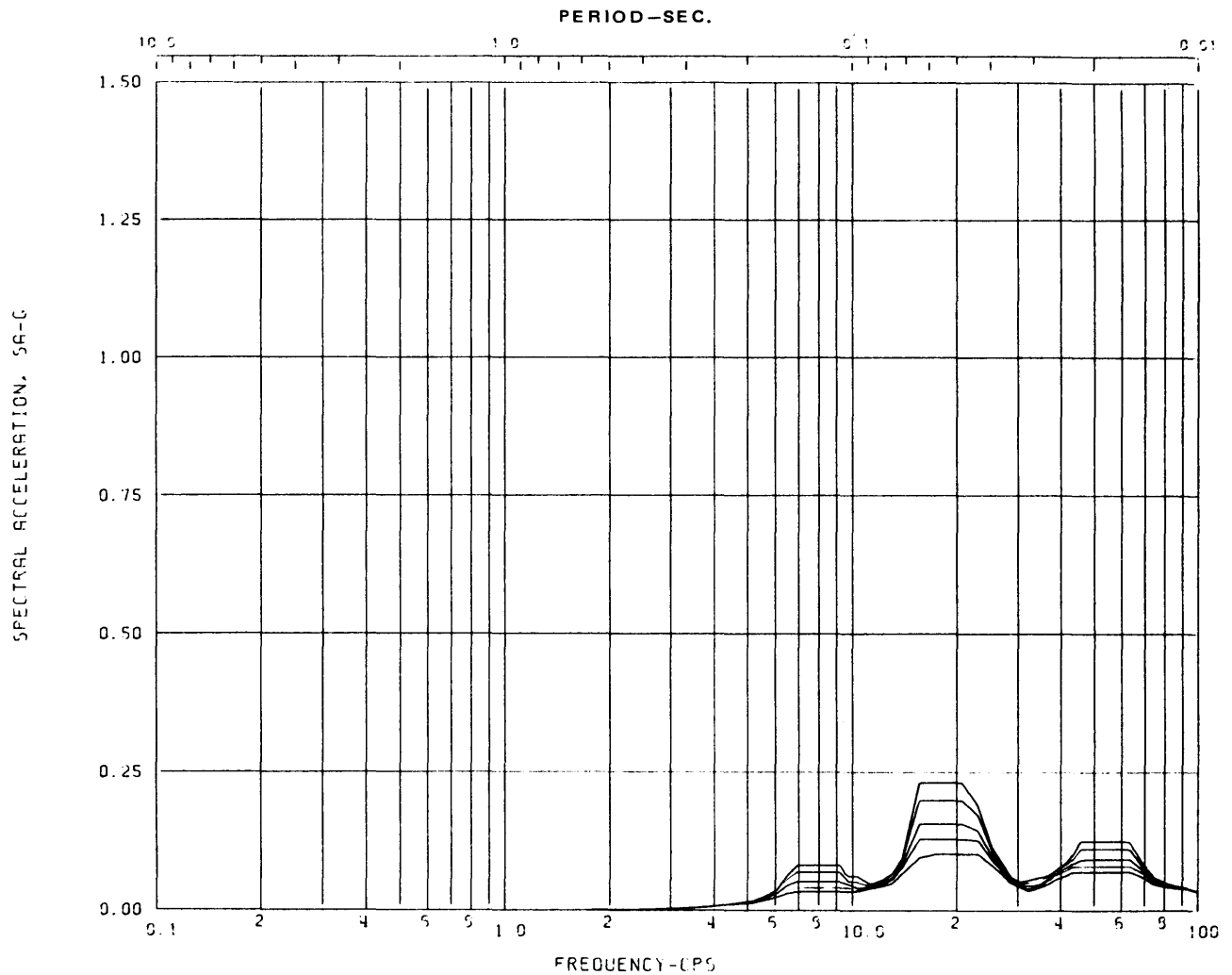
Node: 33 Direction: VERTICAL Elev: 333'

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-267



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

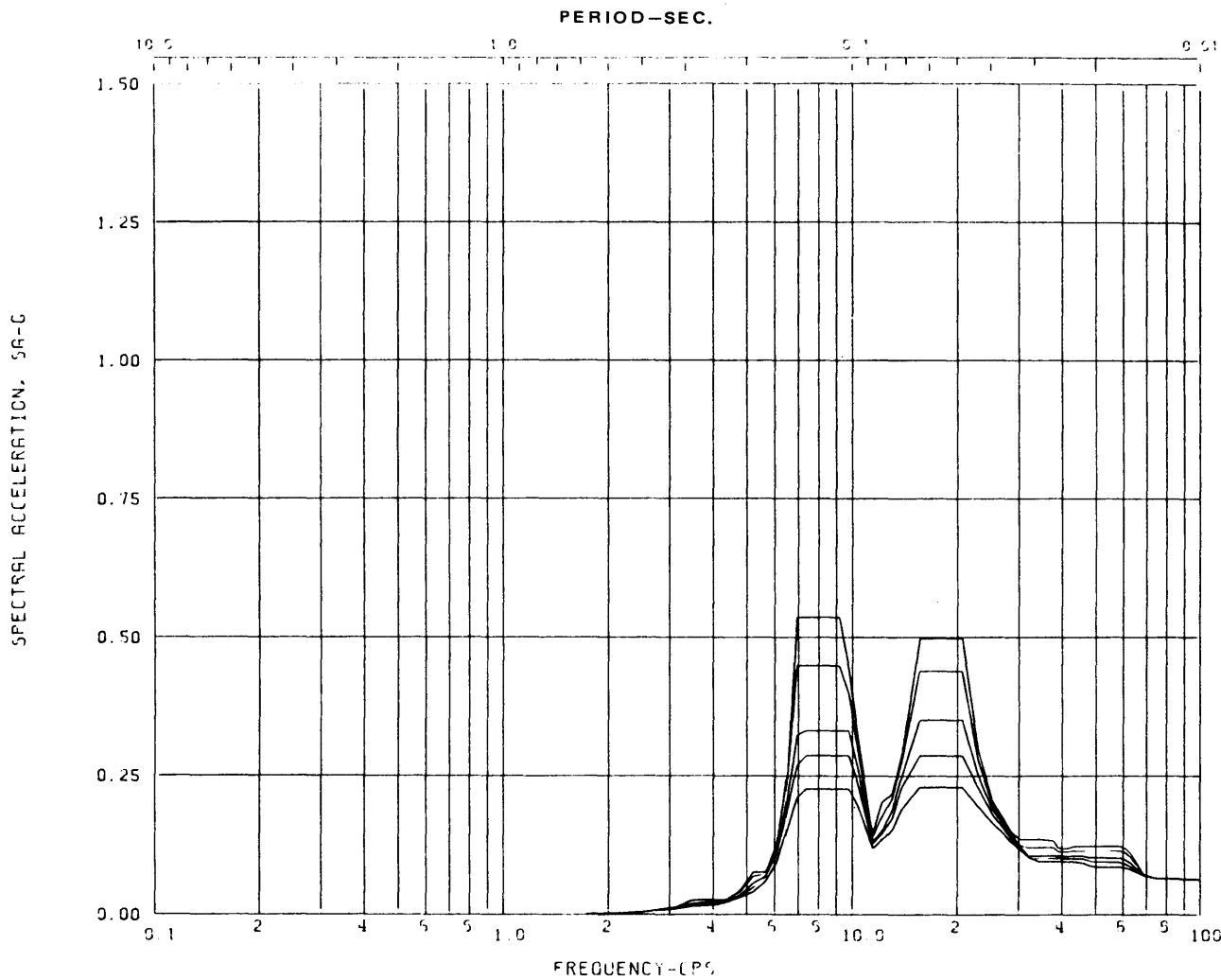
Node: 9 Direction: VERTICAL Elev: 352'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-268

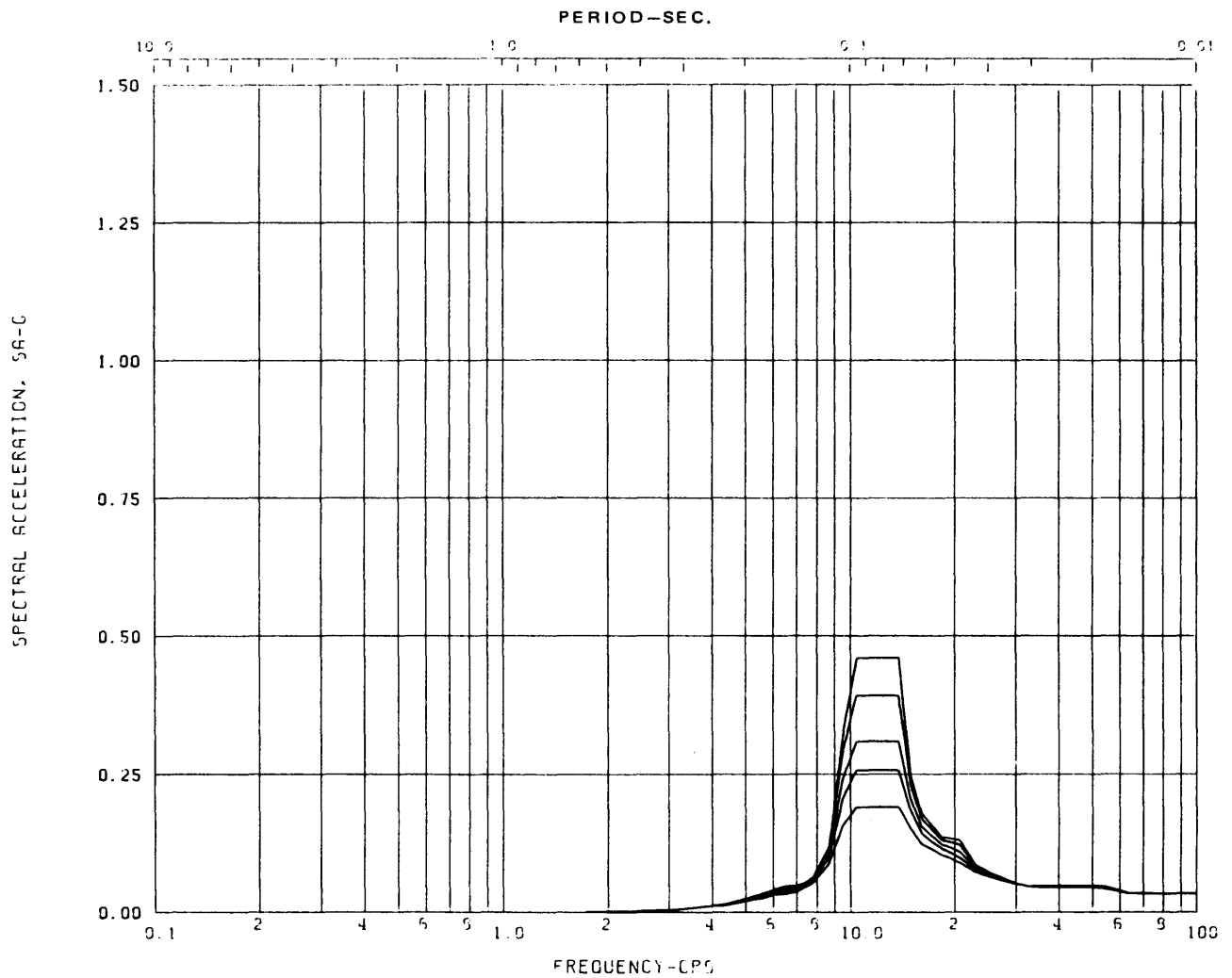


Acceleration Spectra for REACTOR ENCL.
 Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)
 Node: 13 Direction: VERTICAL Elev: 352'
 Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
 REACTOR ENCLOSURE GLOBAL
 RESPONSE SPECTRA, VERTICAL,
 CHUG AXISYMMETRIC**

FIGURE 3A-269



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIFS ENVELOPE (WIDENED - 15%)

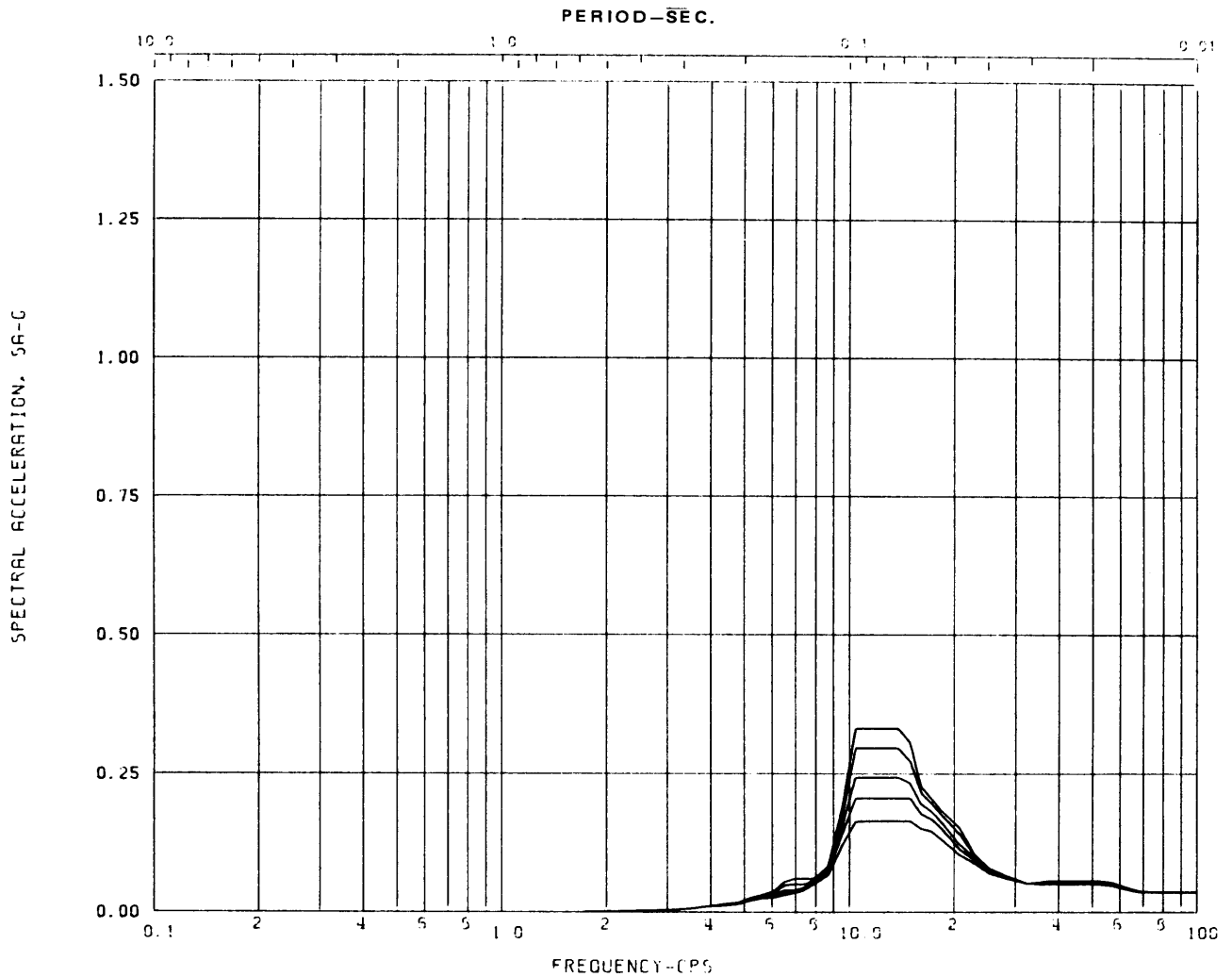
Node: 129 Direction: VERTICAL Elev: 201'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-270



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

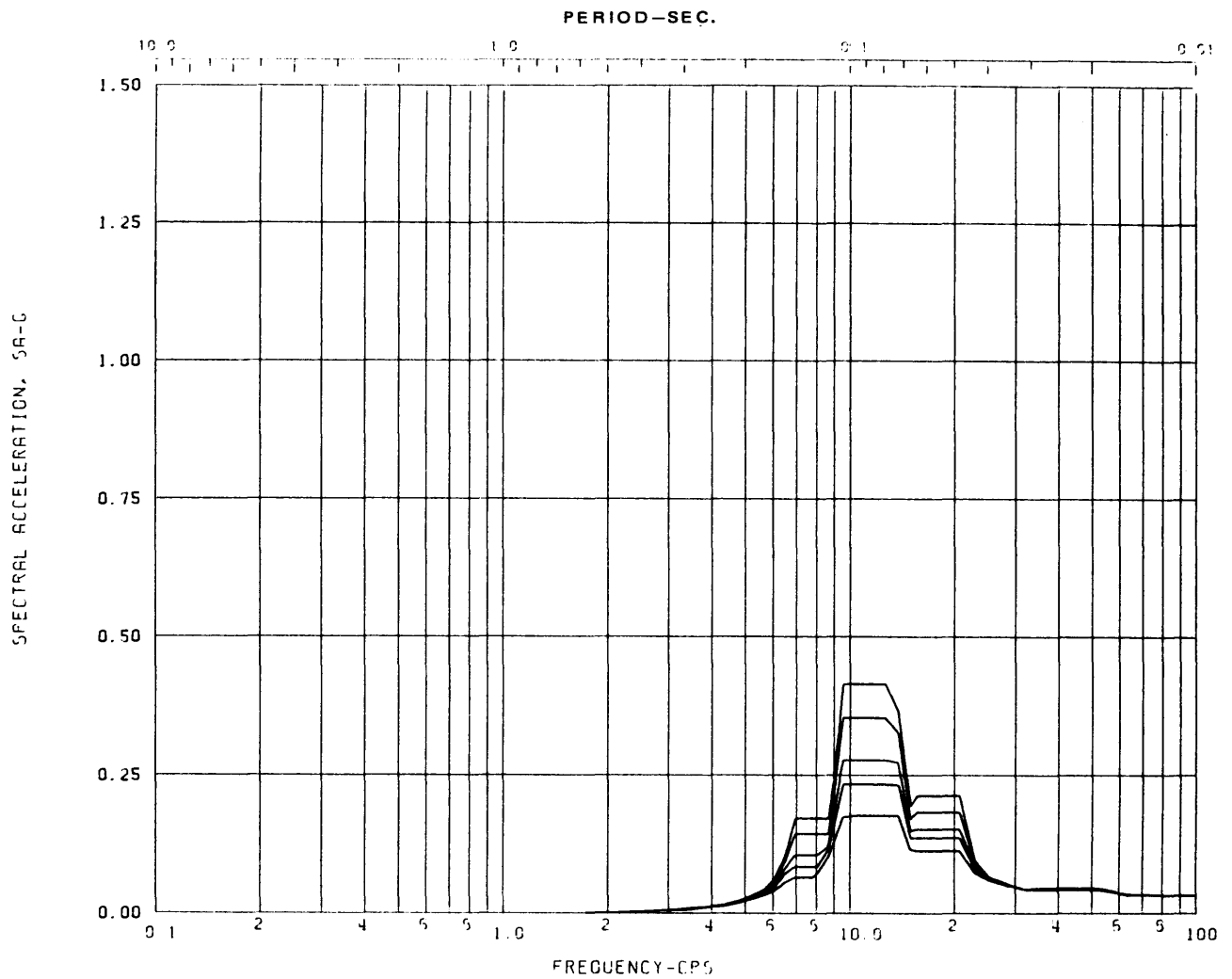
Node: 107 Direction: VERTICAL Elev: 217'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-271



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

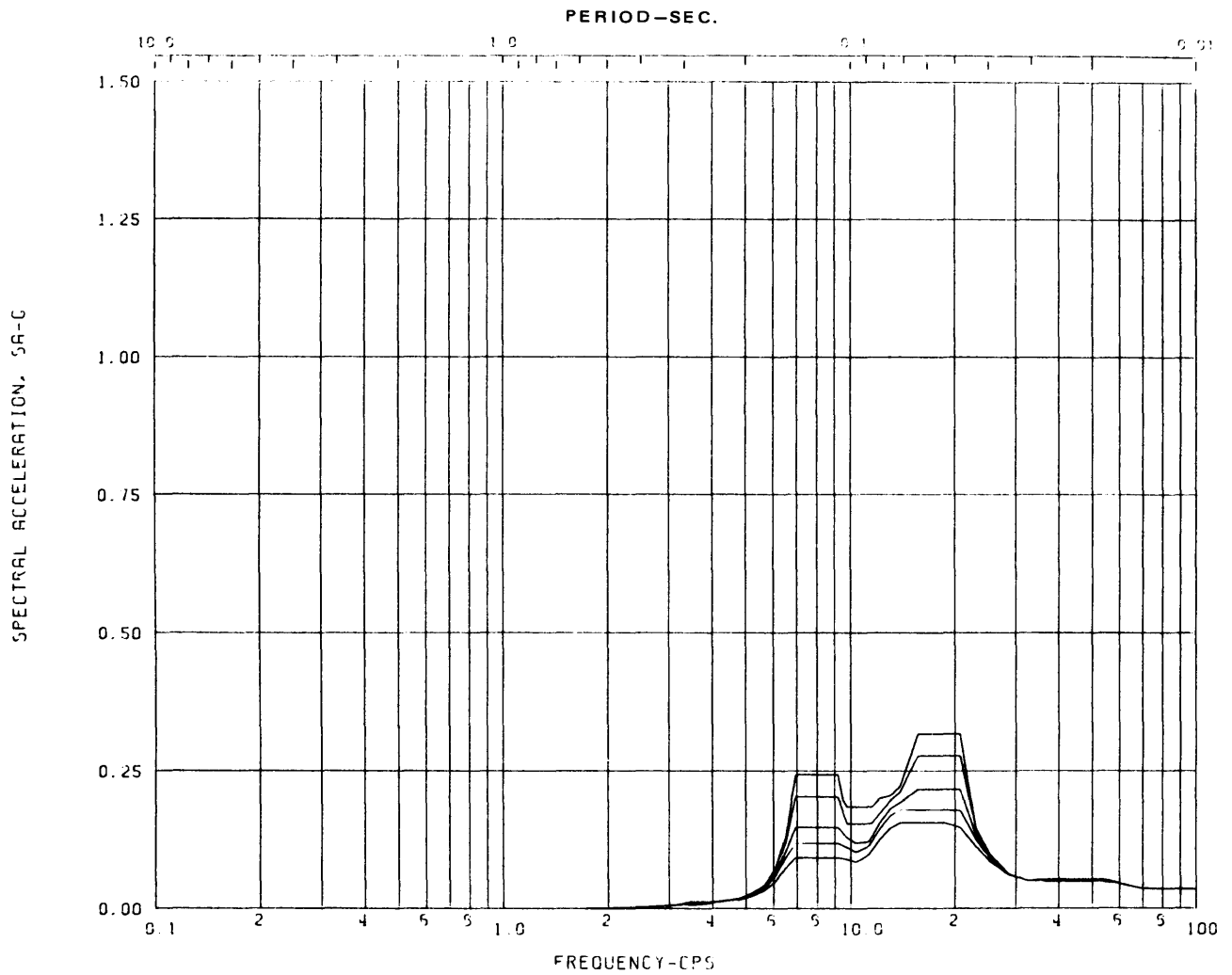
Node: 80 Direction: VERTICAL Elev: 253'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-272



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

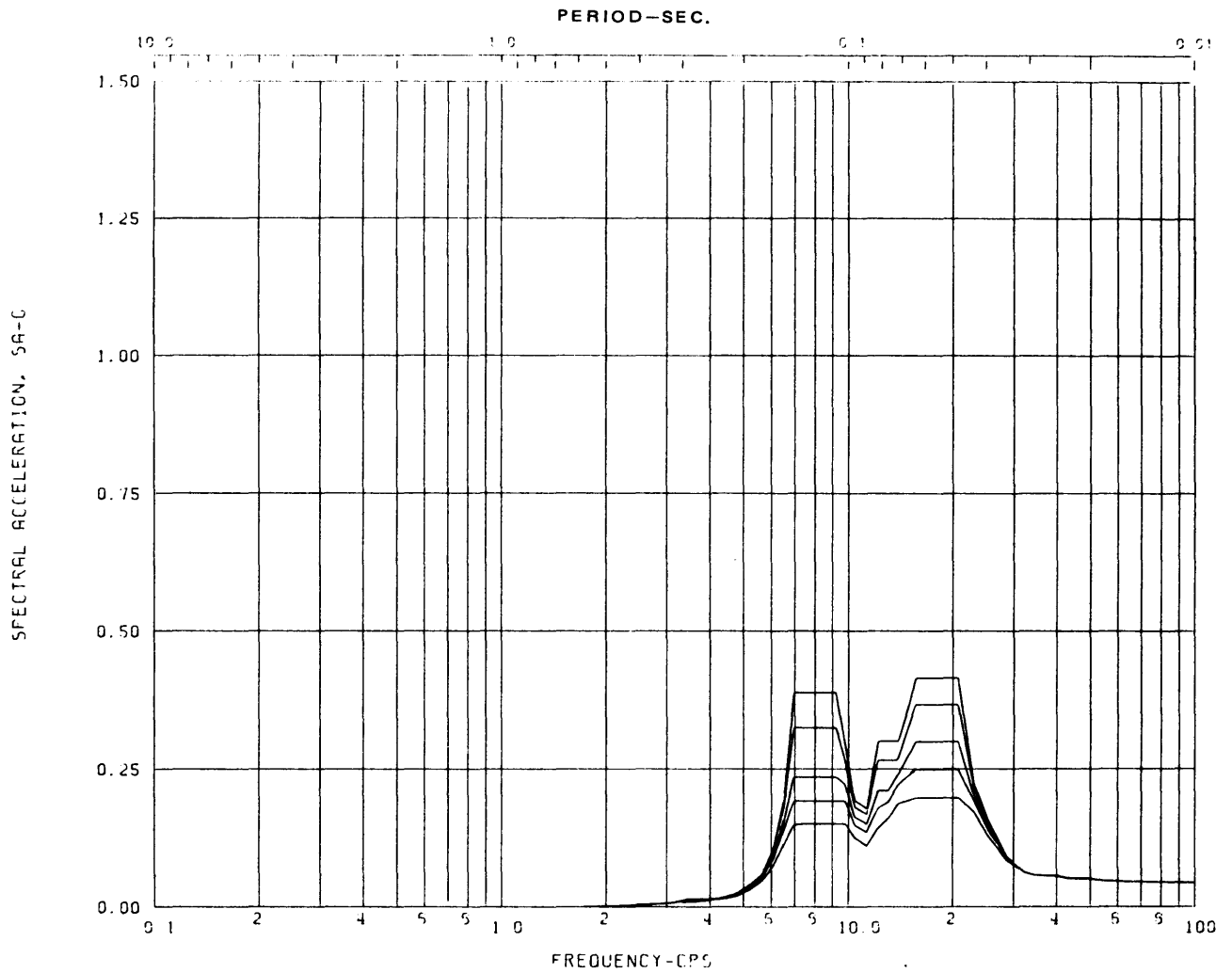
Node: 59 Direction: VERTICAL Elev: 283'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-273



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

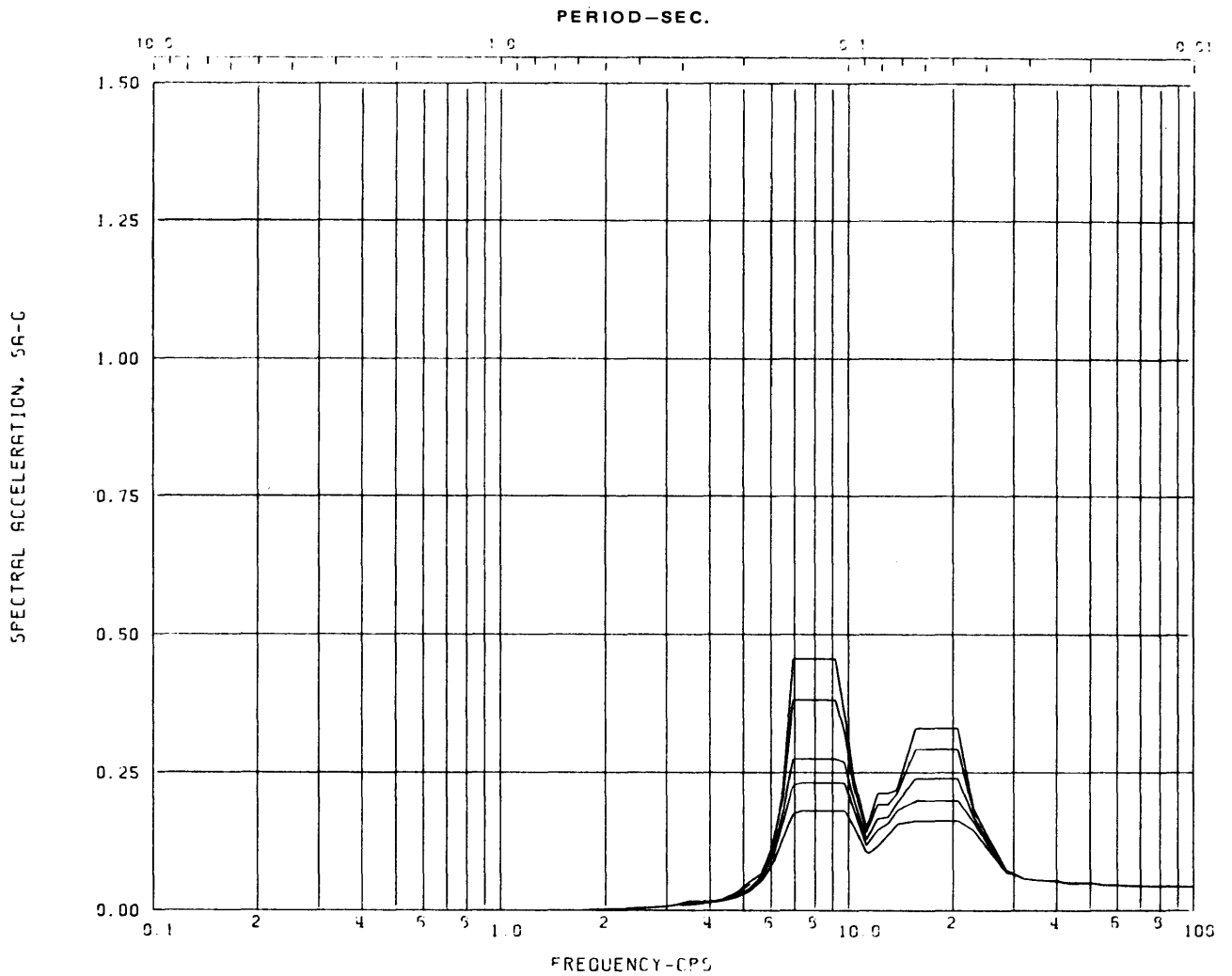
Node: 54 Direction: VERTICAL Elev: 313'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-274



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIFS ENVELOPE (WIDENED - 15%)

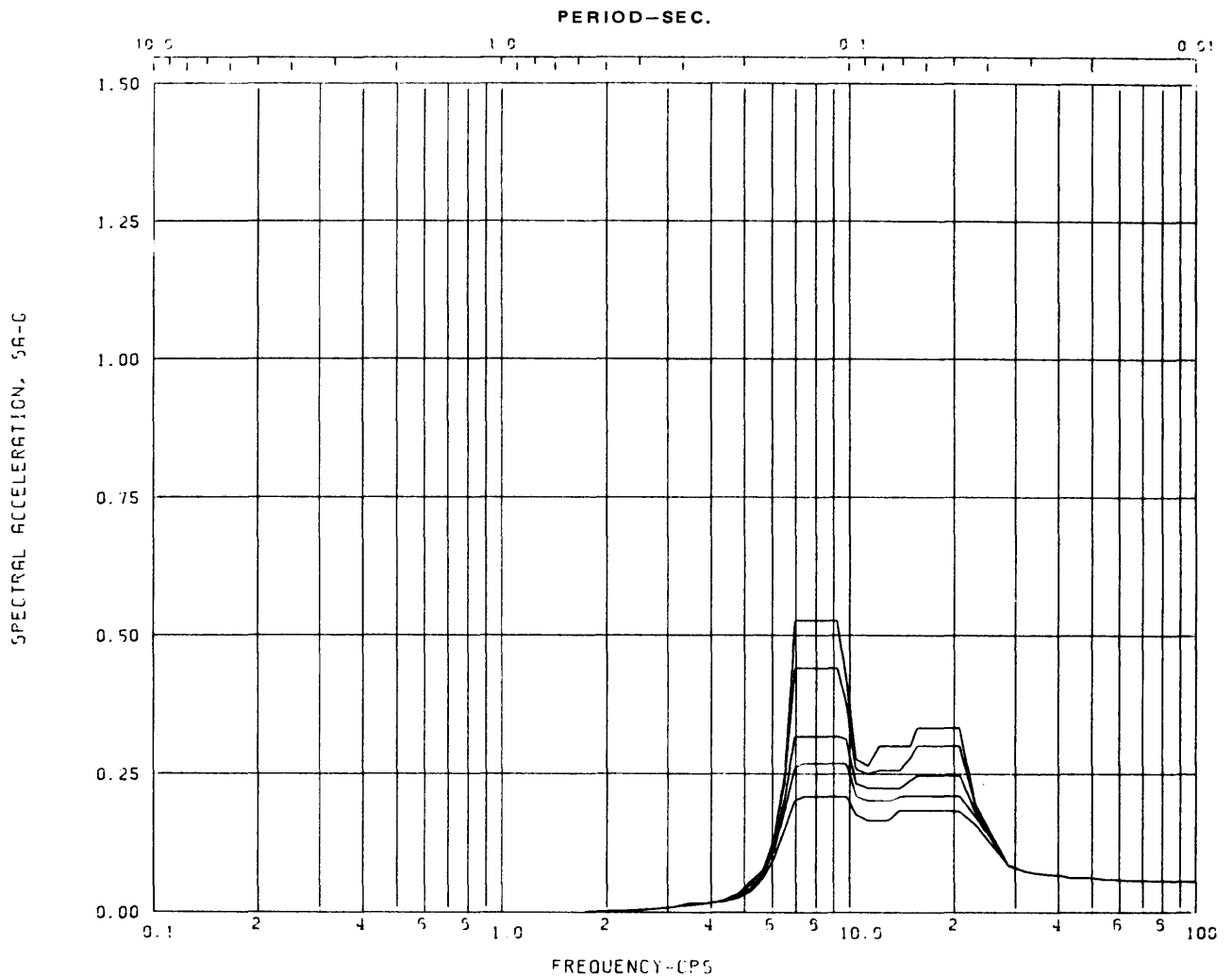
Node: 32 Direction: VERTICAL Elev: 333'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-275



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIFS ENVELOPE (WIDENED - 15%)

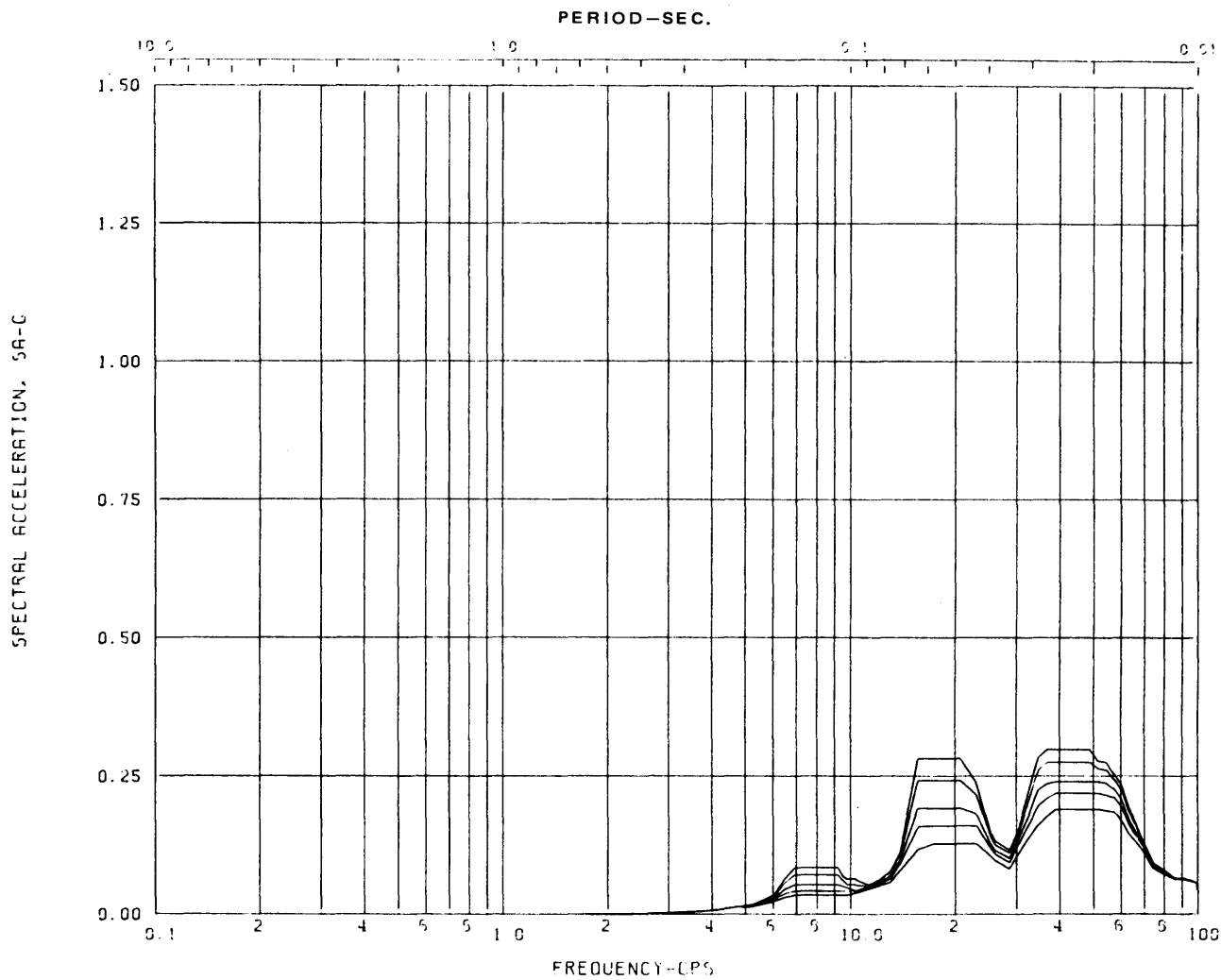
Node: 12 Direction: VERTICAL Elev: 352'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-276



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC CHUGGING GE700 SERIES ENVELOPE (WIDENED - 15%)

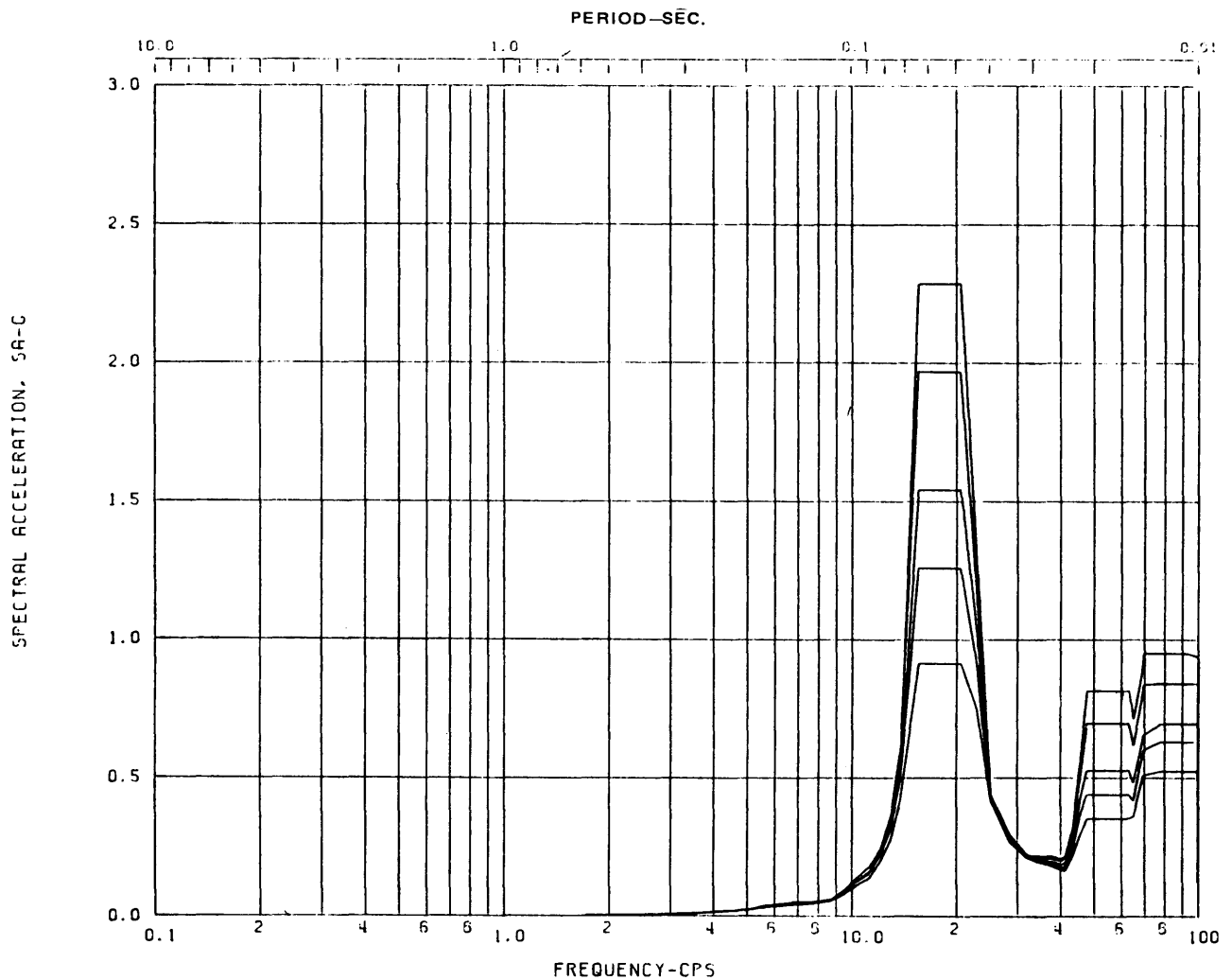
Node: 6 Direction: VERTICAL Elev: 410'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-277



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

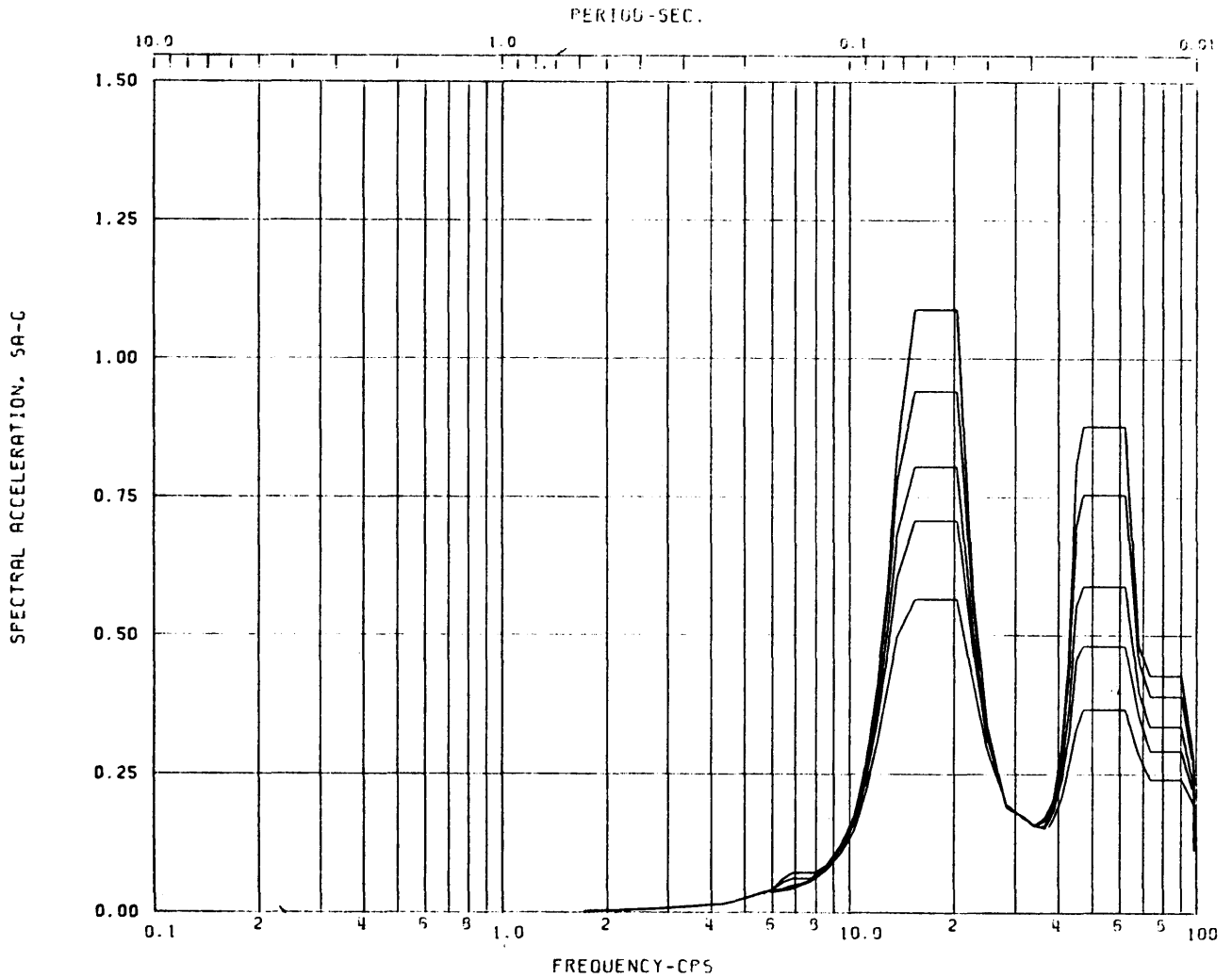
Node: 19 Direction: VERTICAL Elev: 217'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE LOCAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-278



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

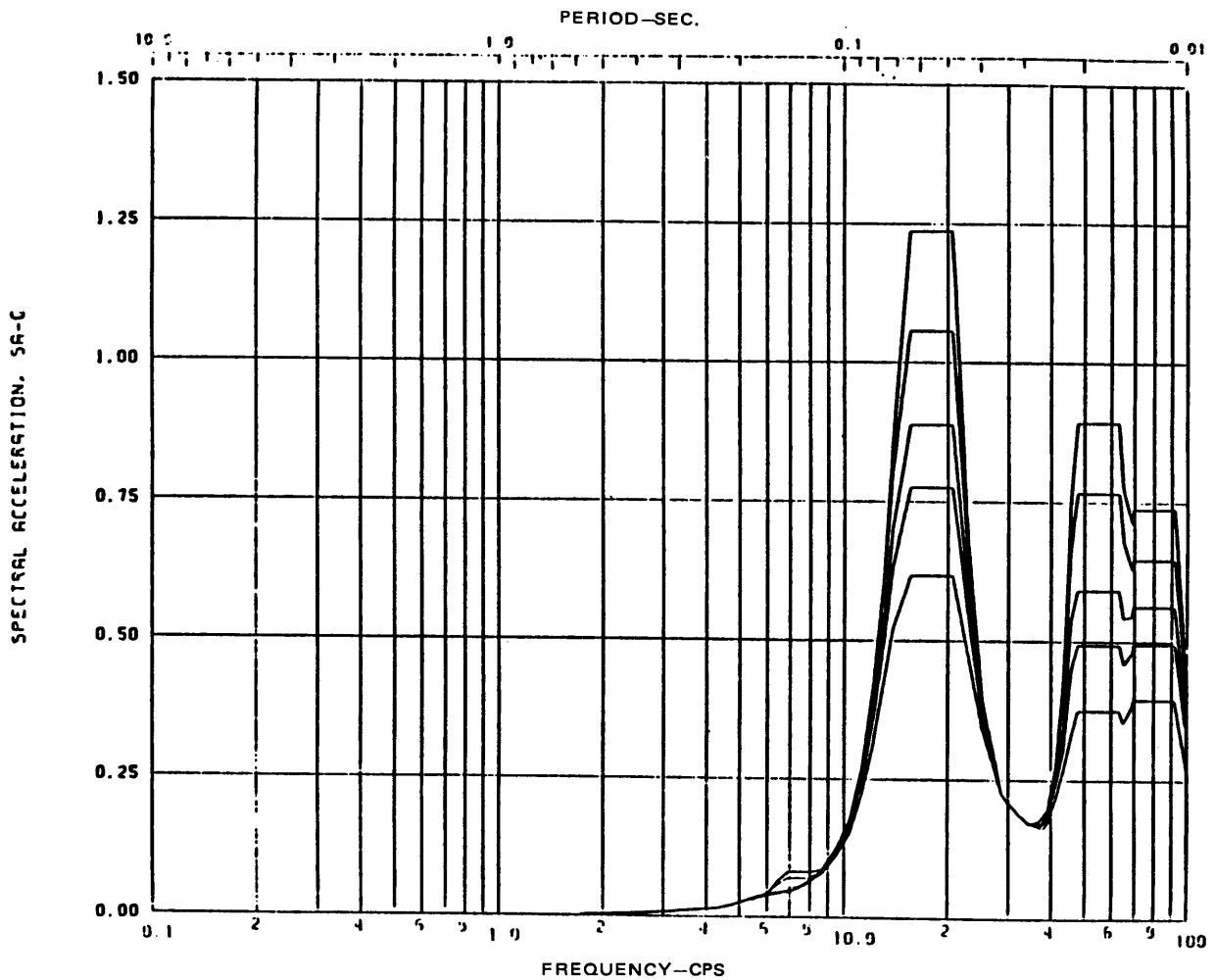
Node: 19 Direction: VERTICAL Elev: 239'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE LOCAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-279



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

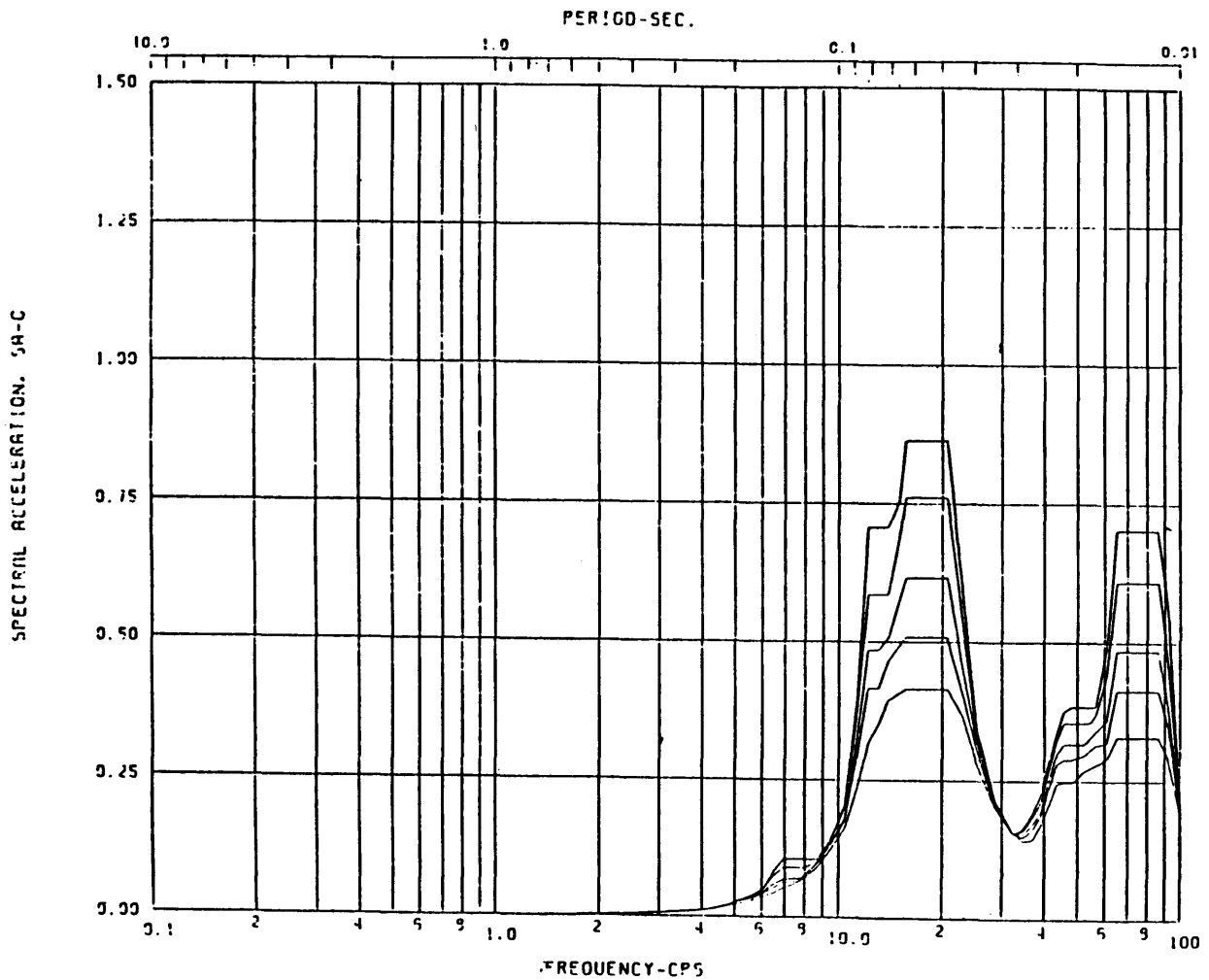
Node: 19 Direction: VERTICAL Elev: 254'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE LOCAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-280



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

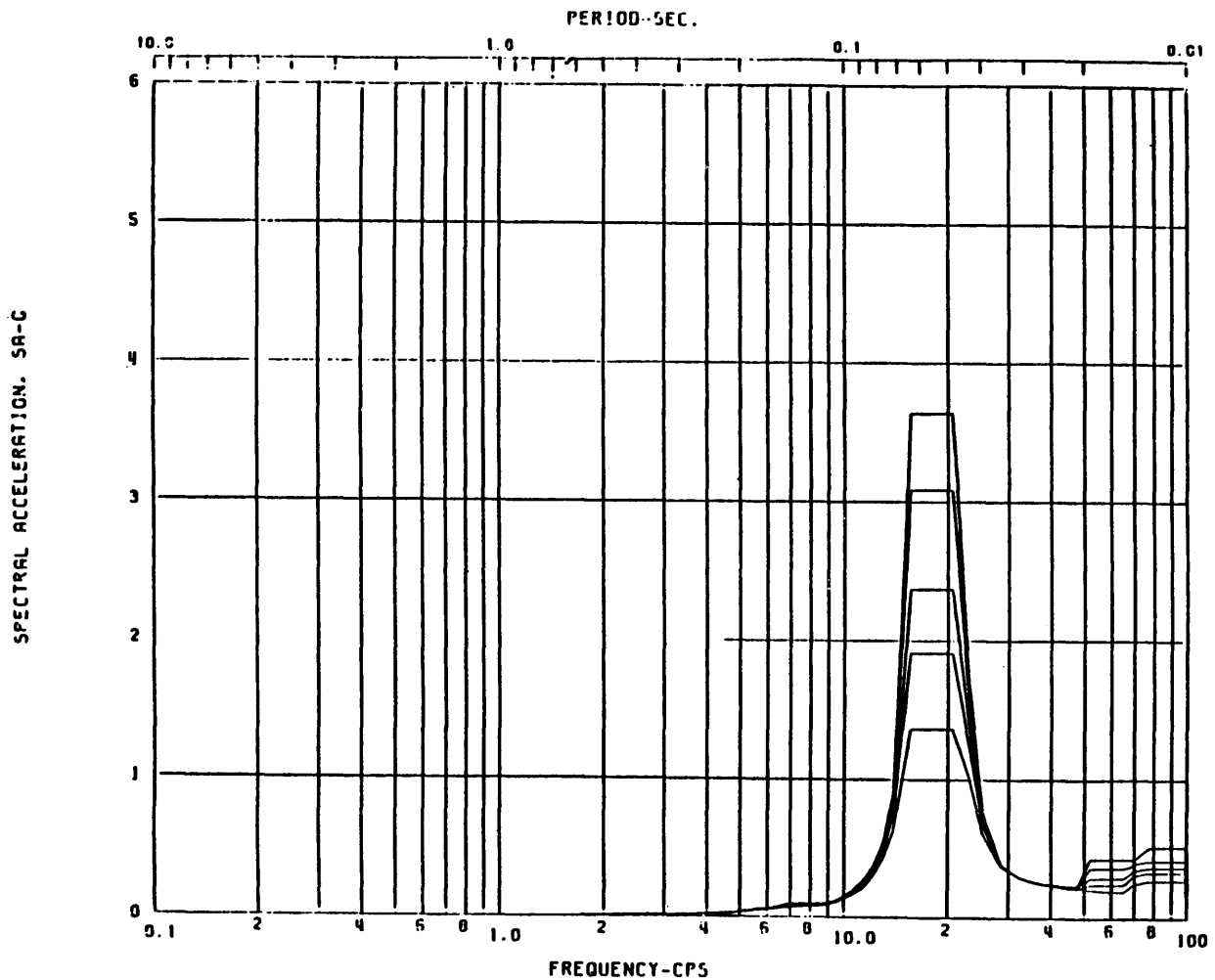
Node: 19 Direction: VERTICAL Elev: 269'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE LOCAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-281



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

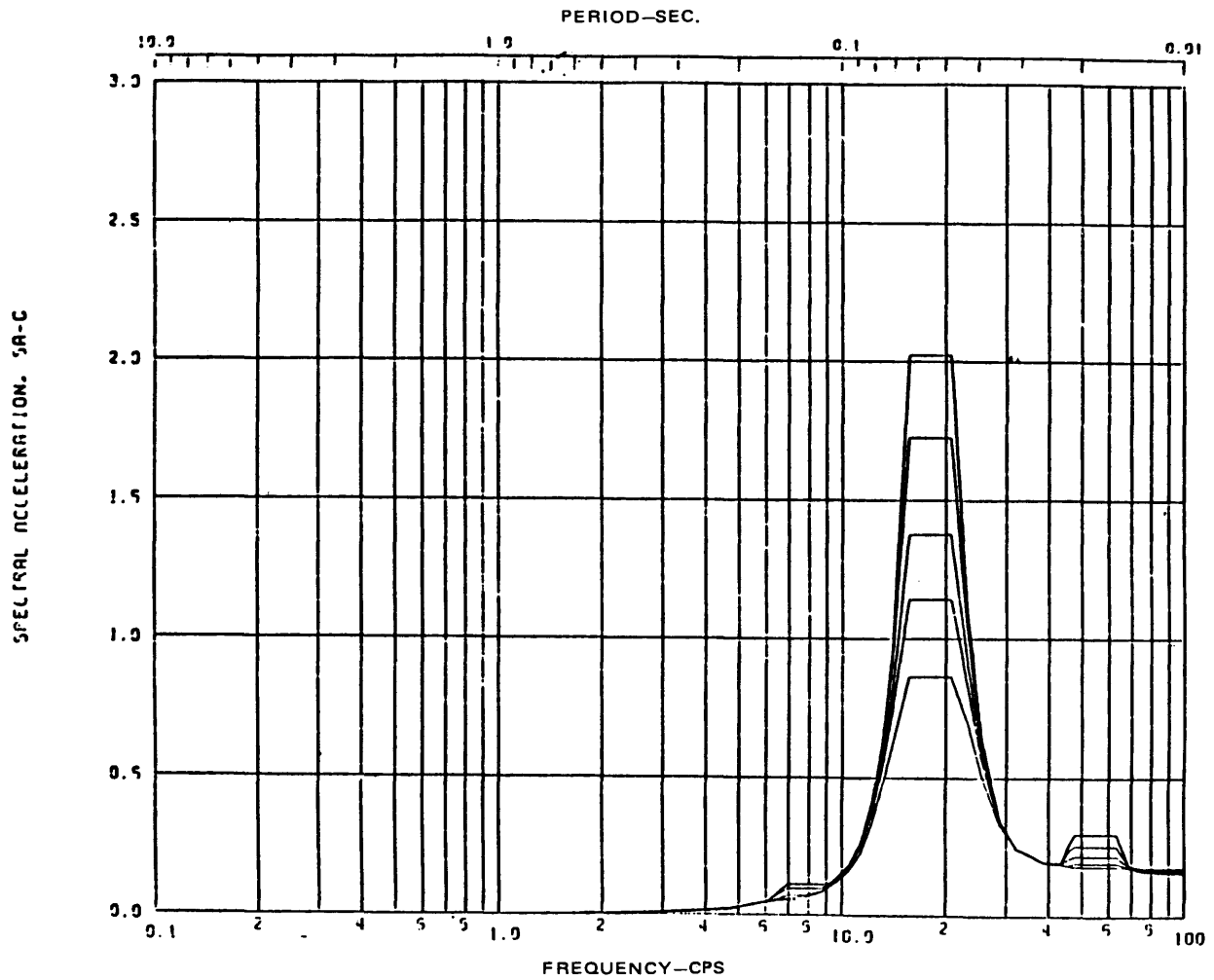
Node: 19 Direction: VERTICAL Elev: 289'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE LOCAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-282



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

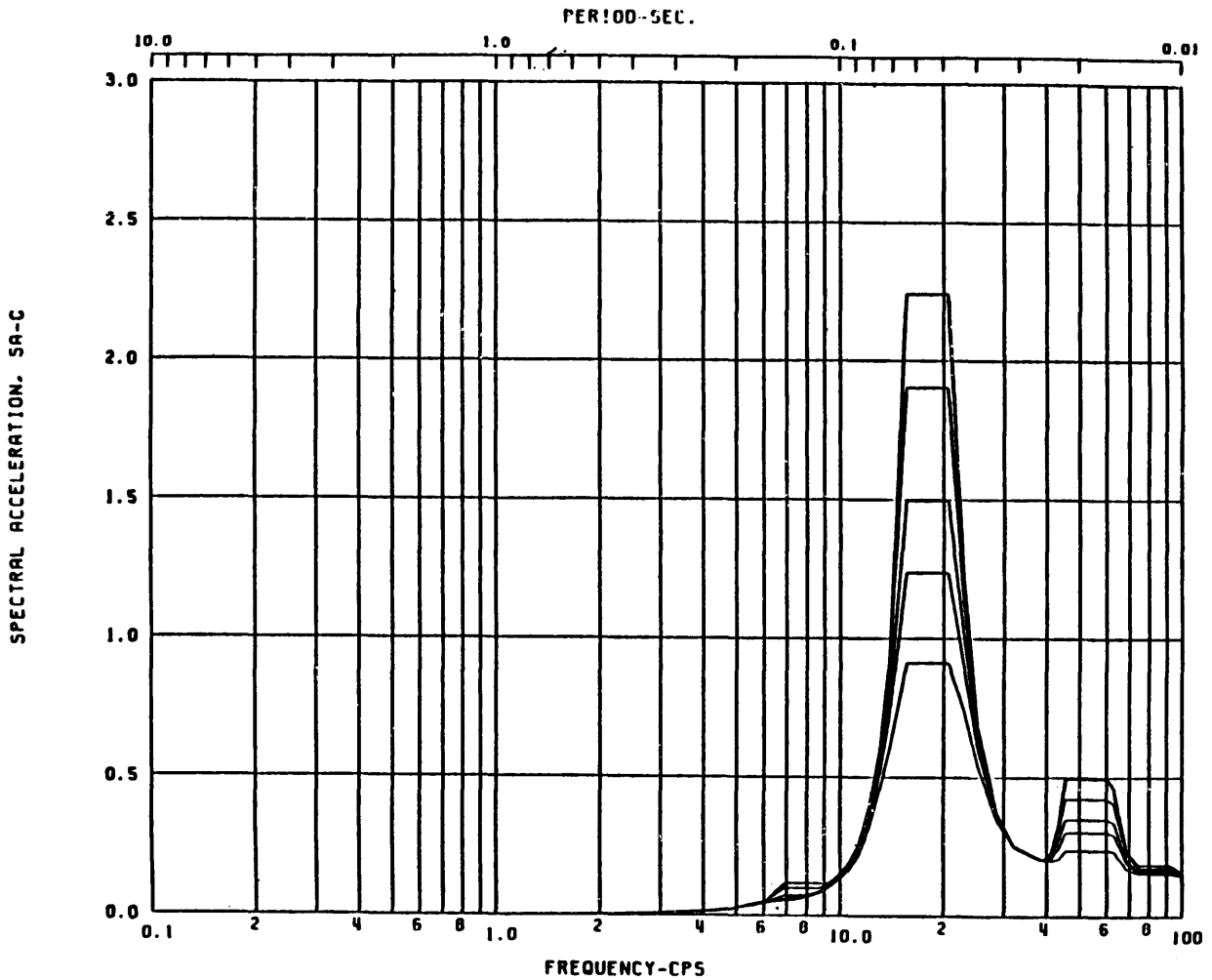
Node: 19 Direction: VERTICAL Elev: 304'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE LOCAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC**

FIGURE 3A-283



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC CHUGGING GE 700 SERIES ENVELOPE (WIDENED - 15%)

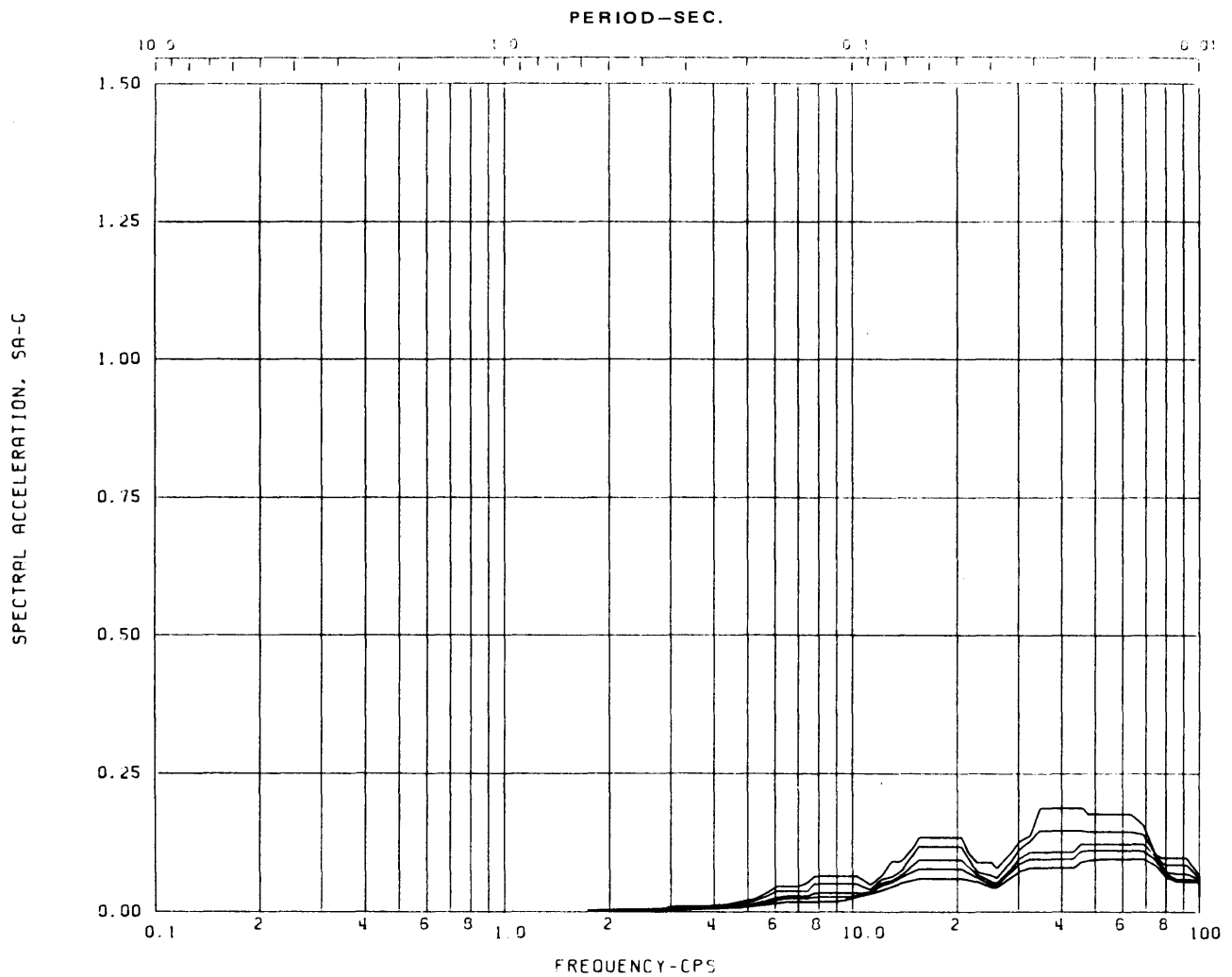
Node: 19 Direction: VERTICAL Elev: 332'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE LOCAL
RESPONSE SPECTRA, VERTICAL,
CHUG AXISYMMETRIC

FIGURE 3A-284



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPF (WIDENED - 15%)

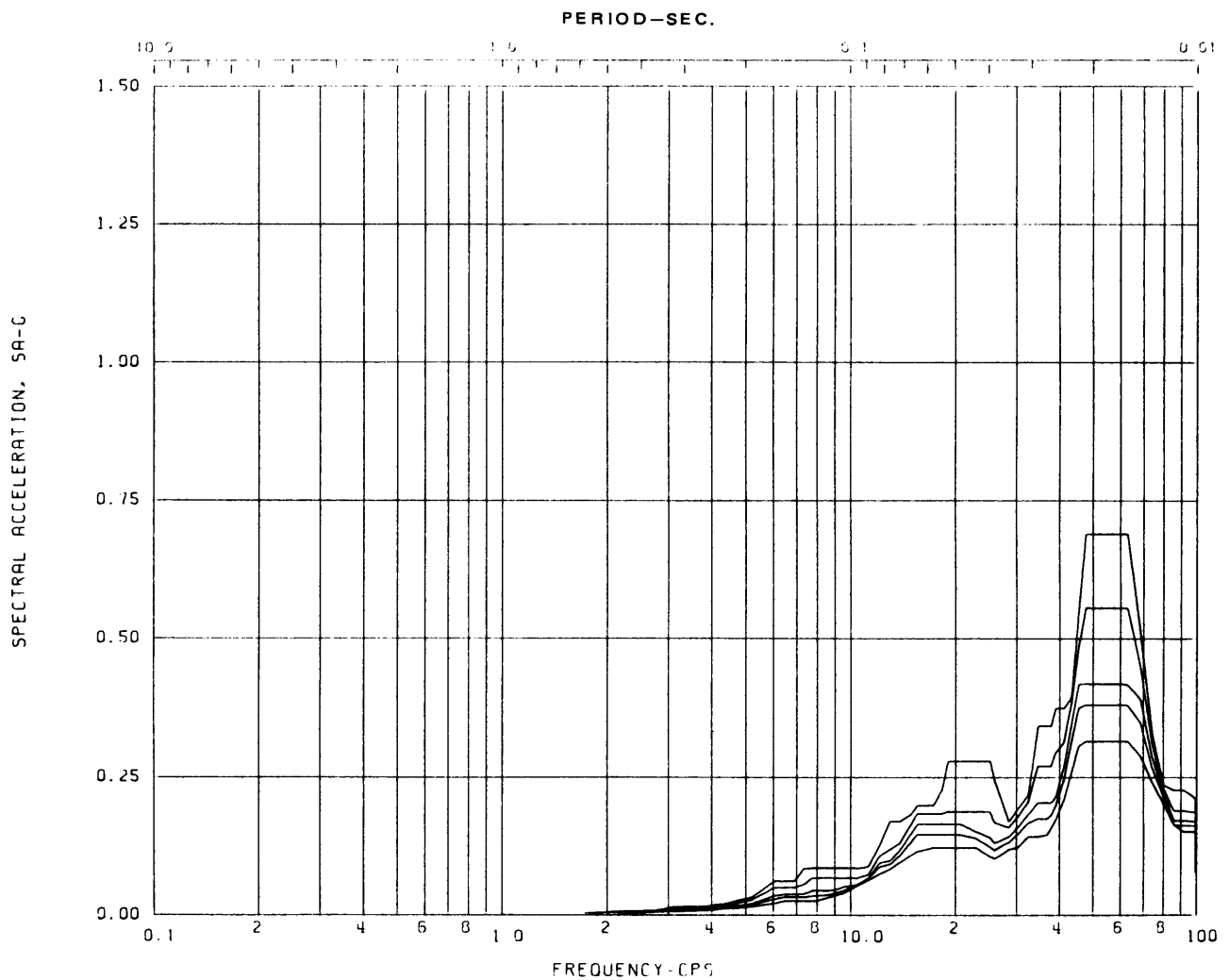
Node: 159 Direction: VERTICAL Elev: 177'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-285



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

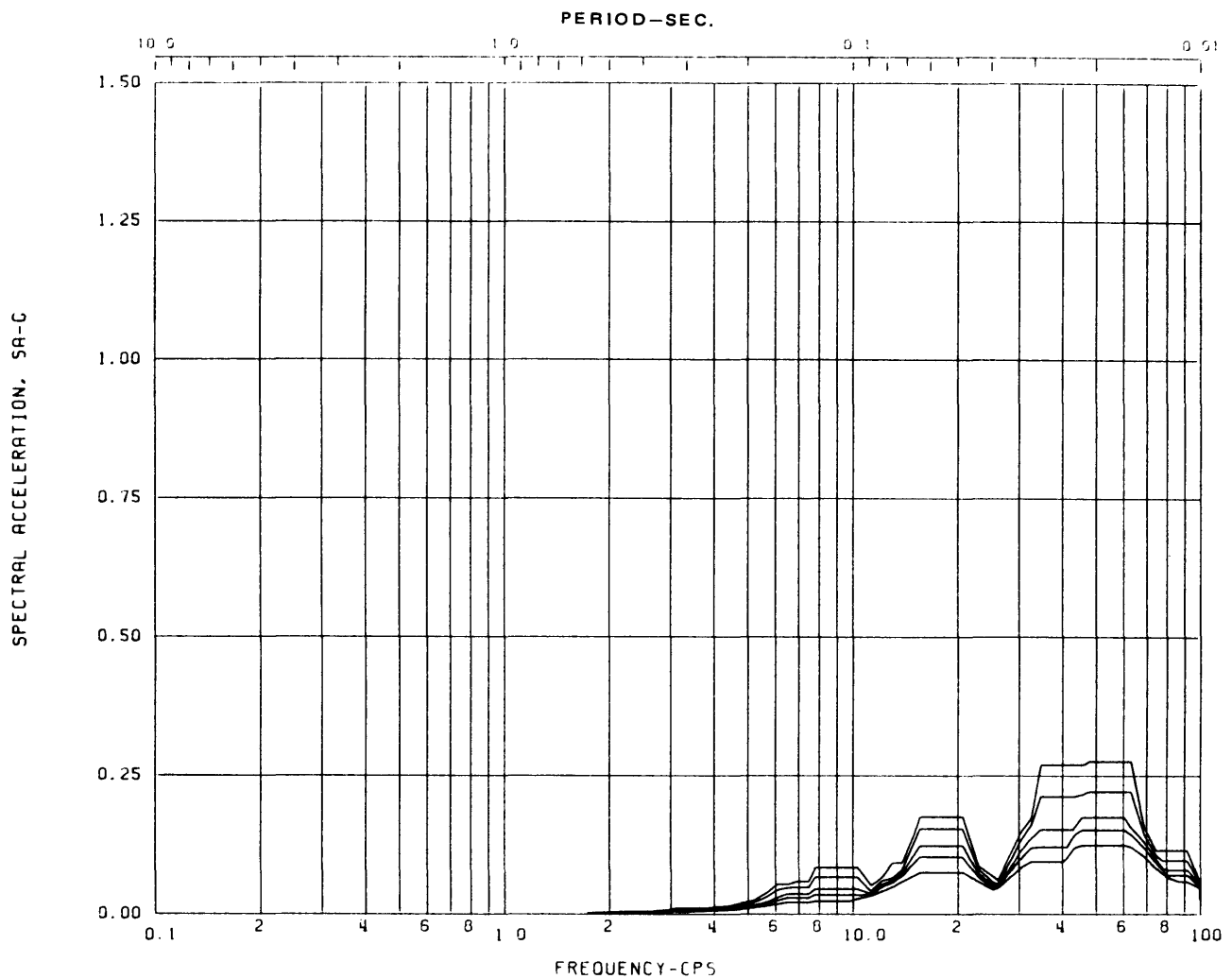
Node: 154 Direction: VERTICAL Elev: 177'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-286



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

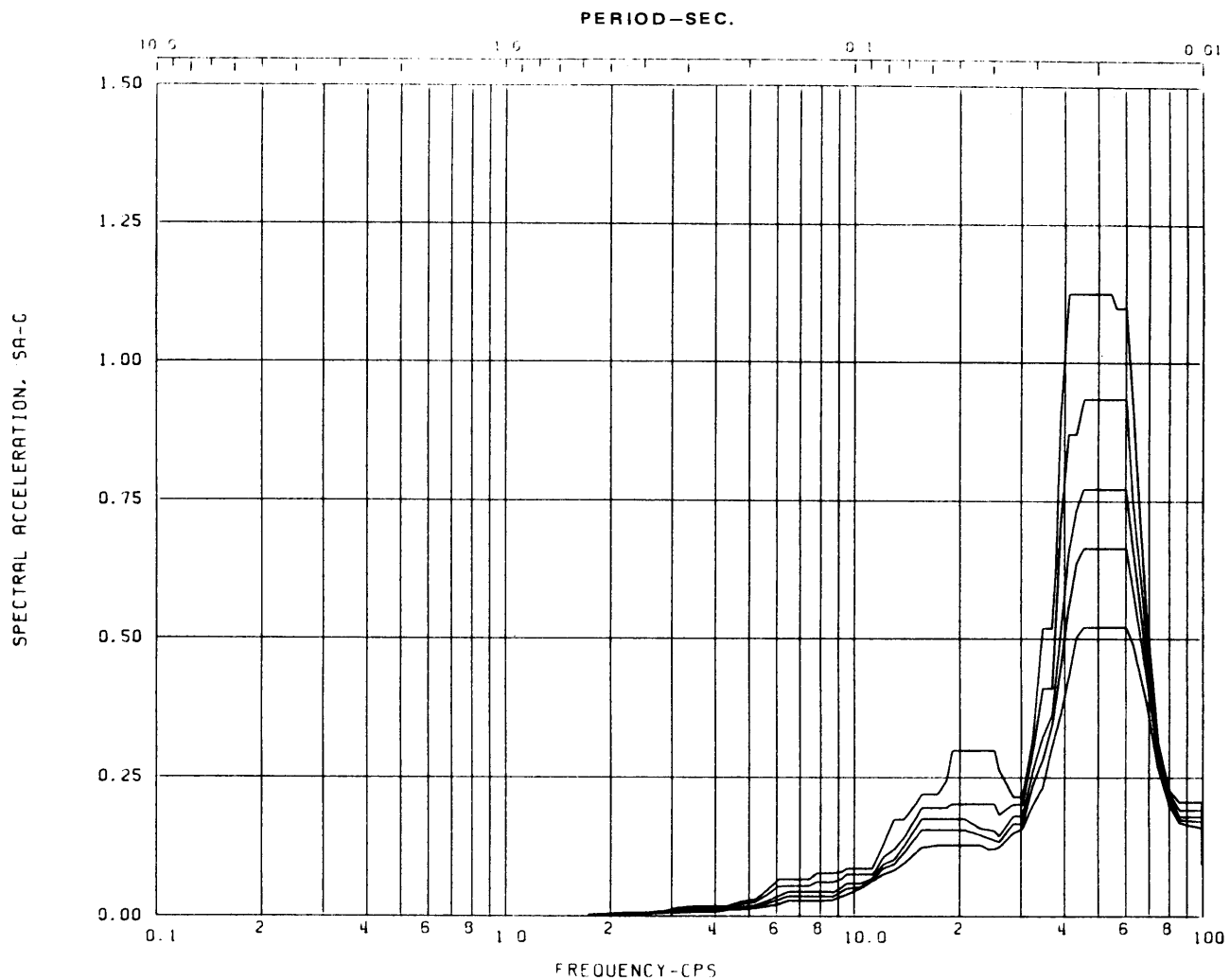
Node: 128 Direction: VERTICAL Elev: 201'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC

FIGURE 3A-287



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPF (WIDENED - 15%)

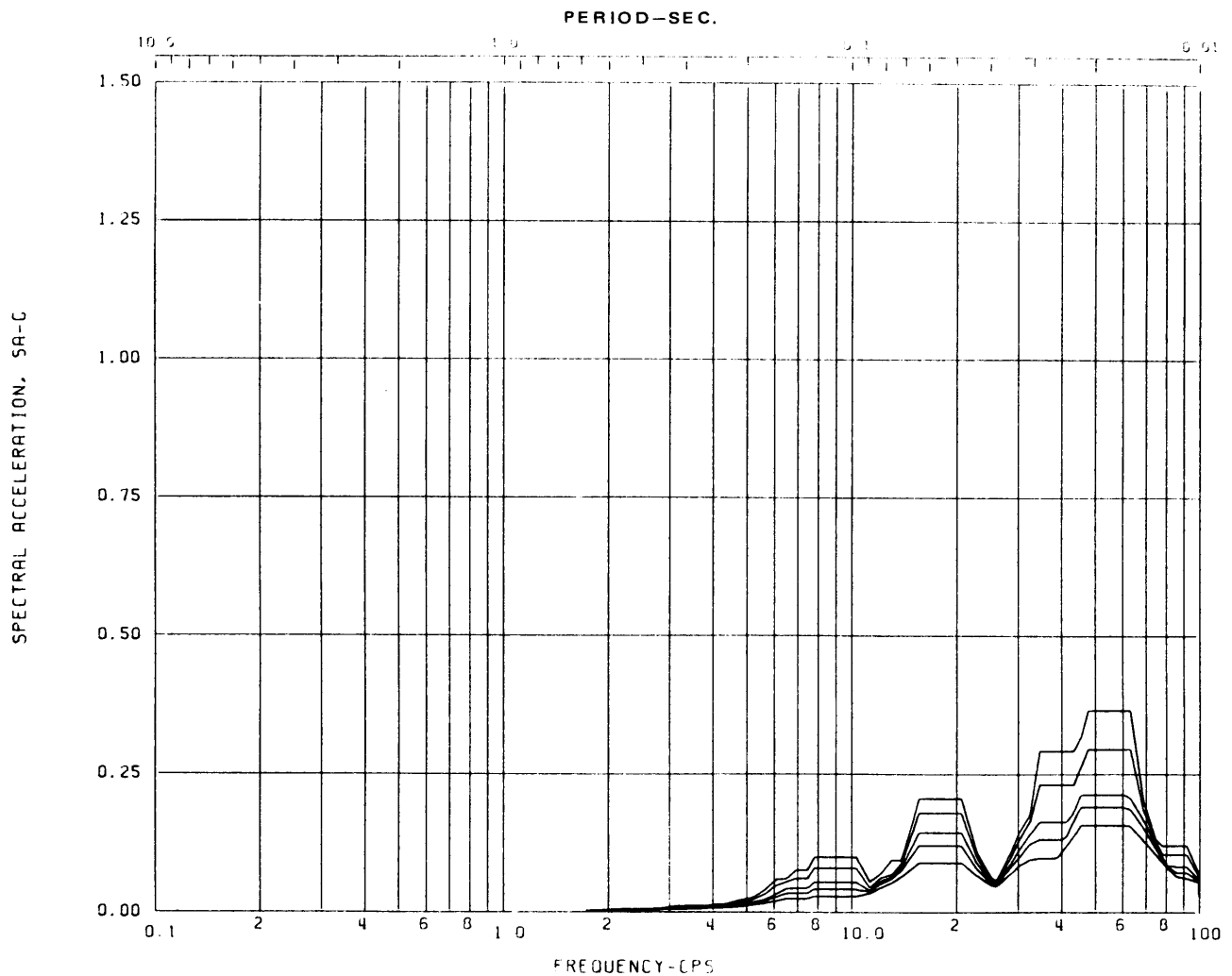
Node: 130 Direction: VERTICAL Elev: 201'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-288



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

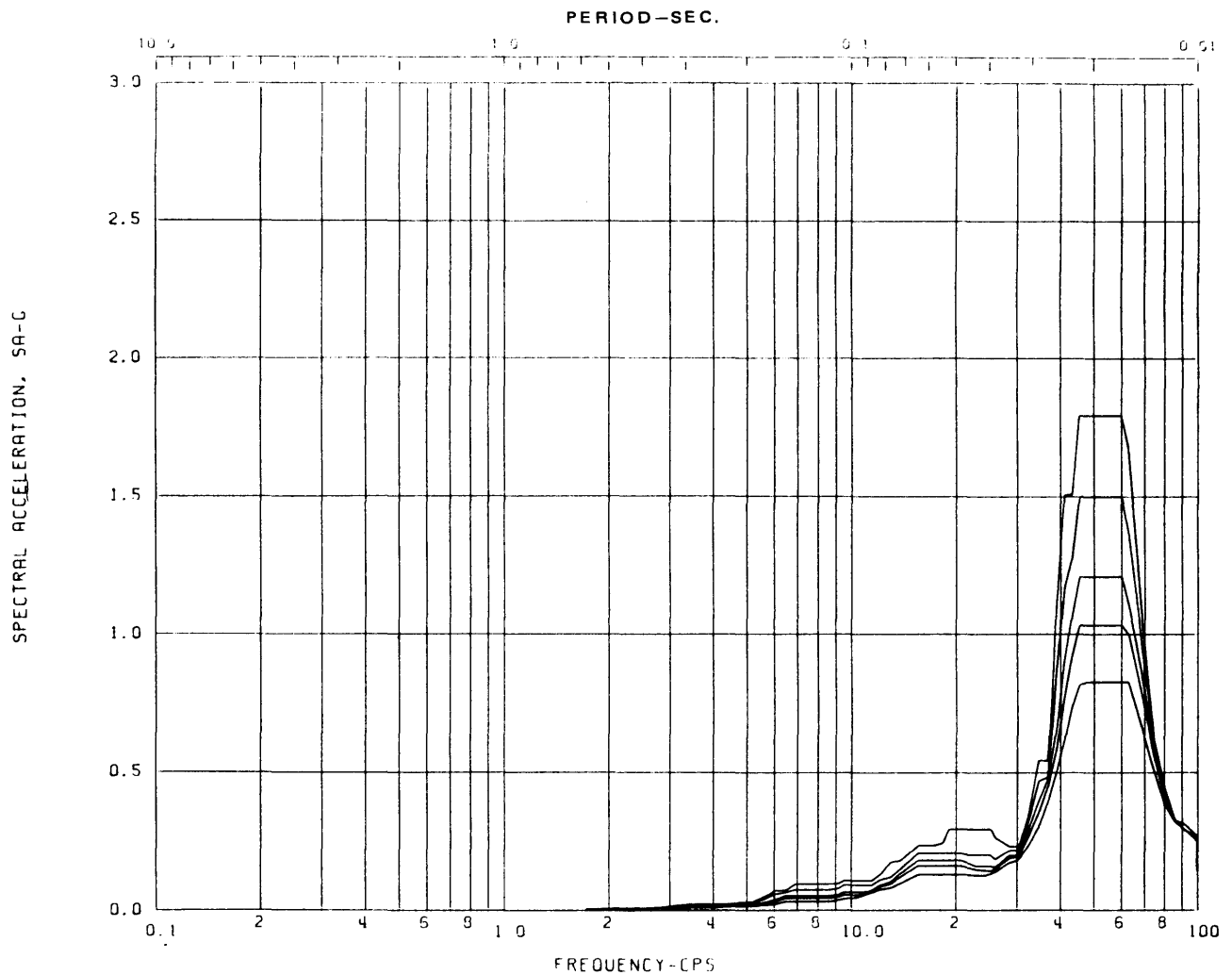
Node: 106 Direction: VERTICAL Elev: 217'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-289



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

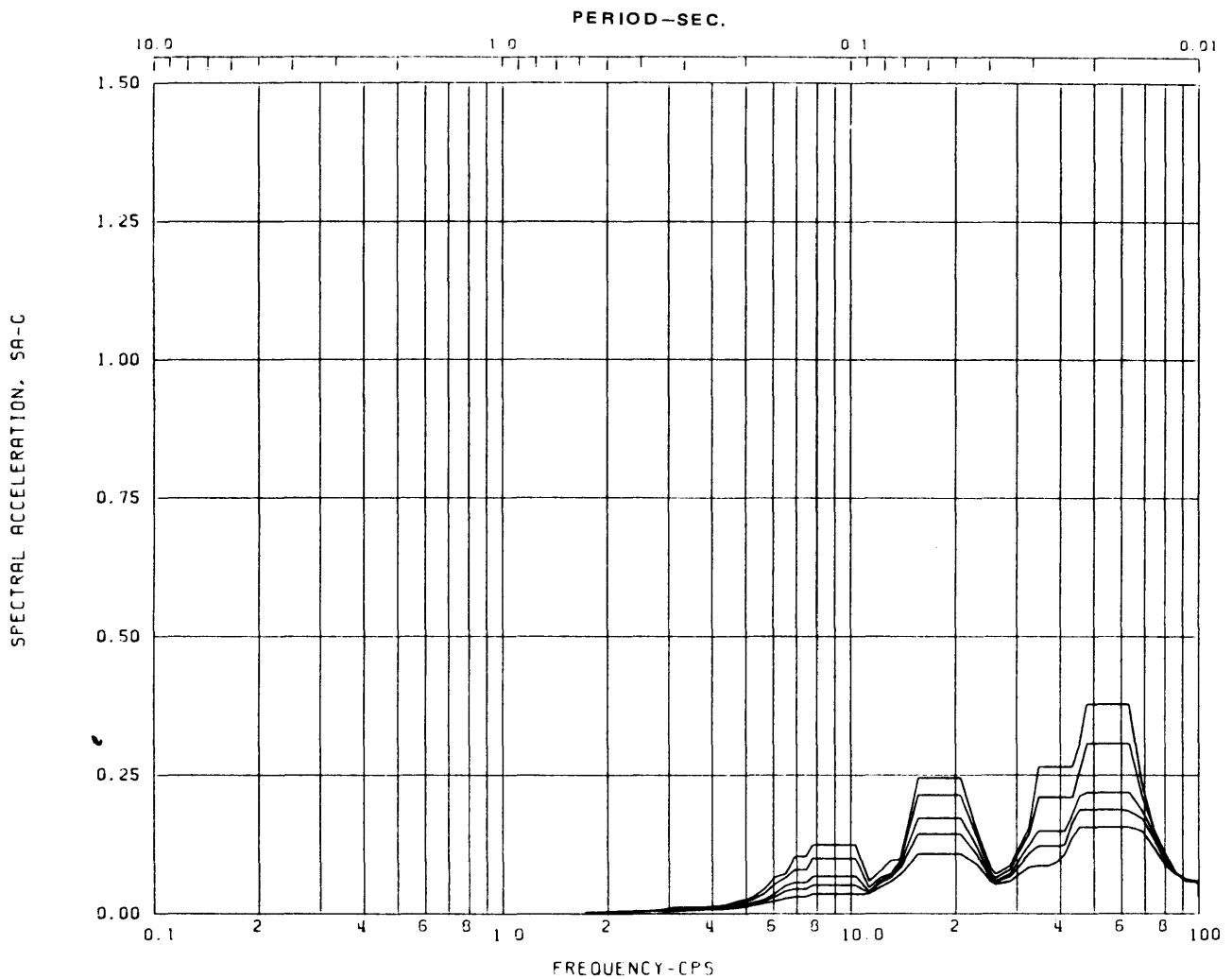
Node: 108 Direction: VERTICAL Elev: 217'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-290



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPF (WIDENED - 15%)

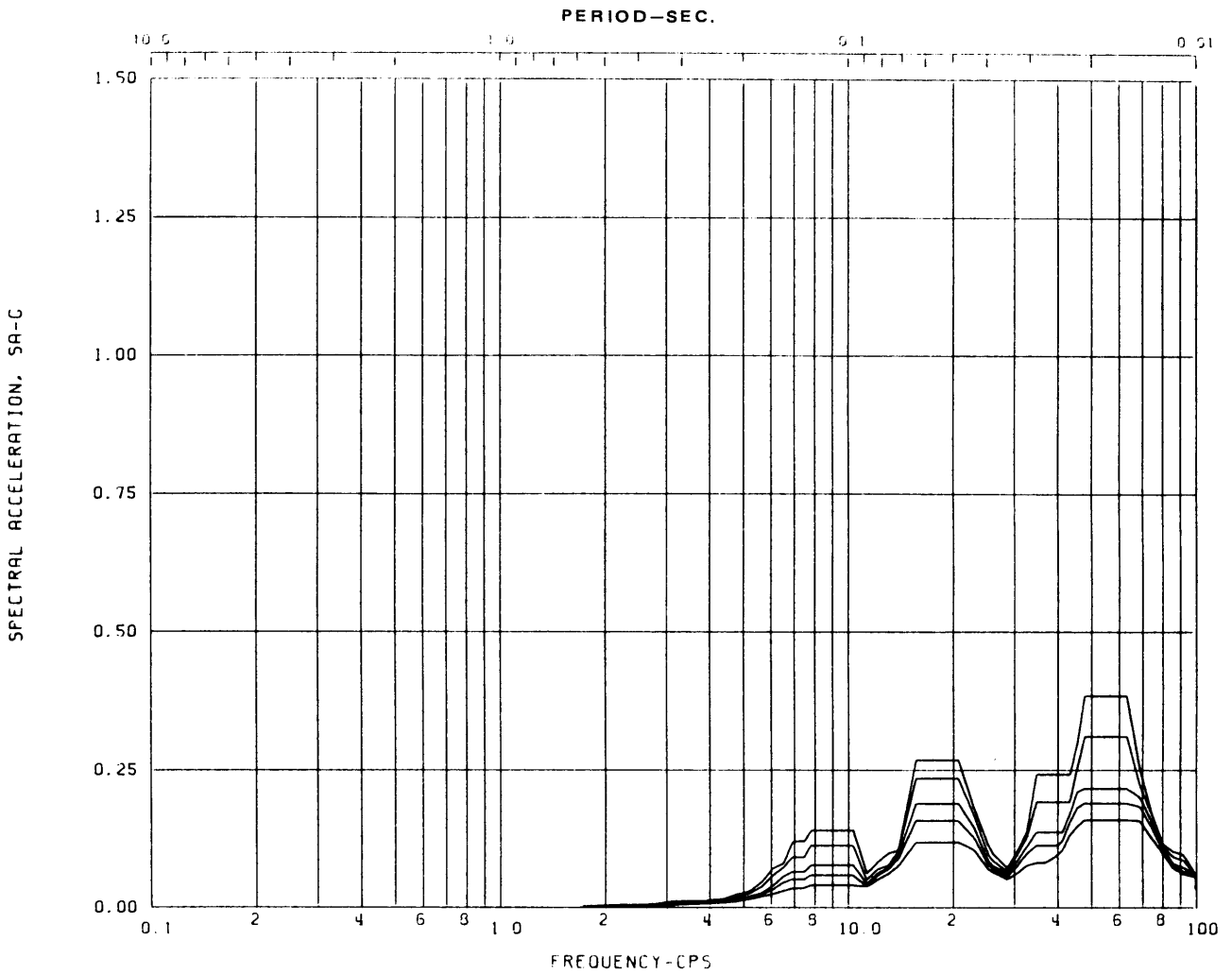
Node: 104 Direction: VERTICAL Elev: 239'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-291



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPF (WIDENED - 15%)

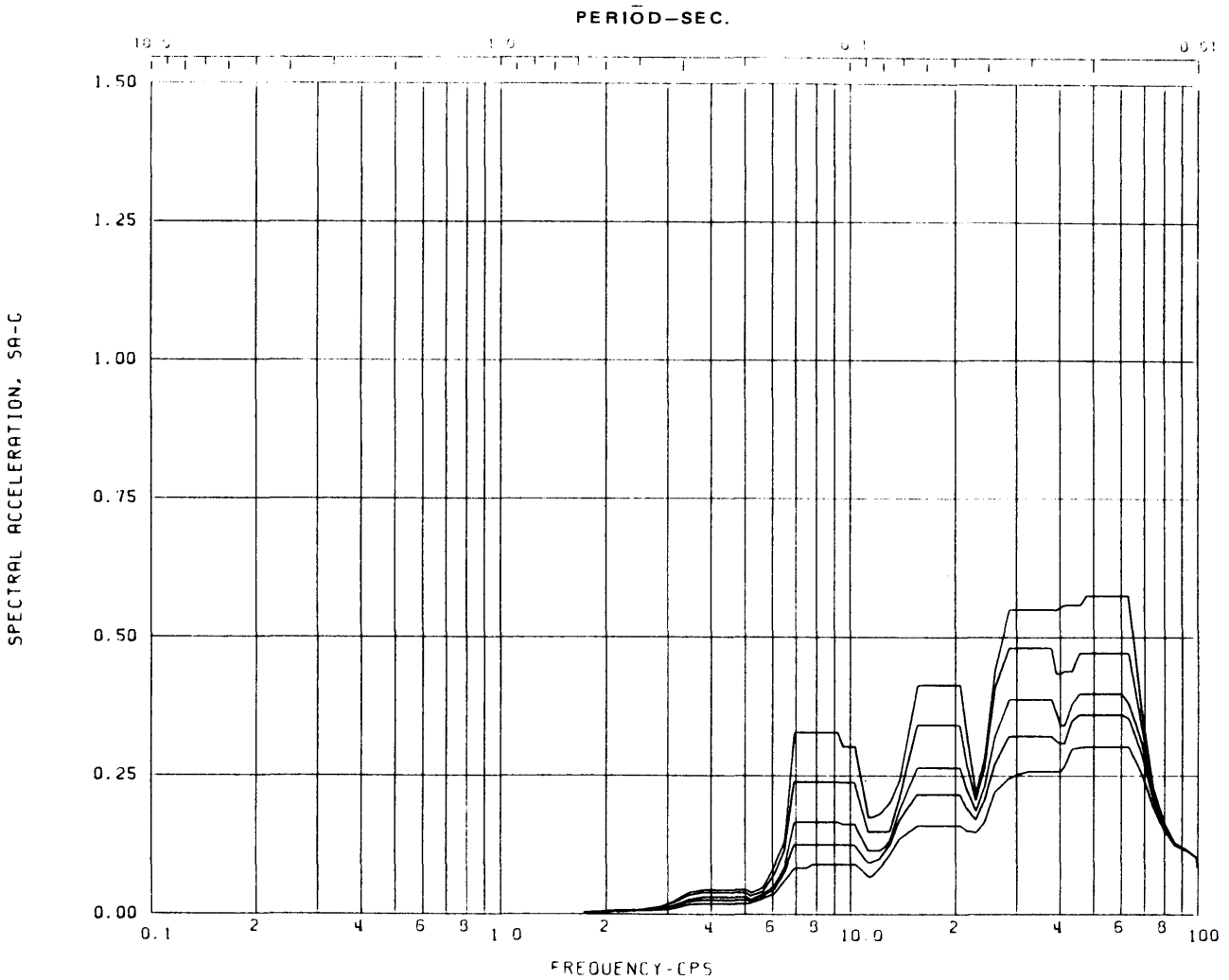
Node: 79 Direction: VERTICAL Elev: 253'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-292



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GF CO-BASIC ENVELOPE (WIDENED - 15%)

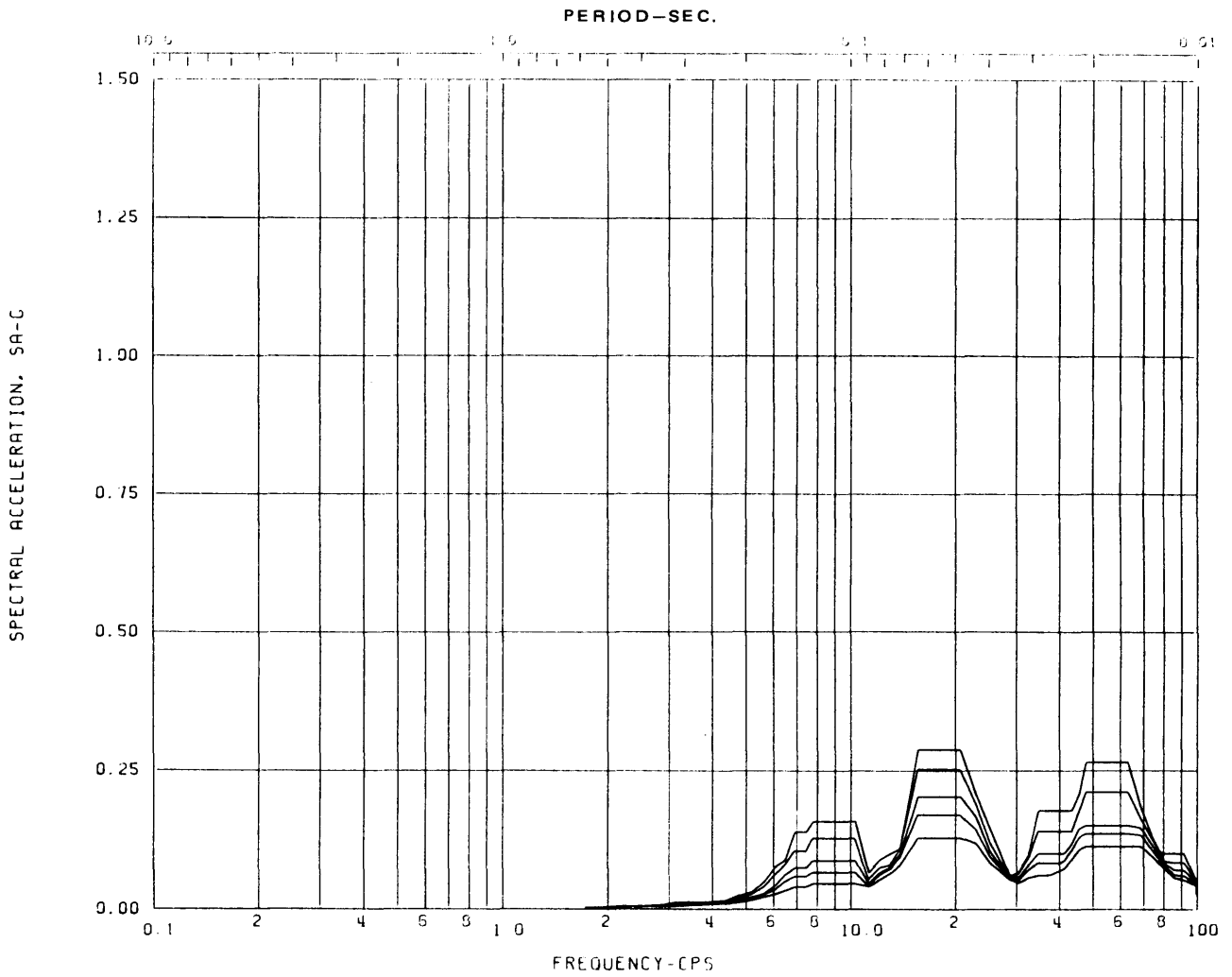
Node: 81 Direction: VERTICAL Elev: 253'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-293



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

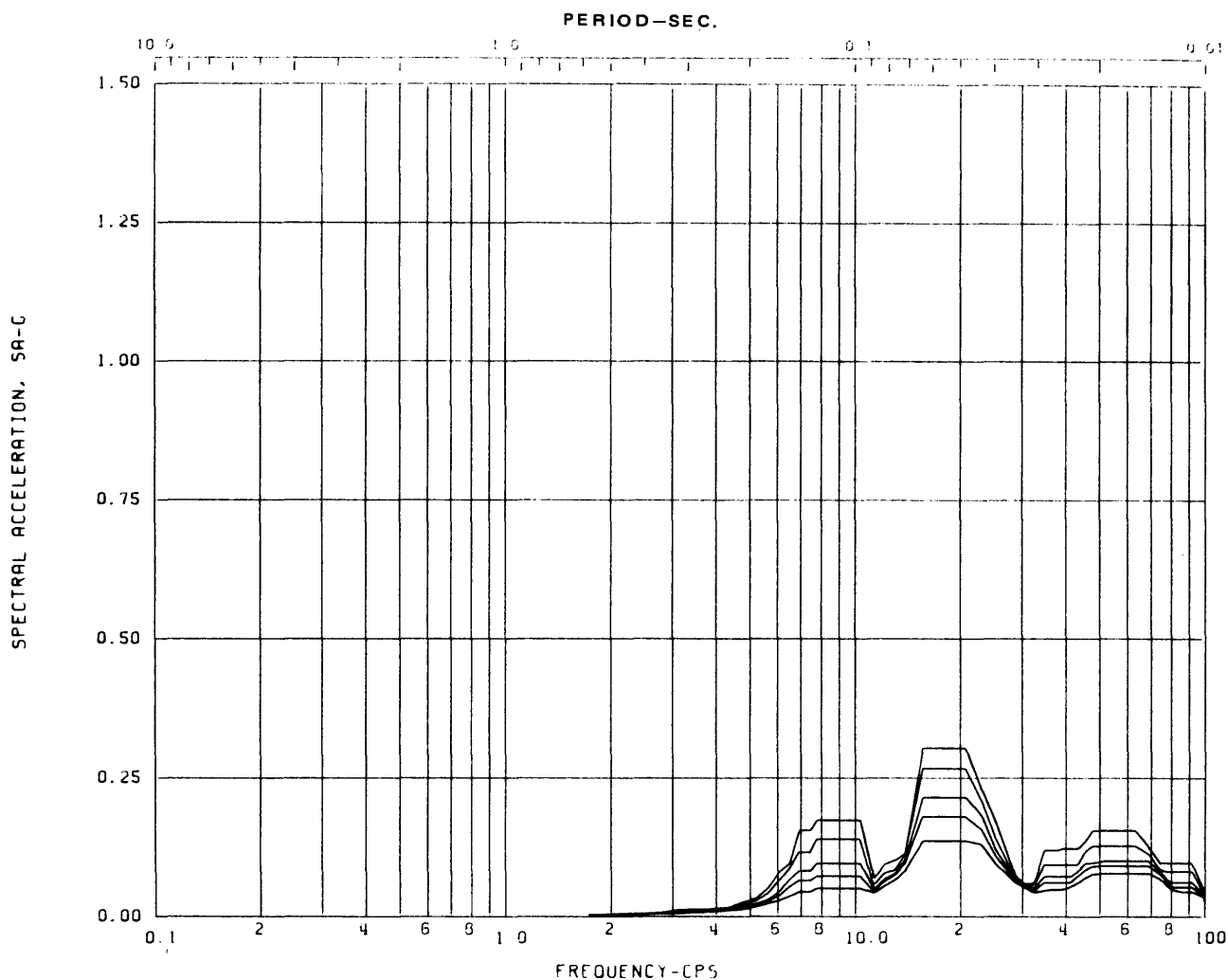
Node: 77 Direction: VERTICAL Elev: 269'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-294



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

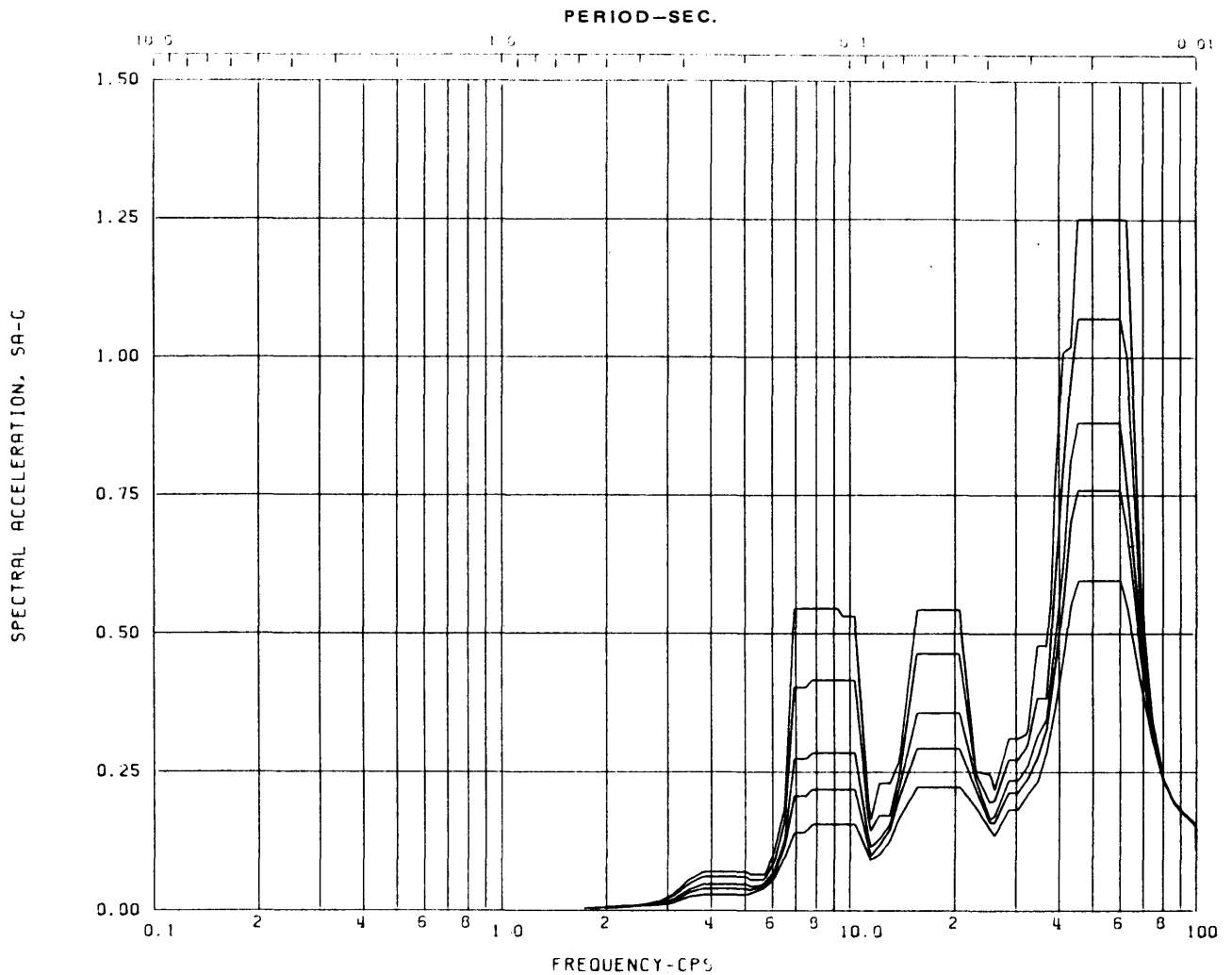
Node: 58 Direction: VERTICAL Elev: 283'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-295



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

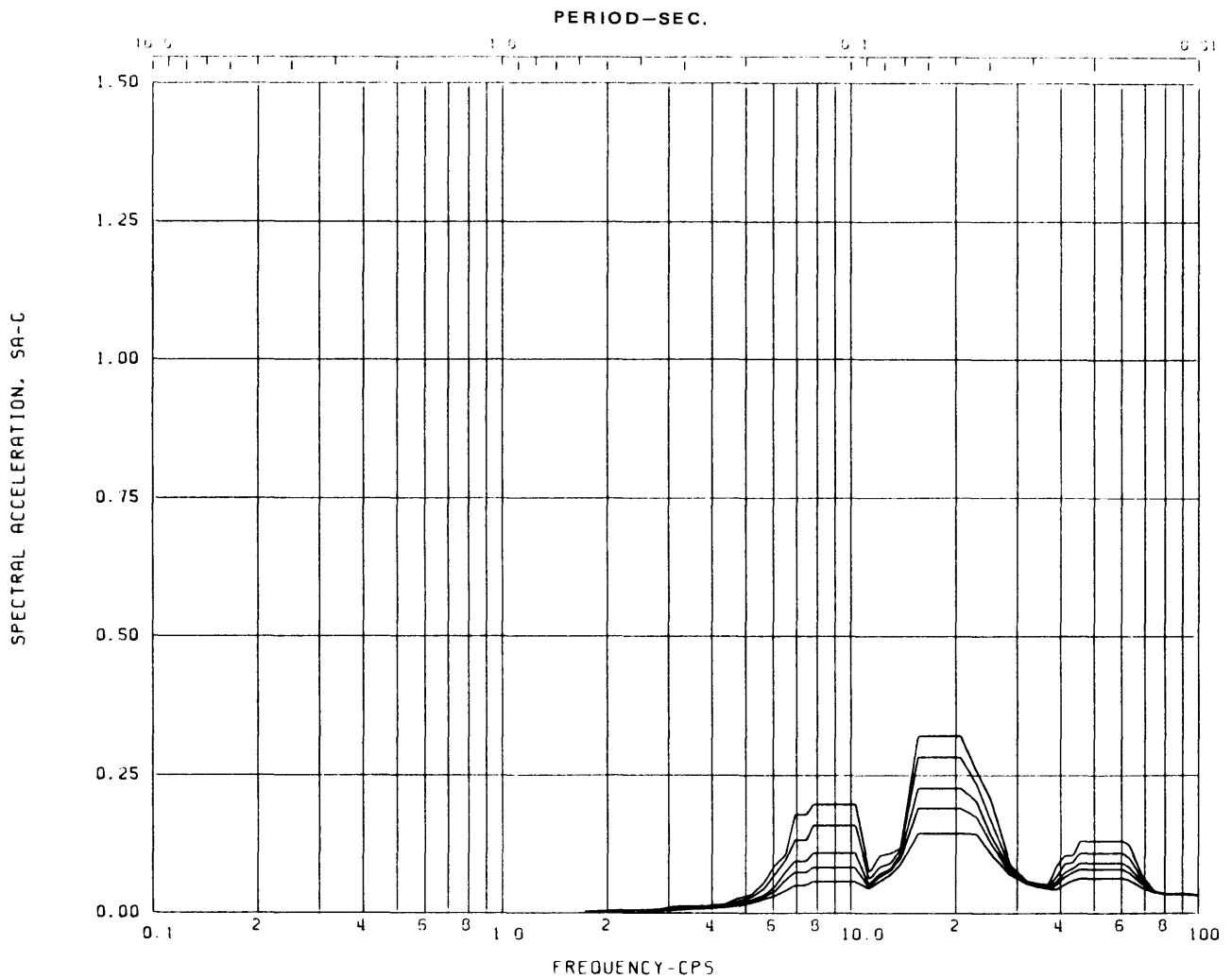
Node: 60 Direction: VERTICAL Elev: 283'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-296



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

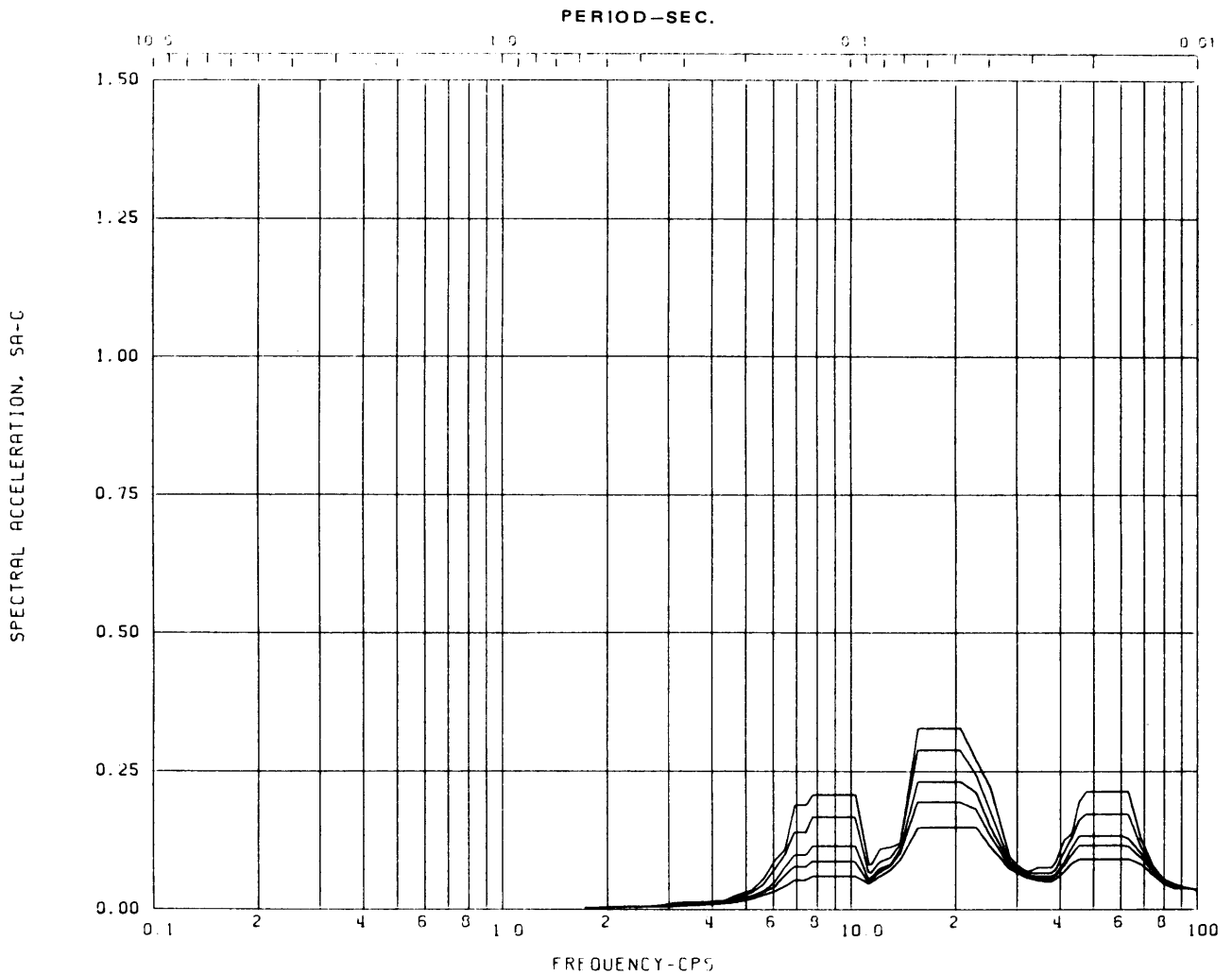
Node: 56 Direction: VERTICAL Elev: 304'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC

FIGURE 3A-297



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPF (WIDENED - 15%)

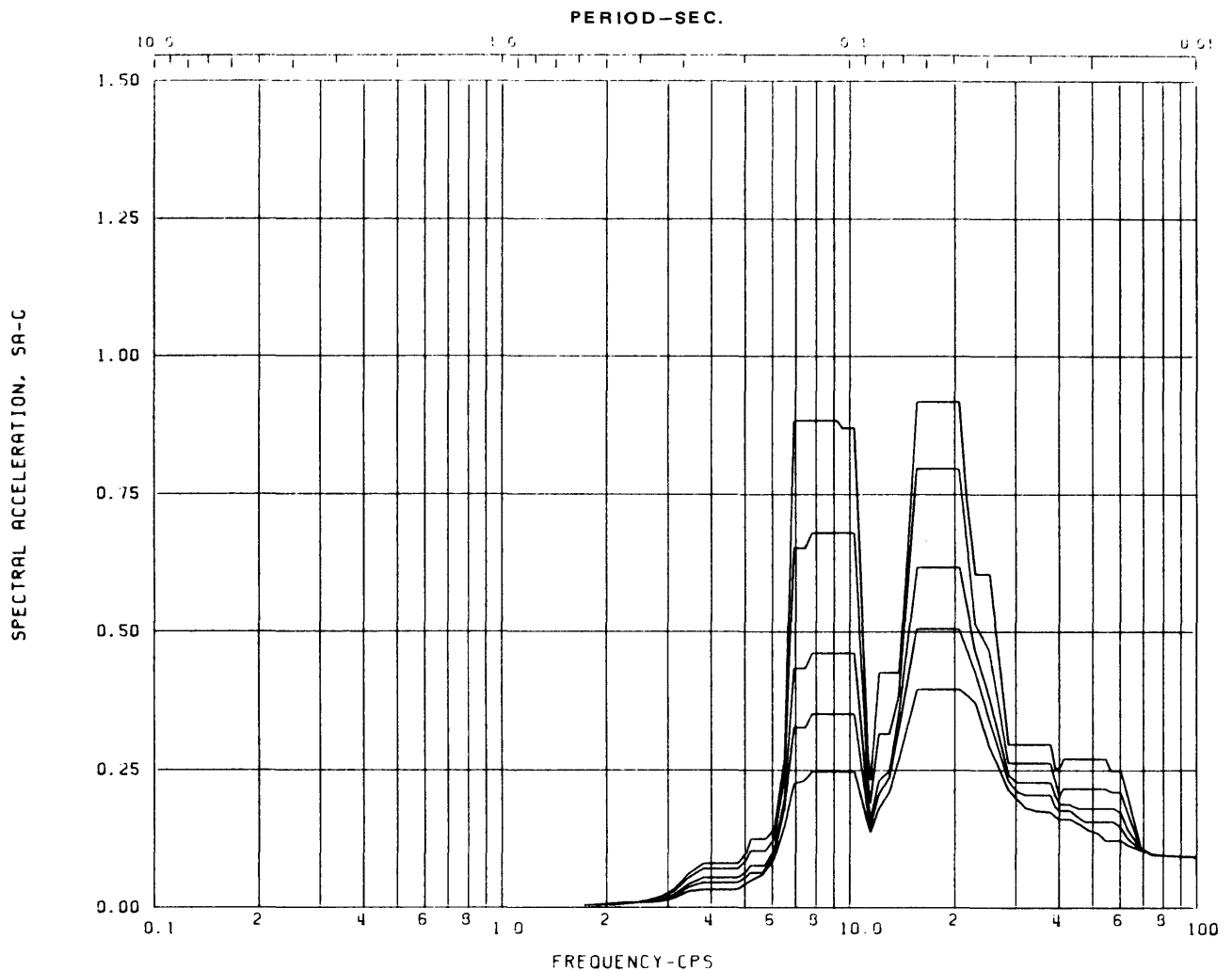
Node: 35 Direction: VERTICAL Elev: 313'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-298



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

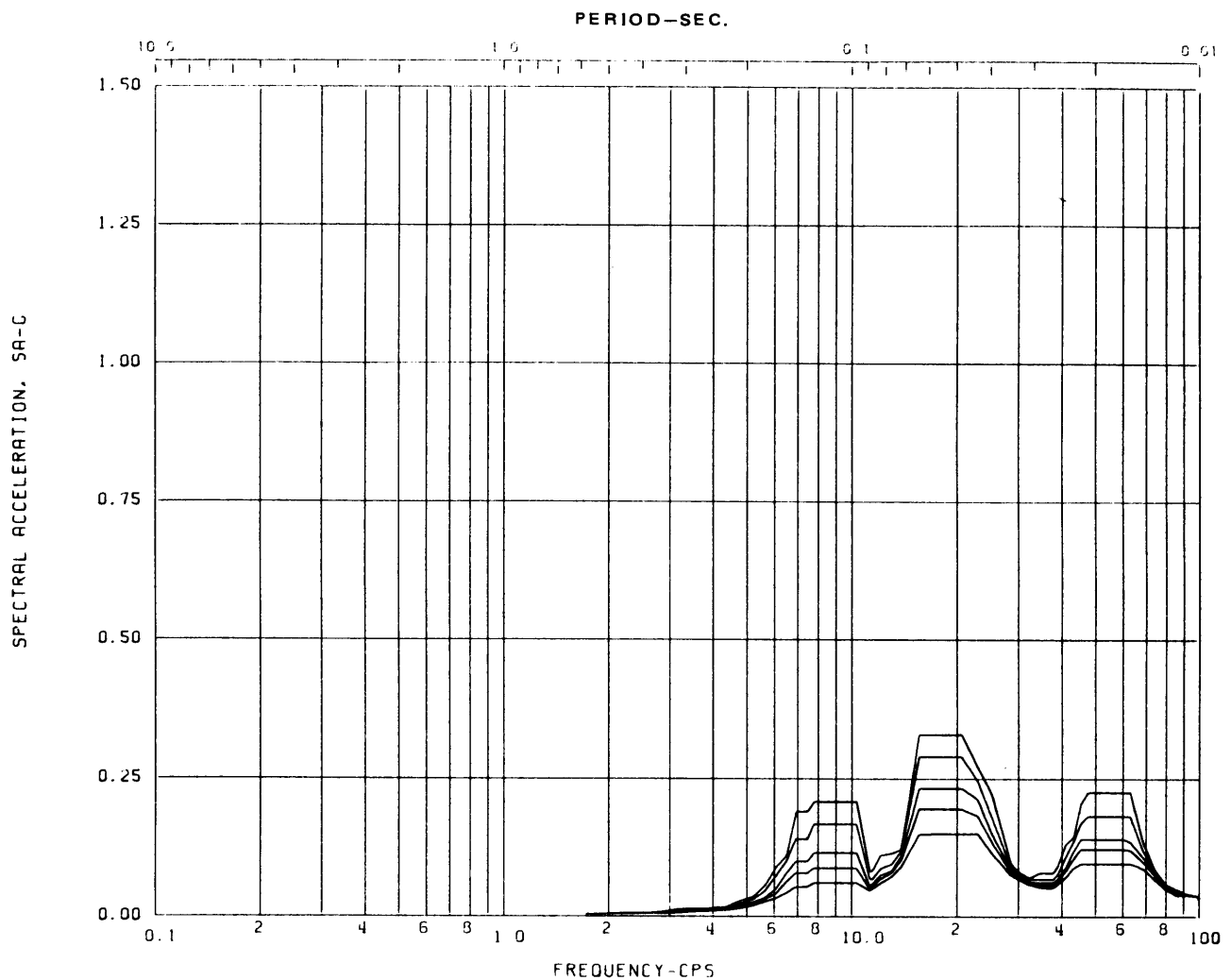
Node: 43 Direction: VERTICAL Elev: 313'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC

FIGURE 3A-299



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

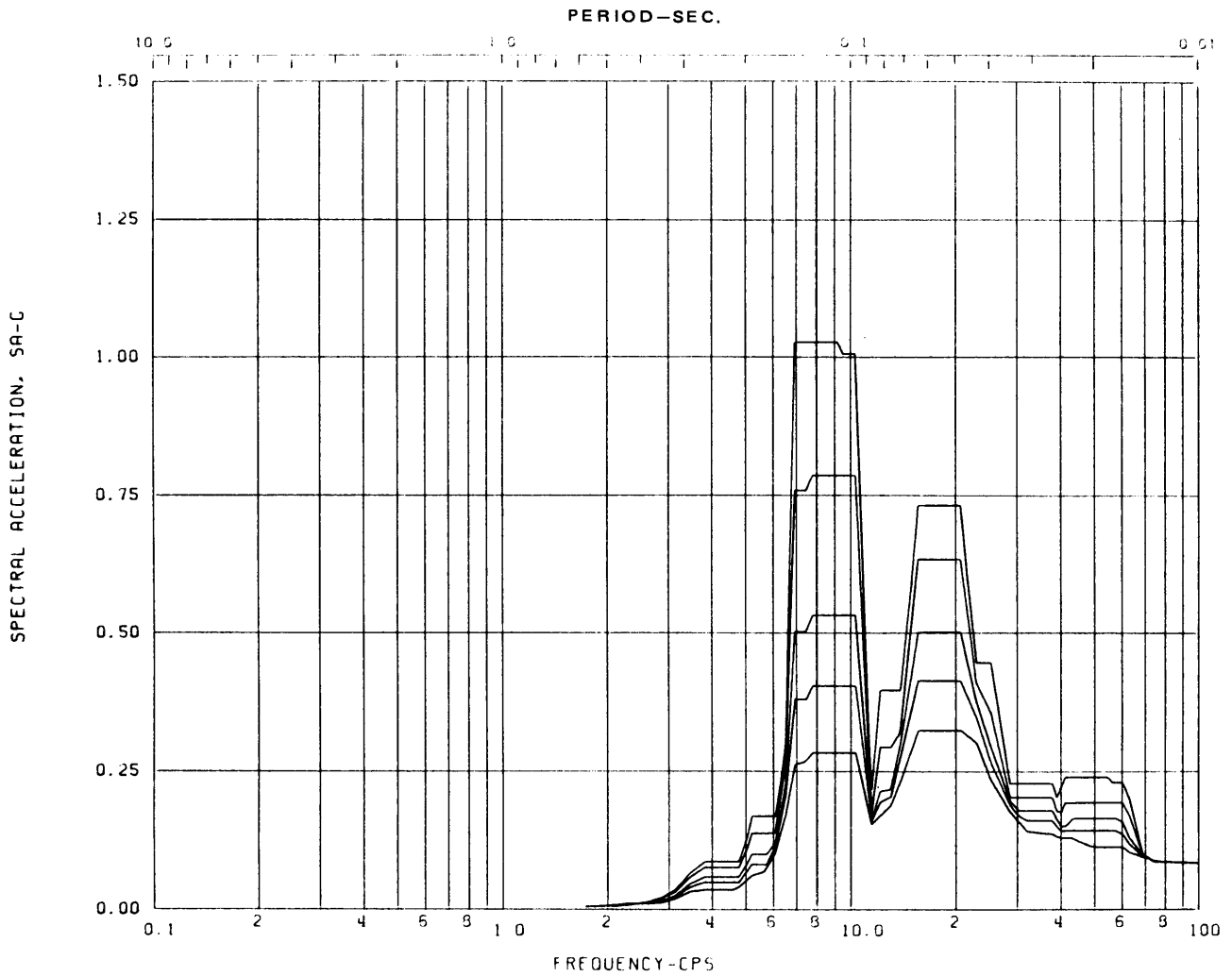
Node: 21 Direction: VERTICAL Elev: 333'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-300



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

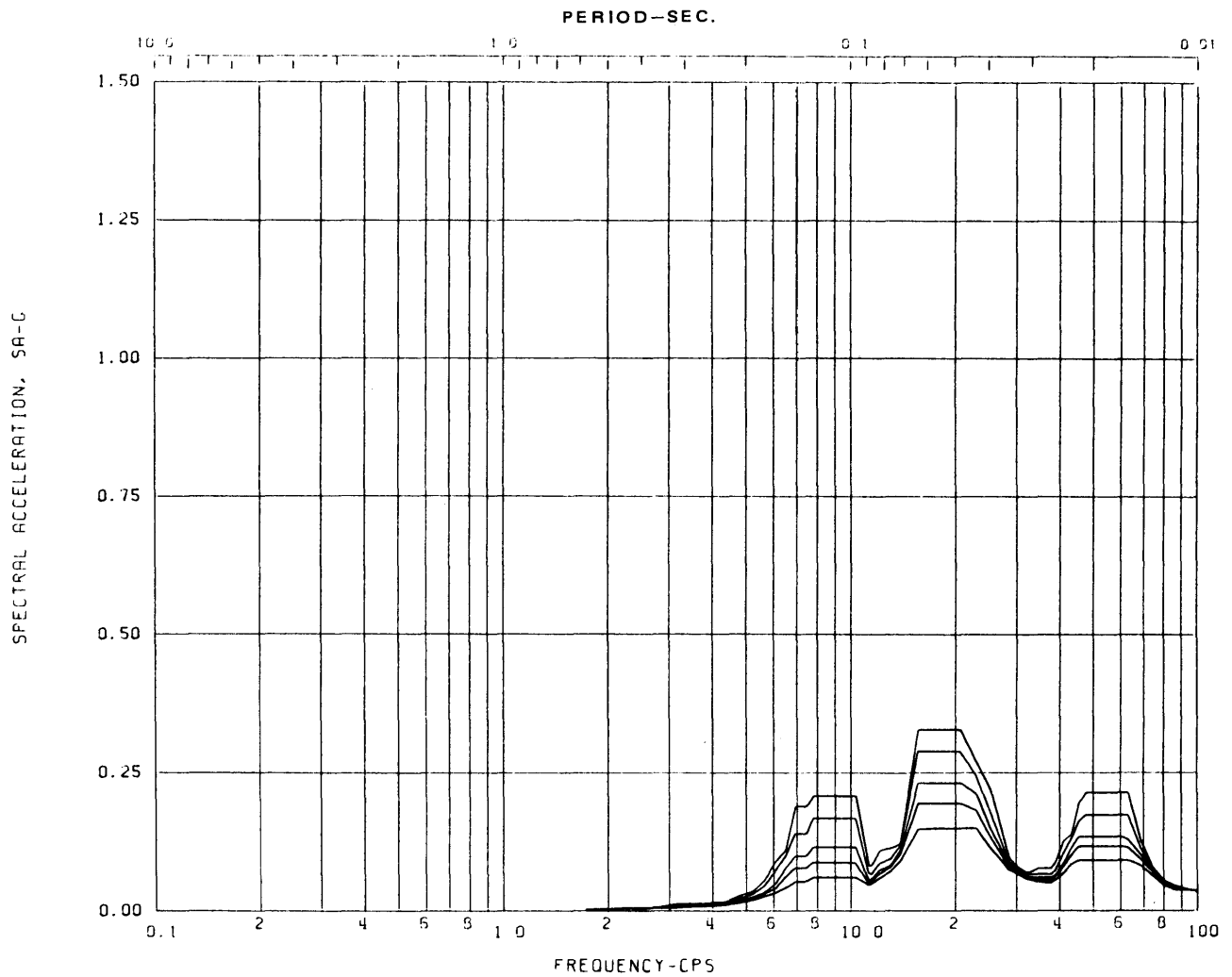
Node: 33 Direction: VERTICAL Elev: 333'-0

Damping: 0.005, 0.01, 0.02, 0.03, 0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-301



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

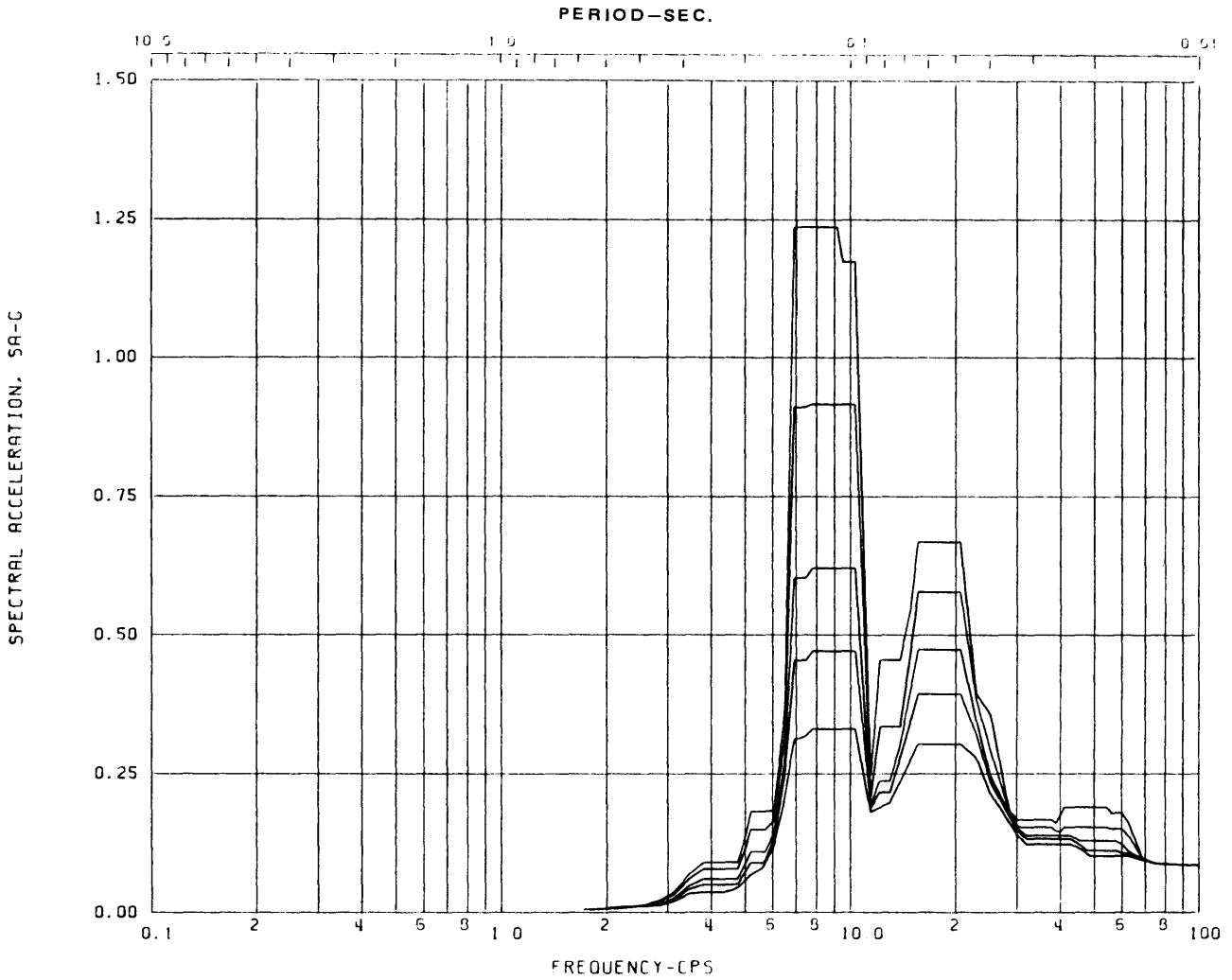
Node: 9 Direction: VERTICAL Elev: 352'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC

FIGURE 3A-302



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

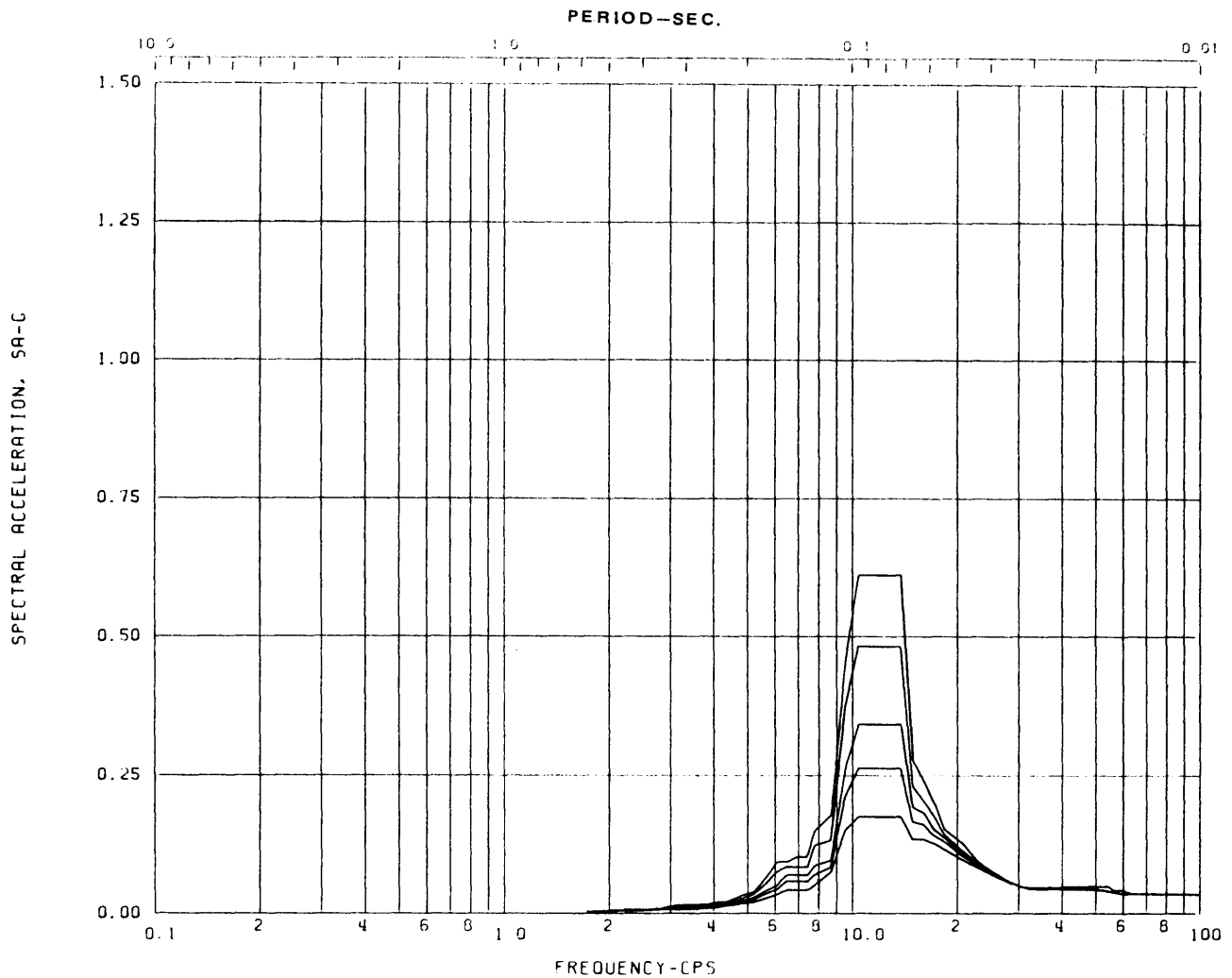
Node: 13 Direction: VERTICAL Elev: 352'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-303



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPF (WIDENED - 15%)

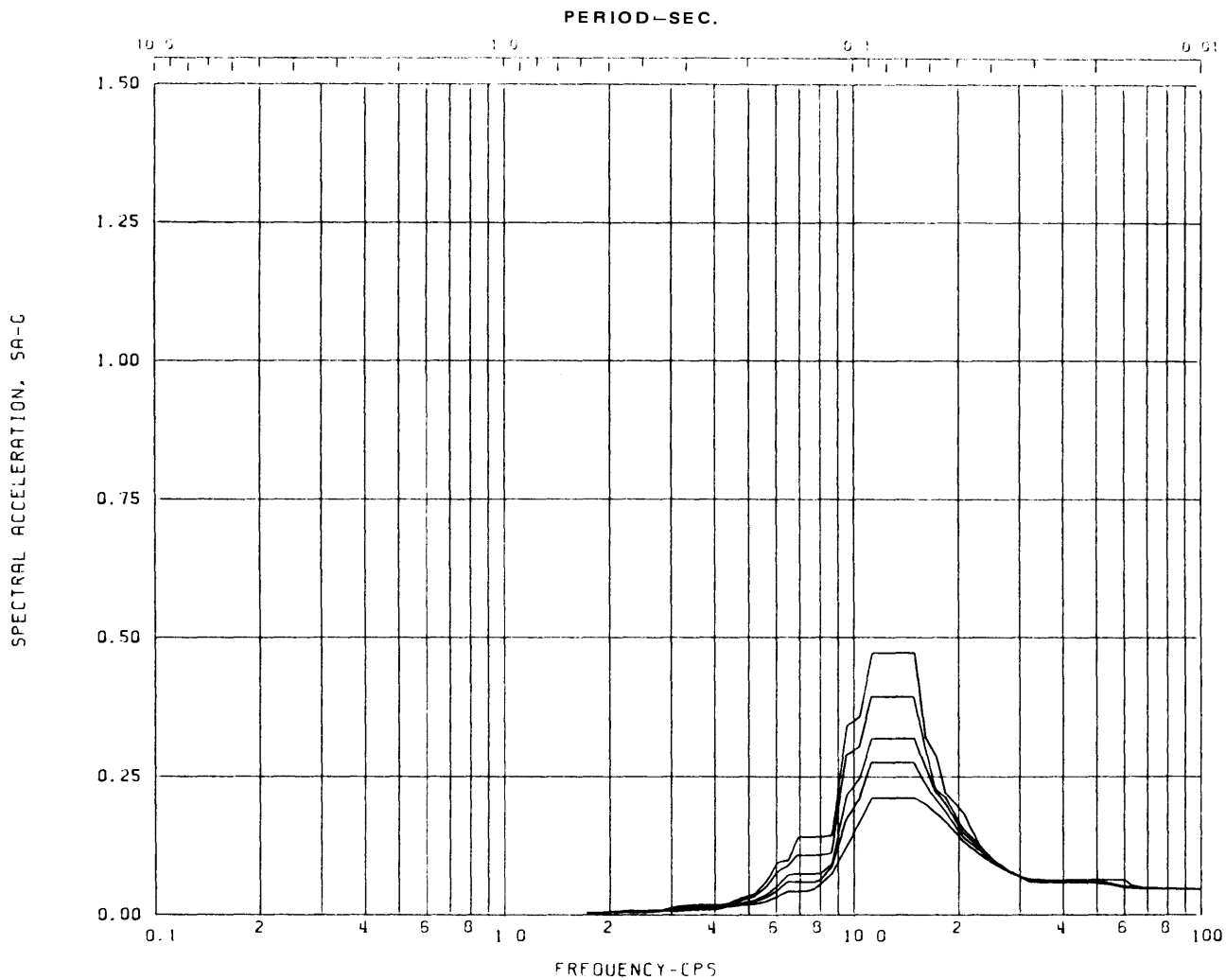
Node: 129 Direction: VERTICAL Elev: 201'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-304



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPF (WIDENED - 15%)

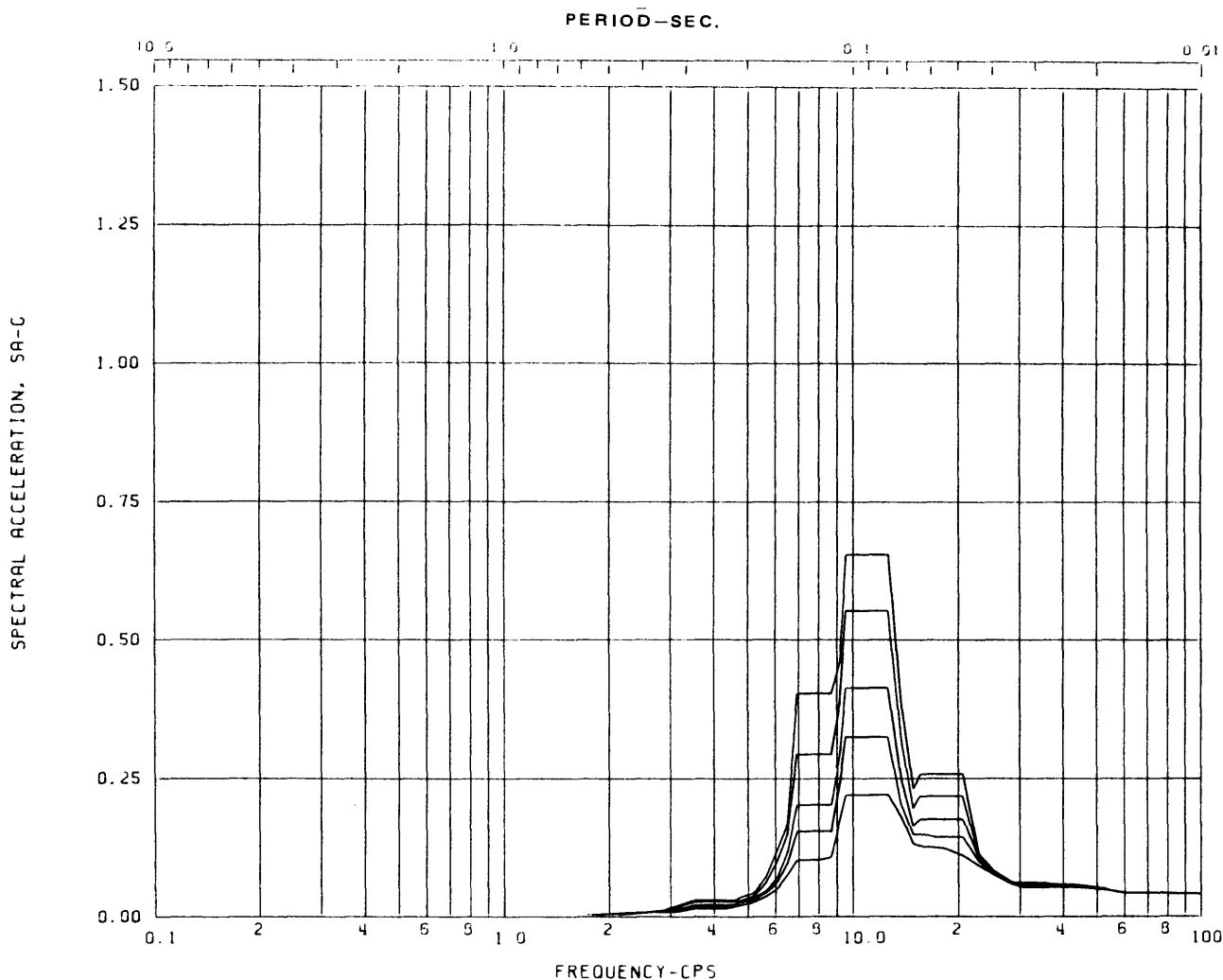
Node: 107 Direction: VERTICAL Elev: 217'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-305



Acceleration Spectra for REACTORENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

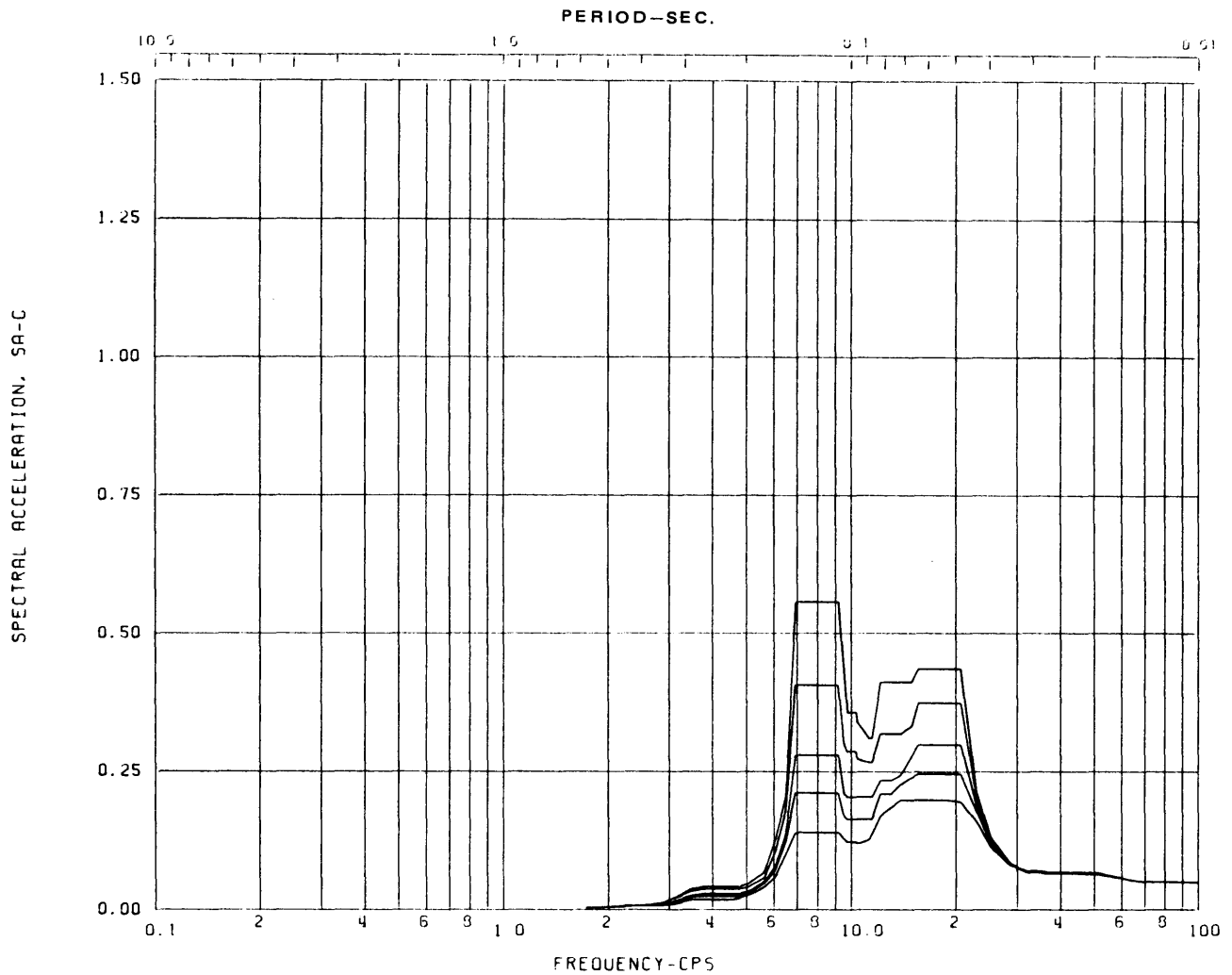
Node: 80 Direction: VERTICAL Elev: 253'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-306



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

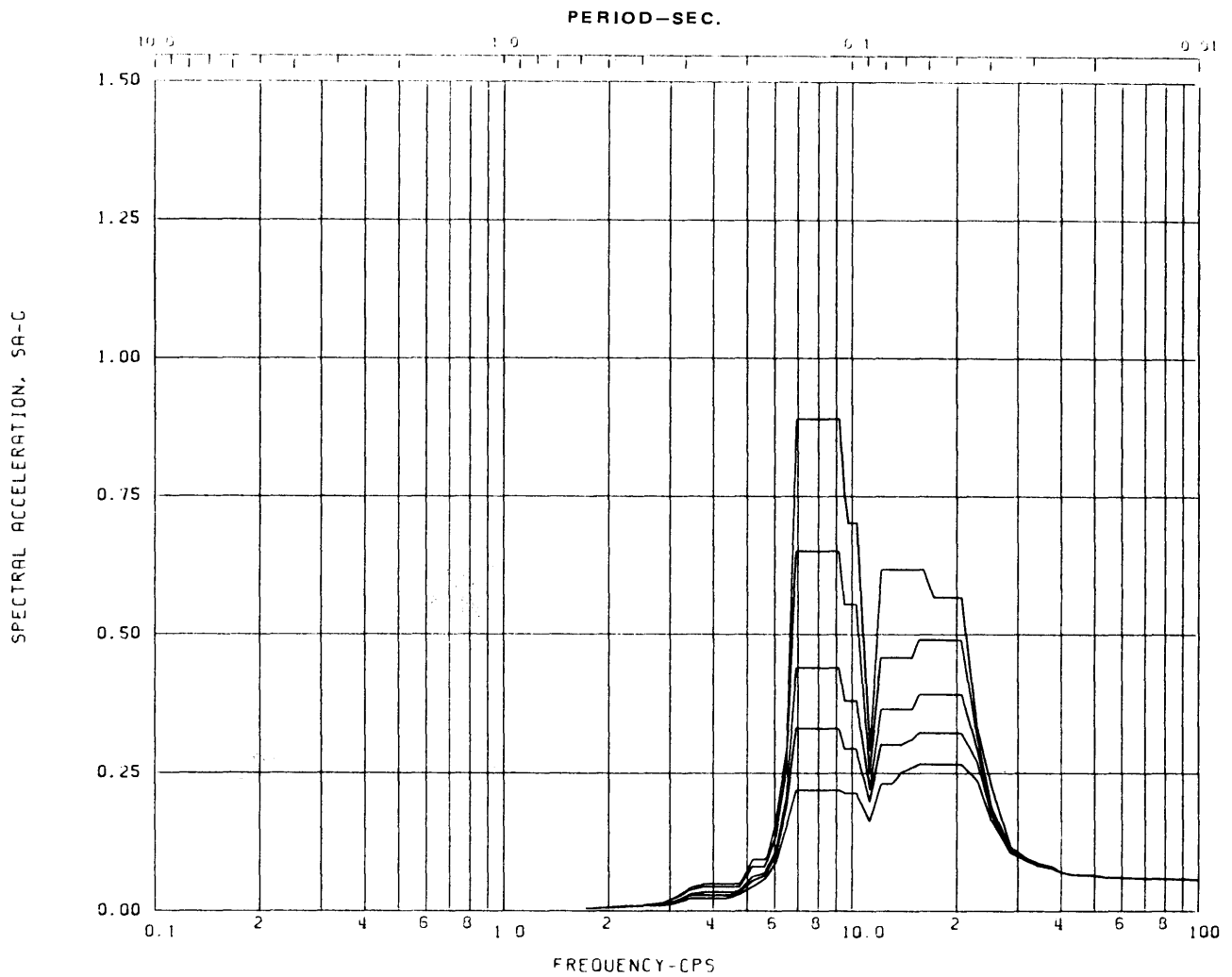
Node: 59 Direction: VERTICAL Elev: 283'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-307



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

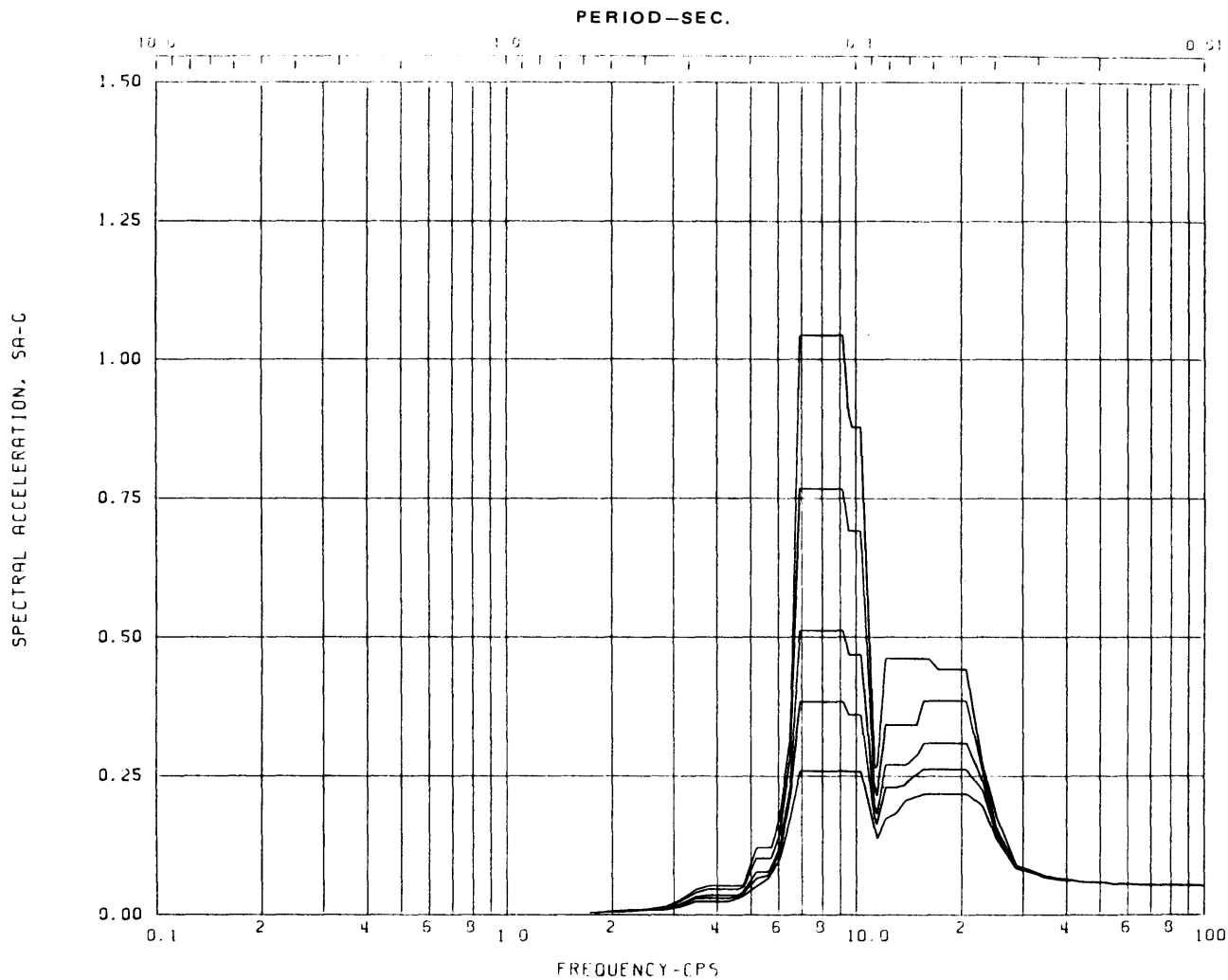
Node: 54 Direction: VERTICAL Elev: 313'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-308



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

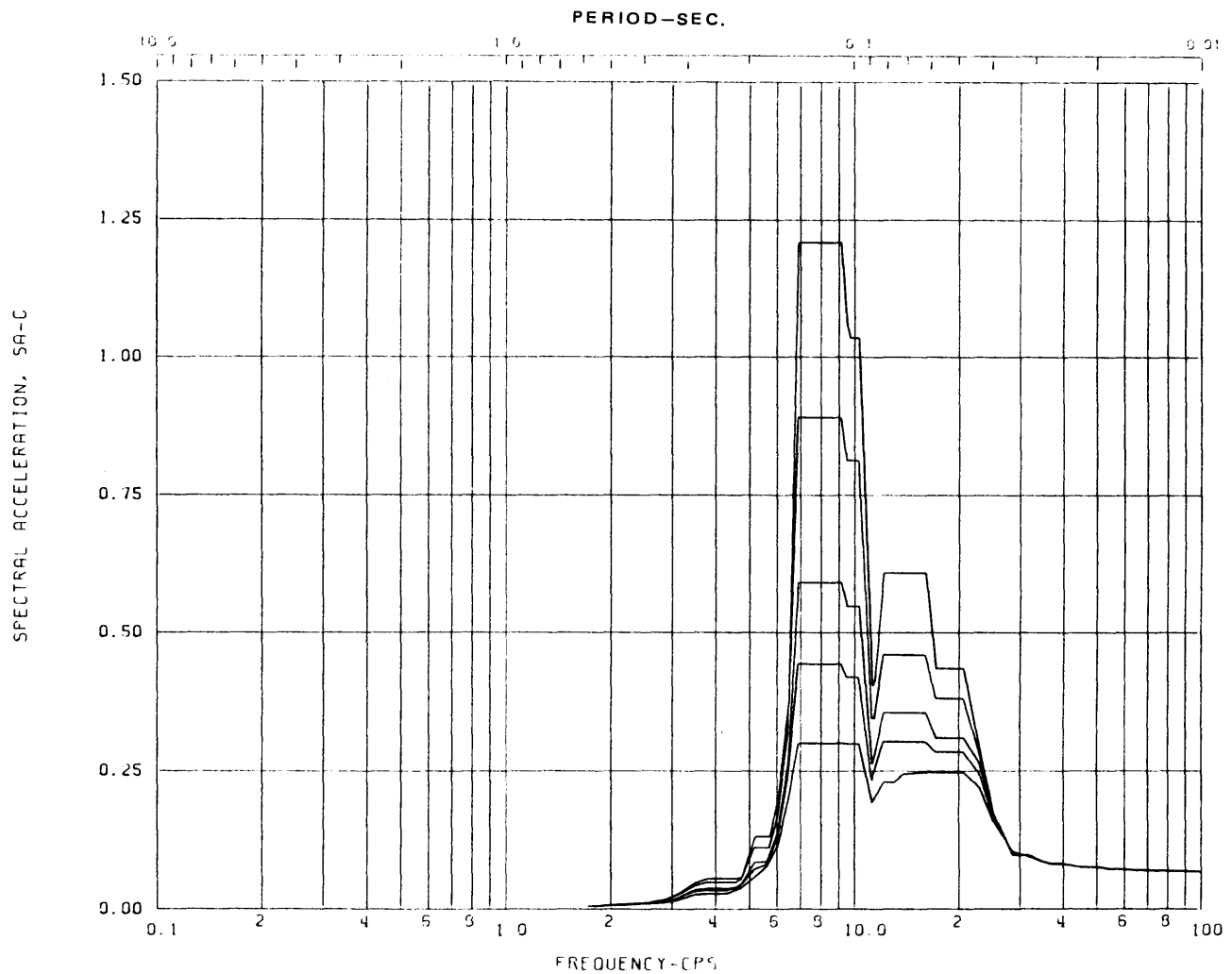
Node: 32 Direction: VERTICAL Elev: 333'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-309



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

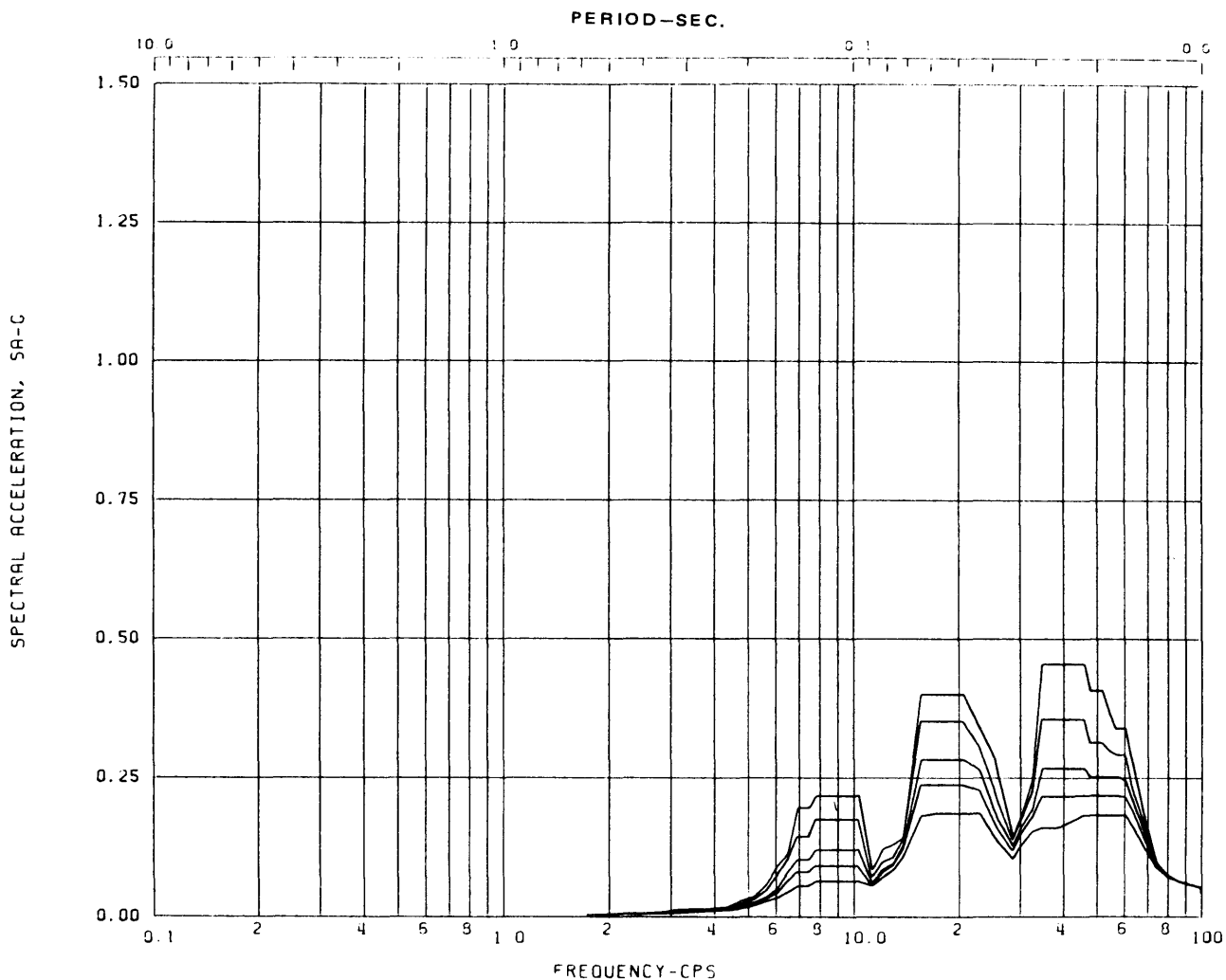
Node: 12 Direction: VERTICAL Elev: 352'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC

FIGURE 3A-310



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

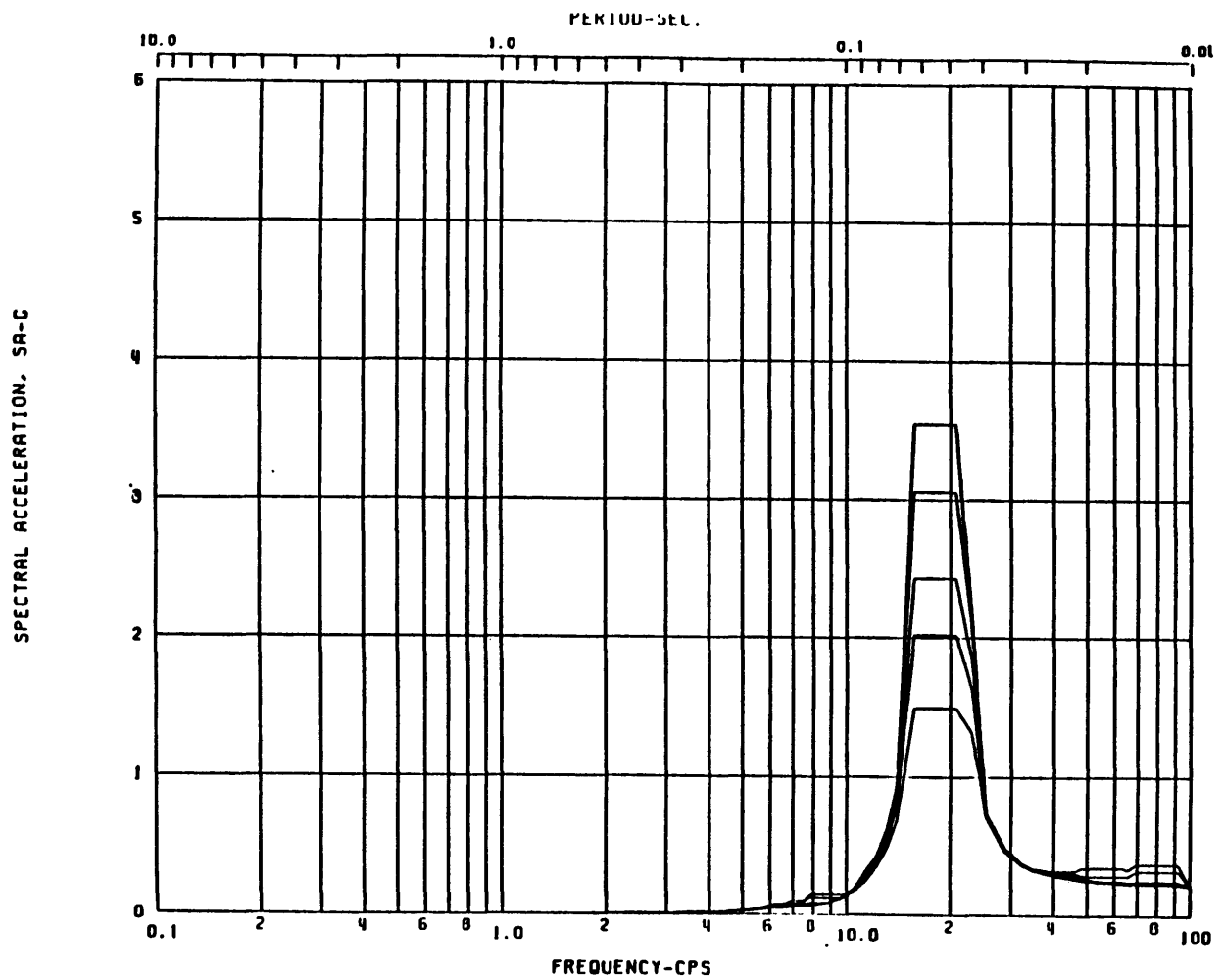
Node: 6 Direction: VERTICAL Elev: 410'-0

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-311



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPF (WIDENED - 15%)

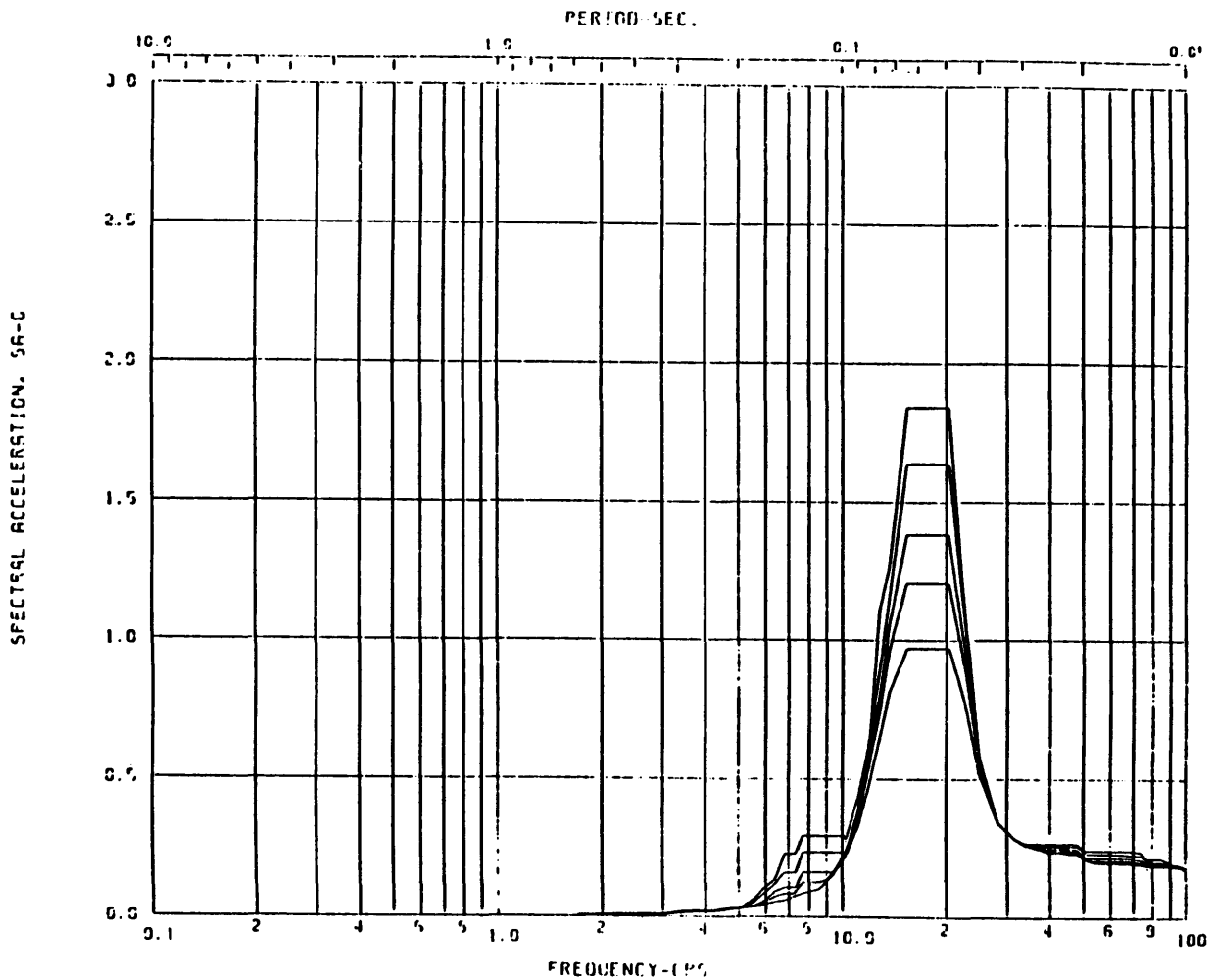
Node: 7 Direction: VERTICAL Elev: 217'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE
LOCAL RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-312



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

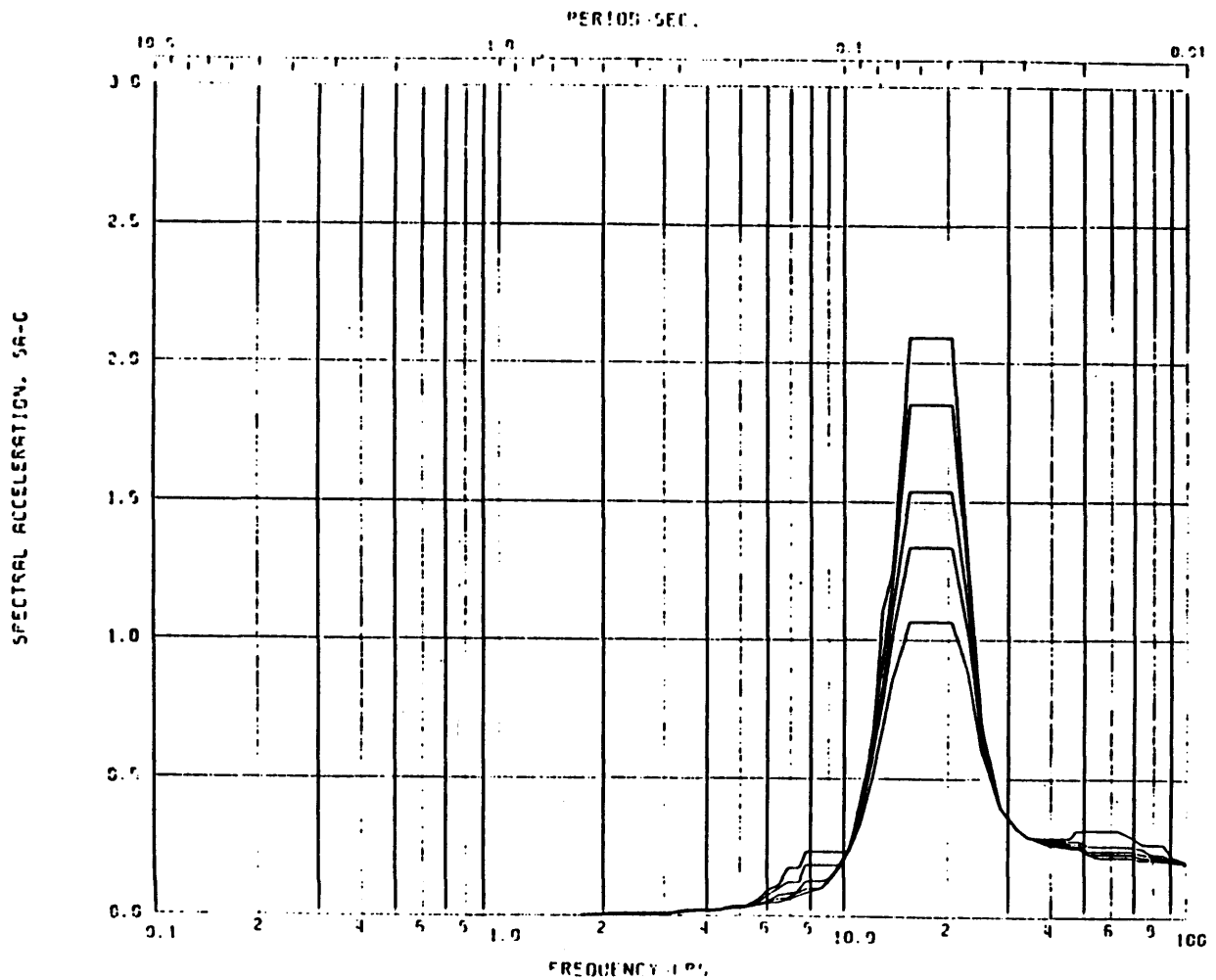
Node: 7 Direction: VERTICAL Elev: 239'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE
LOCAL RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC

FIGURE 3A-313



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

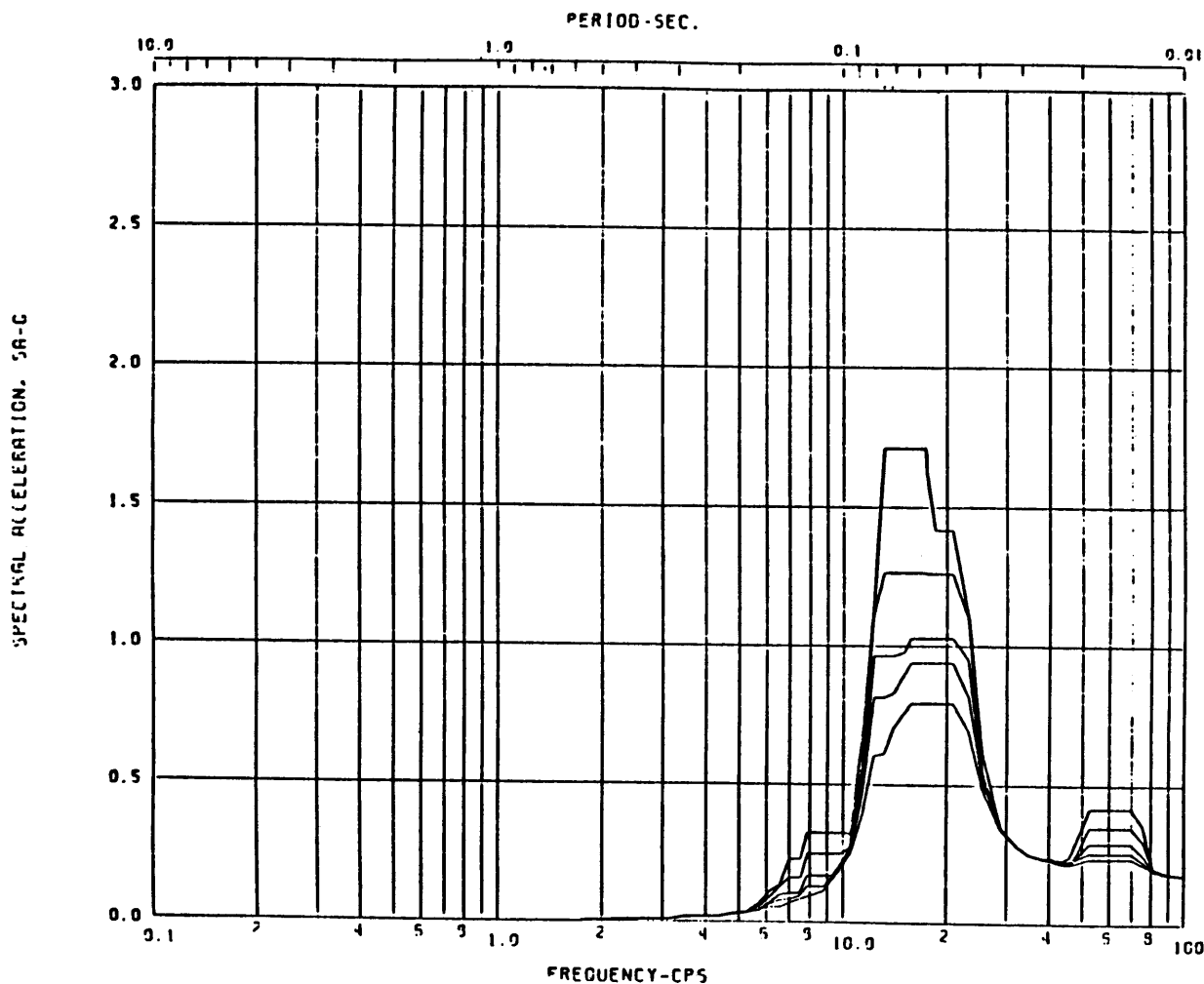
Node: 7 Direction: VERTICAL Elev: 254'

Damping: 0.005,0.01,0.02,0.03,0.05

**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE
LOCAL RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC**

FIGURE 3A-314



Acceleration Spectra for CONTROL STRUCTURE

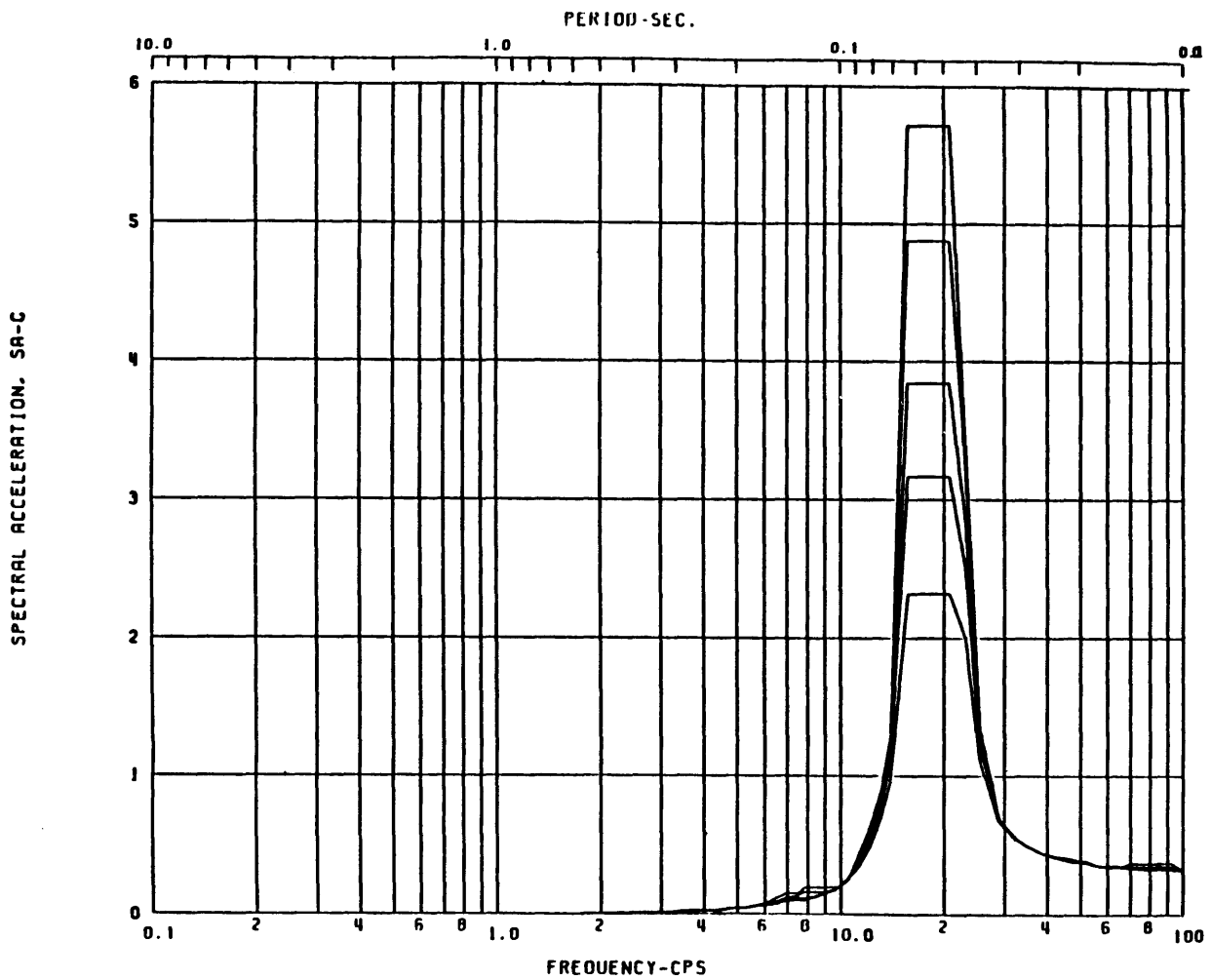
Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

Node: 7 Direction: VERTICAL Elev: 269'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT
 DESIGN ASSESSMENT REPORT
 CONTROL STRUCTURE
 LOCAL RESPONSE SPECTRA, VERTICAL,
 CO - BASIC AXISYMMETRIC

FIGURE 3A-315



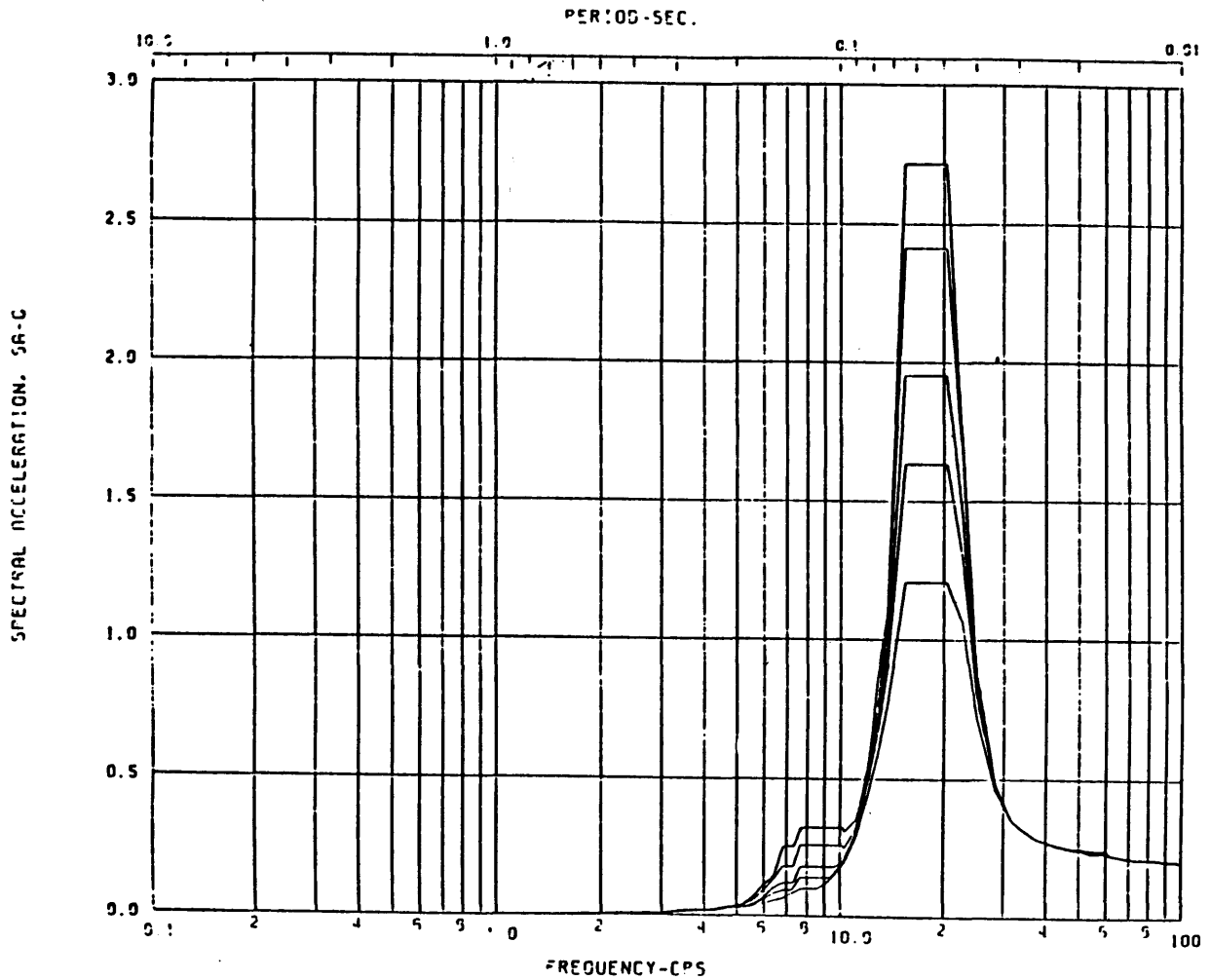
Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

Node: 7 Direction: VERTICAL Elev: 289'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT
DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE
LOCAL RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC
FIGURE 3A-316



Acceleration Spectra for CONTROL STRUCTURE

Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

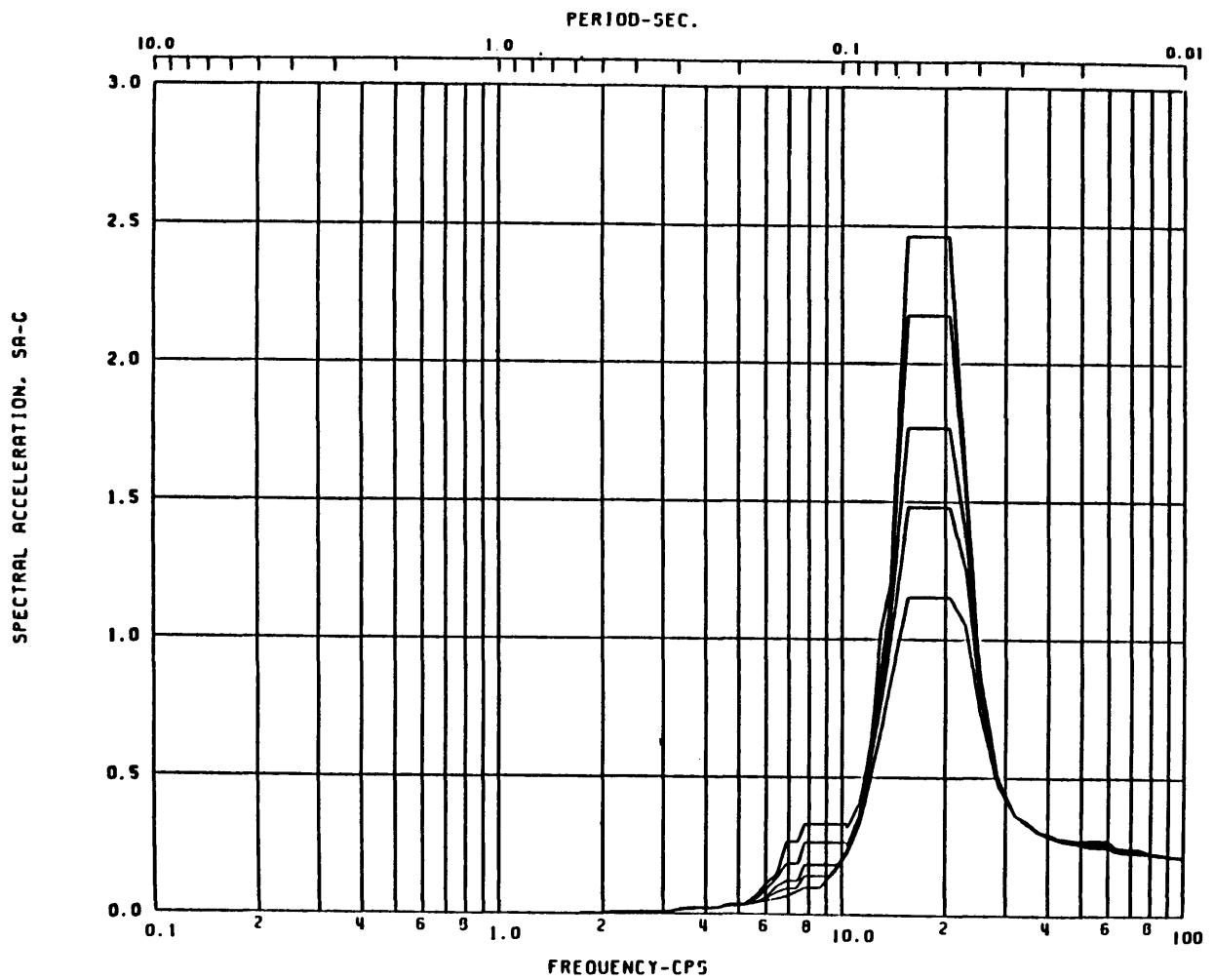
Node: 7 Direction: VERTICAL Elev: 304'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
CONTROL STRUCTURE
LOCAL RESPONSE SPECTRA, VERTICAL,
CO - BASIC AXISYMMETRIC

FIGURE 3A-317



Acceleration Spectra for CONTROL STRUCTURE

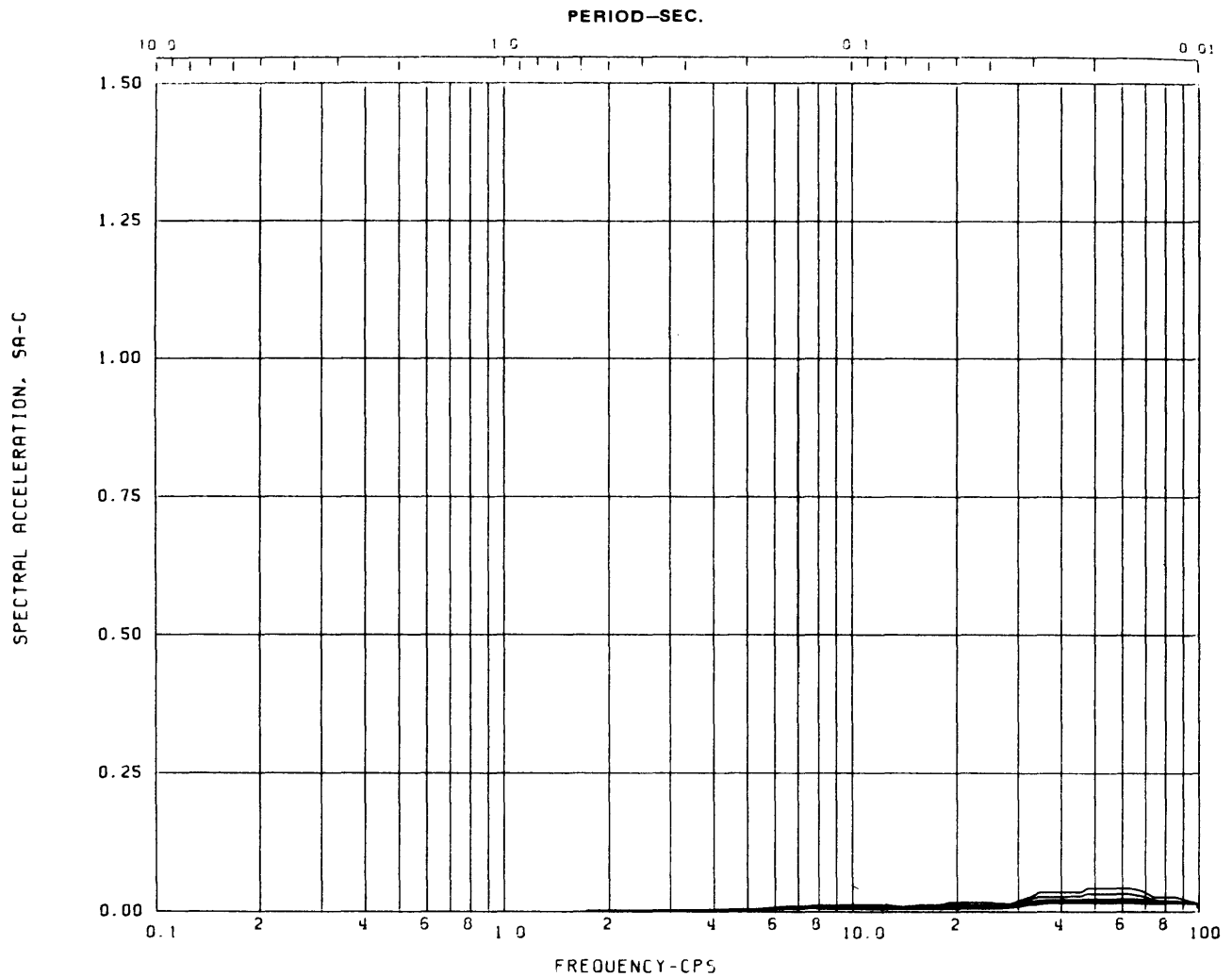
Load Case: AXISYMMETRIC GE CO-BASIC ENVELOPE (WIDENED - 15%)

Node: 7 Direction: VERTICAL Elev: 332'

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
 UNITS 1 AND 2
 UPDATED FINAL SAFETY ANALYSIS REPORT
 DESIGN ASSESSMENT REPORT
 CONTROL STRUCTURE
 LOCAL RESPONSE SPECTRA, VERTICAL,
 CO - BASIC AXISYMMETRIC

FIGURE 3A-318



Acceleration Spectra for REACTOR ENCL.

Load Case: AXISYMMETRIC GE CO-ADS ENVELOPE (WIDENED - 15%)

Node: 159 Direction: VERTICAL Elev: 177'-0

Damping: 0.005,0.01,0.02,0.03,0.05

LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT

DESIGN ASSESSMENT REPORT
REACTOR ENCLOSURE GLOBAL
RESPONSE SPECTRA, VERTICAL,
CO - ADS AXISYMMETRIC

FIGURE 3A-319