

FOR INFORMATION

GENERATED AMPLIFIED RESPONSE
SPECTRA FOR CATEGORY I
STRUCTURES
MAINE YANKEE ATOMIC POWER STATION

Copy # 1

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
1	Containment Shell: Uncracked Case	SSE	N-S	48.0	2.0	U
2	"	"	N-S	48.0	2.0	B
3	"	"	E-W	48.0	2.0	U
4	"	"	E-W	48.0	2.0	B
5	"	"	Vertical	48.0	2.0	U
6	"	"	Vertical	48.0	2.0	B
7	"	"	N-S	98.0	2.0	U
8	"	"	N-S	98.0	2.0	B
9	"	"	E-W	98.0	2.0	U
10	"	"	E-W	98.0	2.0	B
11	"	"	Vertical	98.0	2.0	U
12	"	"	Vertical	98.0	2.0	B
13	"	"	N-S	149.0	2.0	U
14	"	"	E-W	149.0	2.0	B
15	"	"	E-W	149.0	2.0	U
16	"	"	E-W	149.0	2.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	% Damping	*
17	Containment Shell: Uncracked Case	SSE	Vertical	149.0	2.0	U
18	"	"	Vertical	149.0	2.0	B
19	"	OBE	N-S	48.0	1.0	U
20	"	"	N-S	48.0	1.0	B
21	"	"	E-W	48.0	1.0	U
22	"	"	E-W	48.0	1.0	B
23	"	"	Vertical	48.0	1.0	U
24	"	"	Vertical	48.0	1.0	B
25	"	"	N-S	98.0	1.0	U
26	"	"	N-S	98.0	1.0	B
27	"	"	E-W	98.0	1.0	U
28	"	"	E-W	98.0	1.0	B
29	"	"	Vertical	98.0	1.0	U
30	"	"	Vertical	98.0	1.0	B
31	"	"	N-S	149.0	1.0	U
32	"	"	N-S	149.0	1.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
33	Containment Shell: Uncracked Case	OBE	E-W	149.0	1.0	U
34	"	"	E-W	149.0	1.0	B
35	"	"	Vertical	149.0	1.0	U
36	"	"	Vertical	149.0	1.0	B
37	Containment Shell: Cracked Case	SSE	N-S	48.0	2.0	U
38	"	"	N-S	48.0	2.0	B
39	"	"	E-W	48.0	2.0	U
40	"	"	E-W	48.0	2.0	B
41	"	"	Vertical	48.0	2.0	U
42	"	"	Vertical	48.0	2.0	B
43	"	"	N-S	98.0	2.0	U
44	"	"	N-S	98.0	2.0	B
45	"	"	E-W	98.0	2.0	U
46	"	"	E-W	98.0	2.0	B
47	"	"	Vertical	98.0	2.0	U
48	"	"	Vertical	98.0	2.0	B

*B-Buck Buckle + 1/4" U-Bolt

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
49	Containment Shell; Cracked Case	SSE	N-S	149.0	2.0	U
50	"	"	N-S	149.0	2.0	B
51	"	"	E-W	149.0	2.0	U
52	"	"	E-W	149.0	2.0	B
53	"	"	Vertical	149.0	2.0	U
54	"	"	Vertical	149.0	2.0	B
55	"	OBE	N-S	48.0	1.0	U
56	"	"	N-S	48.0	1.0	B
57	"	"	E-W	48.0	1.0	U
58	"	"	E-W	48.0	1.0	B
59	"	"	Vertical	48.0	1.0	U
60	"	"	Vertical	48.0	1.0	B
61	"	"	N-S	98.0	1.0	U
62	"	"	N-S	98.0	1.0	B
63	"	"	E-W	98.0	1.0	U
64	"	"	E-W	98.0	1.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
65	Containment Shell: Cracked Case	OBE	Vertical	98.0	1.0	U
66	"	"	Vertical	98.0	1.0	B
67	"	"	N-S	149.0	1.0	U
68	"	"	N-S	149.0	1.0	B
69	"	"	E-W	149.0	1.0	U
70	"	"	E-W	149.0	1.0	B
71	"	"	Vertical	149.0	1.0	U
72	"	"	Vertical	149.0	1.0	B
73	Containment Internals	SSE	N-S	20.0	2.0	U
74	"	"	N-S	20.0	2.0	B
75	"	"	E-W	20.0	2.0	U
76	"	"	E-W	20.0	2.0	B
77	"	"	Vertical	20.0	2.0	U
78	"	"	Vertical	20.0	2.0	B
79	"	"	N-S	46.0	2.0	U
80	"	"	N-S	46.0	2.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
81	Containment Internals	SSE	E-W	46.0	2.0	U
82	"	"	E-W	46.0	2.0	B
83	"	"	Vertical	46.0	2.0	U
84	"	"	Vertical	46.0	2.0	B
85	"	"	N-S	95.5	2.0	U
86	"	"	N-S	95.5	2.0	B
87	"	"	E-W	95.5	2.0	U
88	"	"	E-W	95.5	2.0	B
89	"	"	Vertical	95.5	2.0	U
90	"	"	Vertical	95.5	2.0	B
91	"	OBE	N-S	20.0	1.0	U
92	"	"	N-S	20.0	1.0	B
93	"	"	E-W	20.0	1.0	U
94	"	"	E-W	20.0	1.0	B
95	"	"	Vertical	20.0	1.0	U
96	"	"	Vertical	20.0	1.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
97	Containment Internals.	OBE	N-S	46.0	1.0	U
98	"	"	N-S	46.0	1.0	B
99	"	"	E-W	46.0	1.0	U
100	"	"	E-W	46.0	1.0	B
101	"	"	Vertical	46.0	1.0	U
102	"	"	Vertical	46.0	1.0	B
103	"	"	N-S	95.5	1.0	U
104	"	"	N-S	95.5	1.0	B
105	"	"	E-W	95.5	1.0	U
106	"	"	E-W	95.5	1.0	B
107	"	"	Vertical	95.5	1.0	U
108	"	"	Vertical	95.5	1.0	B
109	Main Steam Valve House Concrete Structure	SSE	N-S	68.5	2.0,3.0,7.0	U
110	"	"	N-S	68.5	2.0,3.0,7.0	B
111	"	"	E-W	68.5	2.0,3.0,7.0	U
112	"	"	E-W	68.5	2.0,3.0,7.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
113	Main Steam Valve House. Concrete Structure	SSE	Vertical	68.5	2.0,3.0,7.0	U
114	"	"	Vertical	68.5	2.0,3.0,7.0	B
115	"	OBE	N-S	68.5	1.0,2.0,4.0	U
116	"	"	N-S	68.5	1.0,2.0,4.0	B
117	"	"	E-W	68.5	1.0,2.0,4.0	U
118	"	"	E-W	68.5	1.0,2.0,4.0	B
119	"	"	Vertical	68.5	1.0,2.0,4.0	U
120	"	"	Vertical	68.5	1.0,2.0,4.0	B
121	Main Steam Valve House Concrete Structure	SSE	N-S	55.0	2.0,3.0,7.0	U
122	Steel Platform	"	N-S	55.0	2.0,3.0,7.0	B
123	"	"	E-W	55.0	2.0,3.0,7.0	U
124	"	"	E-W	55.0	2.0,3.0,7.0	B
125	"	"	Vertical	55.0	2.0,3.0,7.0	U
126	"	"	Vertical	55.0	2.0,3.0,7.0	B
127	"	OBE	N-S	55.0	1.0,2.0,4.0	U
128	"	"	N-S	55.0	1.0,2.0,4.0	B

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129	Main Steam Valve House Steel Platform	OBE	E-W	55.0	1.0,2.0,4.0	U
130	"	"	E-W	55.0	1.0,2.0,4.0	B
131	"	"	Vertical	55.0	1.0,2.0,4.0	U
132	"	"	Vertical	55.0	1.0,2.0,4.0	B
133	Containment Spray Pump House	SSE	N-S	30.0	2.0,3.0,7.0	U
134	"	"	N-S	30.0	2.0,3.0,7.0	B
135	"	"	E-W	30.0	2.0,3.0,7.0	U
136	"	"	E-W	30.0	2.0,3.0,7.0	B
137	"	"	Vertical	30.0	2.0,3.0,7.0	U
138	"	"	Vertical	30.0	2.0,3.0,7.0	B
139	"	OBE	N-S	30.0	1.0,2.0,4.0	U
140	"	"	N-S	30.0	1.0,2.0,4.0	B
141	"	"	E-W	30.0	1.0,2.0,4.0	U
142	"	"	E-W	30.0	1.0,2.0,4.0	B
143	"	"	Vertical	30.0	1.0,2.0,4.0	U
144	"	"	Vertical	30.0	1.0,2.0,4.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
145 *VOID*	Turbine/Service Bldg. SUPERSEDED BY NO. 205	SSE	N-S	39.0	2.0,3.0,7.0	U
146 *VOID*	" SUPERSEDED BY NO. 206	"	N-S	39.0	2.0,3.0,7.0	B
147 *VOID*	" SUPERSEDED BY NO. 207	"	E-W	39.0	2.0,3.0,7.0	U
148 *VOID*	" SUPERSEDED BY NO. 208	"	E-W	39.0	2.0,3.0,7.0	B
149	"	"	Vertical	39.0	2.0,3.0,7.0	U
150	"	"	Vertical	39.0	2.0,3.0,7.0	B
151 *VOID*	" SUPERSEDED BY NO. 209	"	N-S	61.0	2.0,3.0,7.0	U
152 *VOID*	" SUPERSEDED BY NO. 210	"	N-S	61.0	2.0,3.0,7.0	B
153 *VOID*	" SUPERSEDED BY NO. 211	"	E-W	61.0	2.0,3.0,7.0	U
154 *VOID*	" SUPERSEDED BY NO. 212	"	E-W	61.0	2.0,3.0,7.0	B
155	"	"	Vertical	61.0	2.0,3.0,7.0	U
156	"	"	Vertical	61.0	2.0,3.0,7.0	B
157 *VOID*	" SUPERSEDED BY NO. 213	OBE	N-S	39.0	1.0,2.0,4.0	U
158 *VOID*	" SUPERSEDED BY NO. 214	"	N-S	39.0	1.0,2.0,4.0	B
159 *VOID*	" SUPERSEDED BY NO. 215	"	E-W	39.0	1.0,2.0,4.0	U
160 *VOID*	" SUPERSEDED BY NO. 216	"	E-W	39.0	1.0,2.0,4.0	B

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Curve No.	Structure	E:Q.	Direction	Elev.	Damping	*
161	Turbine/Service Building	OBE	Vertical	39.0	1.0,2.0,4.0	U
162	"	"	Vertical	39.0	1.0,2.0,4.0	B
163 *VOID*	" SUPERSEDED BY NO. 217	"	N-S	61.0	1.0,2.0,4.0	U
164 *VOID*	" SUPERSEDED BY NO. 218	"	N-S	61.0	1.0,2.0,4.0	B
165 *VOID*	" SUPERSEDED BY NO. 219	"	E-W	61.0	1.0,2.0,4.0	U
166 *VOID*	" SUPERSEDED BY NO. 220	"	E-W	61.0	1.0,2.0,4.0	B
167	"	"	Vertical	61.0	1.0,2.0,4.0	U
168	"	"	Vertical	61.0	1.0,2.0,4.0	B
169	Primary Auxiliary Building	SSE	N-S	21.0	2.0,3.0,7.0	U
170	"	"	N-S	21.0	2.0,3.0,7.0	B
171	"	"	E-W	21.0	2.0,3.0,7.0	U
172	"	"	E-W	21.0	2.0,3.0,7.0	B
173	"	"	Vertical	21.0	2.0,3.0,7.0	U
174	"	"	Vertical	21.0	2.0,3.0,7.0	B
175	"	"	N-S	36.0	2.0,3.0,7.0	U
176	"	"	N-S	36.0	2.0,3.0,7.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
177	Primary Auxiliary Building	SSE	E-W	36.0	2.0,3.0,7.0	U
178	"	"	E-W	36.0	2.0,3.0,7.0	B
179	"	"	Vertical	36.0	2.0,3.0,7.0	U
180	"	"	Vertical	36.0	2.0,3.0,7.0	B
181	"	"	N-S	54.0	2.0,3.0,7.0	U
182	"	"	N-S	54.0	2.0,3.0,7.0	B
183	"	"	E-W	54.0	2.0,3.0,7.0	U
184	"	"	E-W	54.0	2.0,3.0,7.0	B
185	"	"	Vertical	54.0	2.0,3.0,7.0	U
186	"	"	Vertical	54.0	2.0,3.0,7.0	B
187	"	OBE	N-S	21.0	1.0,2.0,4.0	U
188	"	"	N-S	21.0	1.0,2.0,4.0	B
189	"	"	E-W	21.0	1.0,2.0,4.0	U
190	"	"	E-W	21.0	1.0,2.0,4.0	B
191	"	"	Vertical	21.0	1.0,2.0,4.0	U
192	"	"	Vertical	21.0	1.0,2.0,4.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
193	Primary Auxiliary Building	OBE	N-S	36.0	1.0,2.0,4.0	U
194	"	"	N-S	36.0	1.0,2.0,4.0	B
195	"	"	E-W	36.0	1.0,2.0,4.0	U
196	"	"	E-W	36.0	1.0,2.0,4.0	B
197	"	"	Vertical	36.0	1.0,2.0,4.0	U
198	"	"	Vertical	36.0	1.0,2.0,4.0	B
199	"	"	N-S	54.0	1.0,2.0,4.0	U
200	"	"	N-S	54.0	1.0,2.0,4.0	B
201	"	"	E-W	54.0	1.0,2.0,4.0	U
202	"	"	E-W	54.0	1.0,2.0,4.0	B
203	"	"	Vertical	54.0	1.0,2.0,4.0	U
204	"	"	Vertical	54.0	1.0,2.0,4.0	B
205	Turbine/Service Building	SSE	N-S	39.0	2.0,3.0,7.0	U
206	"	"	N-S	39.0	2.0,3.0,7.0	B
207	"	"	E-W	39.0	2.0,3.0,7.0	U
208	"	"	E-W	39.0	2.0,3.0,7.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	% Damping	*
209	Turbine/Service Building	SSE	N-S	61.0	2.0,3.0,7.0	U
210	"	"	N-S	61.0	2.0,3.0,7.0	B
211	"	"	E-W	61.0	2.0,3.0,7.0	U
212	"	"	E-W	61.0	2.0,3.0,7.0	B
213	"	OBE	N-S	39.0	1.0,2.0,4.0	U
214	"	"	N-S	39.0	1.0,2.0,4.0	B
215	"	"	E-W	39.0	1.0,2.0,4.0	U
216	"	"	E-W	39.0	1.0,2.0,4.0	B
217	"	"	N-S	61.0	1.0,2.0,4.0	U
218	"	"	N-S	61.0	1.0,2.0,4.0	B
219	"	"	E-W	61.0	1.0,2.0,4.0	U
220	"	"	E-W	61.0	1.0,2.0,4.0	B
221	Containment Shell: Uncracked case	SSE	N-S	48.0	3.0	U
222	"	"	N-S	48.0	3.0	B
223	"	"	N-S	48.0	7.0	U
224	"	"	N-S	48.0	7.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
225	Containment Shell: Uncracked Case	SSE	E-W	48.0	3.0	U
226	"	"	E-W	48.0	3.0	B
227	"	"	E-W	48.0	7.0	U
228	"	"	E-W	48.0	7.0	B
229	"	"	Vertical	48.0	3.0	U
230	"	"	Vertical	48.0	3.0	B
231	"	"	Vertical	48.0	7.0	U
232	"	"	Vertical	48.0	7.0	B
233	"	"	N-S	98.0	3.0, 7.0	U
234	"	"	N-S	98.0	3.0, 7.0	B
235	"	"	E-W	98.0	3.0, 7.0	U
236	"	"	E-W	98.0	3.0, 7.0	B
237	"	"	Vertical	98.0	3.0, 7.0	U
238	"	"	Vertical	98.0	3.0, 7.0	B
239	"	"	N-S	149.0	3.0, 7.0	U
240	"	"	N-S	149.0	3.0, 7.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
241	Containment Shell: Uncracked Case	SSE	E-W	149.0	3.0,7.0	U
242	"	"	E-W	149.0	3.0,7.0	B
243	"	"	Vertical	149.0	3.0,7.0	U
244	"	"	Vertical	149.0	3.0,7.0	B
245	"	OBE	N-S	48.0	2.0	U
246	"	"	N-S	48.0	2.0	B
247	"	"	N-S	48.0	4.0	U
248	"	"	N-S	48.0	4.0	B
249	"	"	E-W	48.0	2.0	U
250	"	"	E-W	48.0	2.0	B
251	"	"	E-W	48.0	4.0	U
252	"	"	E-W	48.0	4.0	B
253	"	"	Vertical	48.0	2.0	U
254	"	"	Vertical	48.0	2.0	B
255	"	"	Vertical	48.0	4.0	U
256	"	"	Vertical	48.0	4.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
257	Containment Shell: Uncracked Case	OBE	N-S	98.0	2.0,4.0	U
258	"	"	N-S	98.0	2.0,4.0	B
259	"	"	E-W	98.0	2.0,4.0	U
260	"	"	E-W	98.0	2.0,4.0	B
261	"	"	Vertical	98.0	2.0,4.0	U
262	"	"	Vertical	98.0	2.0,4.0	B
263	"	"	N-S	149.0	2.0,4.0	U
264	"	"	N-S	149.0	2.0,4.0	B
265	"	"	E-W	149.0	2.0,4.0	U
266	"	"	E-W	149.0	2.0,4.0	B
267	"	"	Vertical	149.0	2.0,4.0	U
268	"	"	Vertical	149.0	2.0,4.0	B
269	Containment Shell: Cracked Condition	SSE	N-S	48.0	3.0	U
270	"	"	N-S	48.0	3.0	B
271	"	"	N-S	48.0	7.0	U
272	"	"	N-S	48.0	7.0	B

EES

MAINE YANKEE PIPING RE-ANALYSIS

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FOR INFORMATION ONLY

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
273	Containment Shell: Cracked Condition	SSE	E-W	48.0	3.0	U
274	"	"	E-W	48.0	3.0	B
275	"	"	E-W	48.0	7.0	U
276	"	"	E-W	48.0	7.0	B
277	"	"	Vertical	48.0	3.0	U
278	"	"	Vertical	48.0	3.0	B
279	"	"	Vertical	48.0	7.0	U
280	"	"	Vertical	48.0	7.0	B
281	"	"	N-S	98.0	3.0, 7.0	U
282	"	"	N-S	98.0	3.0, 7.0	B
283	"	"	E-W	98.0	3.0, 7.0	U
284	"	"	E-W	98.0	3.0, 7.0	B
285	"	"	Vertical	98.0	3.0, 7.0	U
286	"	"	Vertical	98.0	3.0, 7.0	B
287	"	"	N-S	149.0	3.0, 7.0	U
288	"	"	N-S	149.0	3.0, 7.0	B

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MAINE YANKEE PIPING RE-ANALYSIS

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
289	Containment Shell: Cracked Condition	SSE	E-W	149.0	3.0,7.0	U
290	"	"	E-W	149.0	3.0,7.0	B
291	"	"	Vertical	149.0	3.0,7.0	U
292	"	"	Vertical	149.0	3.0,7.0	B
293	"	OBE	N-S	48.0	2.0	U
294	"	"	N-S	48.0	2.0	B
295	"	"	N-S	48.0	4.0	U
296	"	"	N-S	48.0	4.0	B
297	"	"	E-W	48.0	2.0	U
298	"	"	E-W	48.0	2.0	B
299	"	"	E-W	48.0	4.0	U
300	"	"	E-W	48.0	4.0	B
301	"	"	Vertical	48.0	2.0	U
302	"	"	Vertical	48.0	2.0	B
303	"	"	Vertical	48.0	4.0	U
304	"	"	Vertical	48.0	4.0	B

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
305	Containment Shell: Cracked Case	OBE	N-S	98.0	2.0,4.0	U
306	"	"	N-S	98.0	2.0,4.0	B
307	"	"	E-W	98.0	2.0,4.0	U
308	"	"	E-W	98.0	2.0,4.0	B
309	"	"	Vertical	98.0	2.0,4.0	U
310	"	"	Vertical	98.0	2.0,4.0	B
311	"	"	N-S	149.0	2.0,4.0	U
312	"	"	N-S	149.0	2.0,4.0	B
313	"	"	E-W	149.0	2.0,4.0	U
314	"	"	E-W	149.0	2.0,4.0	B
315	"	"	Vertical	149.0	2.0,4.0	U
316	"	"	Vertical	149.0	2.0,4.0	B
317	Containment Internals	SSE	N-S	20.0	3.0	U
318	"	"	N-S	20.0	3.0	B
319	"	"	N-S	20.0	7.0	U
320	"	"	N-S	20.0	7.0	B

EES

MAINE YANKEE PIPING RE-ANALYSIS

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FOR INFORMATION ONLY

Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
321	Containment Internals	SSE	E-W	20.0	3.0	U
322	"	"	E-W	20.0	3.0	B
323	"	"	E-W	20.0	7.0	U
324	"	"	E-W	20.0	7.0	B
325	"	"	Vertical	20.0	3.0	U
326	"	"	Vertical	20.0	3.0	B
327	"	"	Vertical	20.0	7.0	U
328	"	"	Vertical	20.0	7.0	B
329	"	"	N-S	46.0	3.0	U
330	"	"	N-S	46.0	3.0	B
331	"	"	N-S	46.0	7.0	U
332	"	"	N-S	46.0	7.0	B
333	"	"	E-W	46.0	3.0	U
334	"	"	E-W	46.0	3.0	B
335	"	"	E-W	46.0	7.0	U
336	"	"	E-W	46.0	7.0	B

EES

MAINE YANKEE PIPING RE-ANALYSIS

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
337	Containment Internals	SSE	Vertical	46.0	3.0	U
338	"	"	Vertical	46.0	3.0	B
339	"	"	Vertical	46.0	7.0	U
340	"	"	Vertical	46.0	7.0	B
341	"	"	N-S	95.5	3.0	U
342	"	"	N-S	95.5	3.0	B
343	"	"	N-S	95.5	7.0	U
344	"	"	N-S	95.5	7.0	B
345	"	"	E-W	95.5	3.0	U
346	"	"	E-W	95.5	3.0	B
347	"	"	E-W	95.5	7.0	U
348	"	"	E-W	95.5	7.0	B
349	"	"	Vertical	95.5	3.0	U
350	"	"	Vertical	95.5	3.0	B
351	"	"	Vertical	95.5	7.0	U
352	"	"	Vertical	95.5	7.0	B

* B = Peak Broadened $\pm 15\%$, U = Unbroadened curves

EES

MAINE YANKEE PIPING RE-ANALYSIS

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
353	Containment Internals	OBE	N-S	20.0	2.0	U
354	"	"	N-S	20.0	2.0	B
355	"	"	N-S	20.0	4.0	U
356	"	"	N-S	20.0	4.0	B
357	"	"	E-W	20.0	2.0	U
358	"	"	E-W	20.0	2.0	B
359	"	"	E-W	20.0	4.0	U
360	"	"	E-W	20.0	4.0	B
361	"	"	Vertical	20.0	2.0	U
362	"	"	Vertical	20.0	2.0	B
363	"	"	Vertical	20.0	4.0	U
364	"	"	Vertical	20.0	4.0	B
365	"	"	N-S	46.0	2.0	U
366	"	"	N-S	46.0	2.0	B
367	"	"	N-S	46.0	4.0	U
368	"	"	N-S	46.0	4.0	B

* B = Peak Broadened + 15% U = Unbroadened curves

EES

MAINE YANKEE PIPING RE-ANALYSIS

MASTER ARS INDEX

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
369	Containment Internals	OBE	E-W	46.0	2.0	U
370	"	"	E-W	46.0	2.0	B
371	"	"	E-W	46.0	4.0	U
372	"	"	E-W	46.0	4.0	B
373	"	"	Vertical	46.0	2.0	U
374	"	"	Vertical	46.0	2.0	B
375	"	"	Vertical	46.0	4.0	U
376	"	"	Vertical	46.0	4.0	B
377	"	"	N-S	95.5	2.0	U
378	"	"	N-S	95.5	2.0	B
379	"	"	N-S	95.5	4.0	U
380	"	"	N-S	95.5	4.0	B
381	"	"	E-W	95.5	2.0	U
382	"	"	E-W	95.5	2.0	B
383	"	"	E-W	95.5	4.0	U
384	"	"	E-W	95.5	4.0	B

EES

MAINE YANKEE PIPING RE-ANALYSIS

MASTER ARS INDEX

FOR INFORMATION ONLY

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Curve No.	Structure	E.Q.	Direction	Elev.	Damping	*
385	Containment Internals	OBE	Vertical	95.5	2.0	U
386	"	"	Vertical	95.5	2.0	B
387	"	"	Vertical	95.5	4.0	U
388	"	"	Vertical	95.5	4.0	B
389	Ground Response Spectra	SSE	Horiz.	—	2.0	—
390	"	"	Horiz.	—	3.0	—
391	"	"	Horiz.	—	7.0	—
392	"	"	Vertical	—	2.0	—
393	"	"	Vertical	—	3.0	—
394	"	"	Vertical	—	7.0	—
395	"	OBE	Horiz.	—	1.0	—
396	"	"	Horiz.	—	2.0	—
397	"	"	Horiz.	—	4.0	—
398	"	"	Vertical	—	1.0	—
399	"	"	Vertical	—	4.0	—
400	"	"	Vertical	—	4.0	—

FOR INFORMATION ONLY

REFERENCES

1. Seismic Analysis of the Containment Shell - Maine Yankee Piping Reanalysis. EES calculation 80006/5/F-BS1, Rev 0, March 1981.
2. Seismic Analysis of the Containment Internals - Maine Yankee Piping Reanalysis. EES calculation 80006/6/F-BS2, Rev. 0, March 1981.
3. Seismic Analysis of the Turbine/Service Building - Maine Yankee Piping Reanalysis. EES calculation 80006/7/F-BS5, Rev. 0, April 1981.
4. Seismic Analysis of the Main Steam Valve House - Maine Yankee Piping Reanalysis. EES calculation 80006/8/F-BS6, Rev. 0 March 1981.
5. Seismic Analysis of the Spray Pump House - Maine Yankee Piping Reanalysis. EES calculation 80006/9/F-BS4, Rev. 0 March 1981.
6. Seismic Analysis of the Primary Auxiliary Building - Maine Yankee Piping Reanalysis. EES calculation 80006/10/F-BS3, Rev. 0, March 1981
7. Ground Response Spectra for Maine Yankee - EES calculation 80006/4/F-DBS9, Rev. 0, March 1981

EES

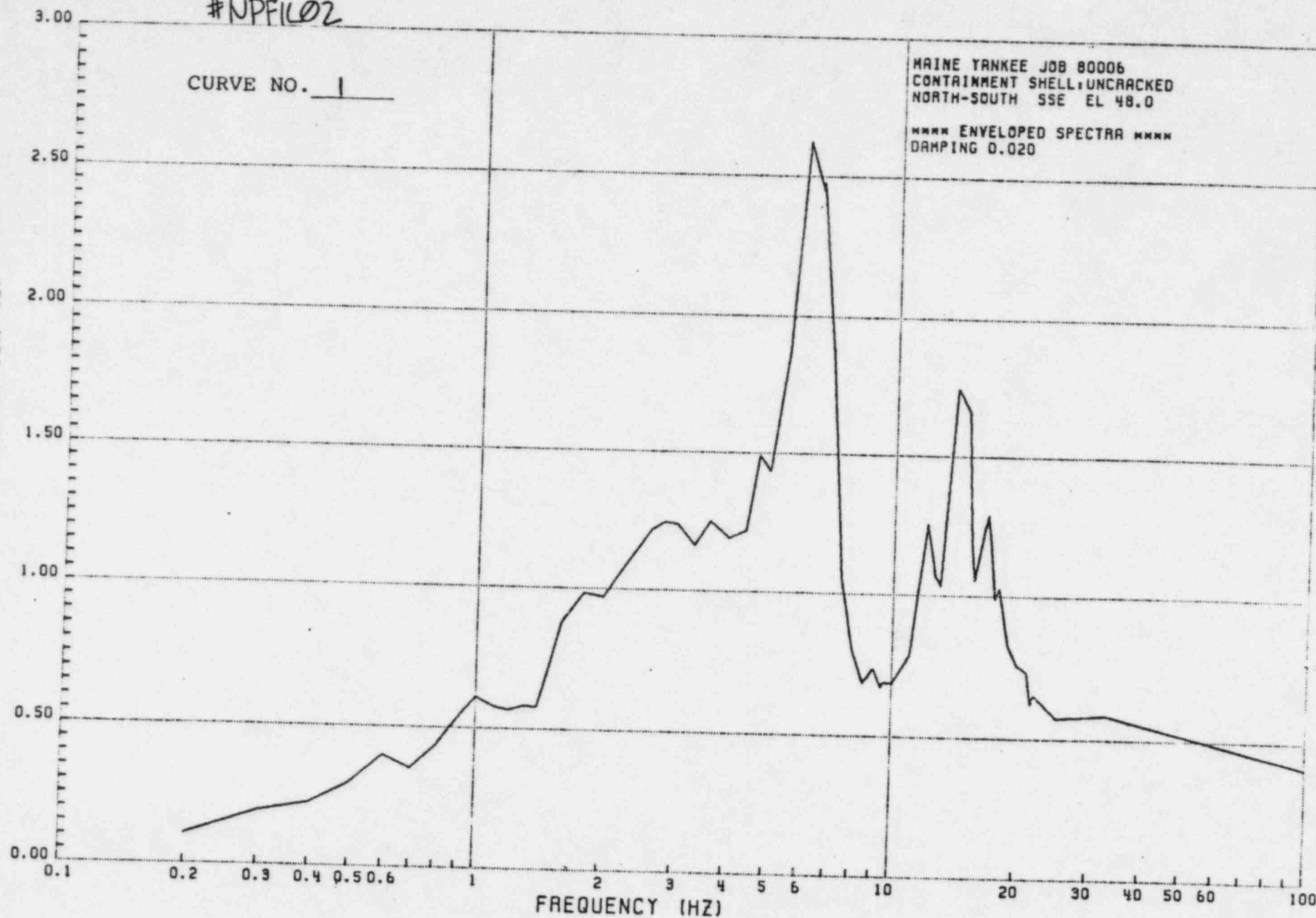
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CURVE NO. 1

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
NORTH-SOUTH SSE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

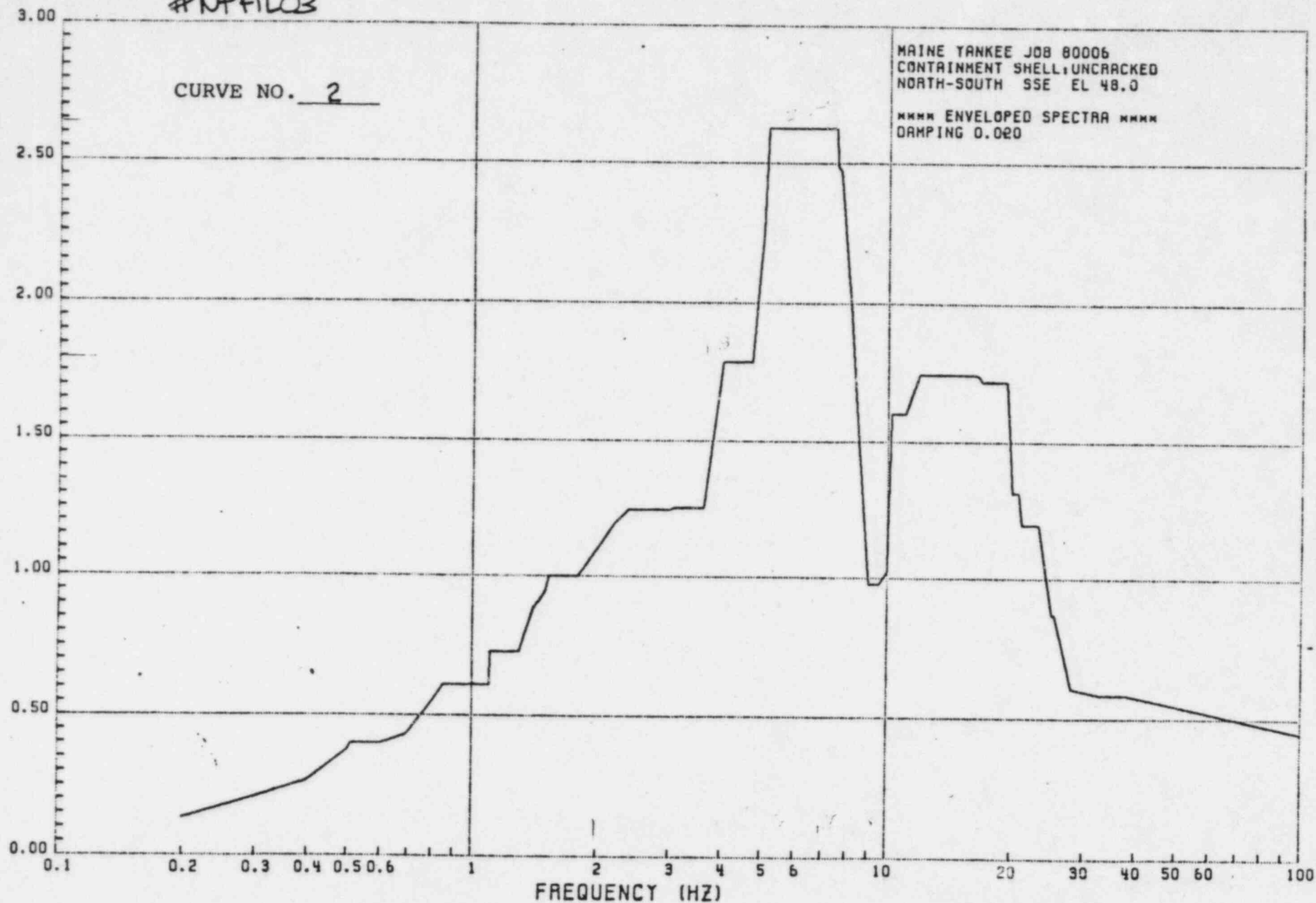
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CURVE NO. 2

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
NORTH-SOUTH SSE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

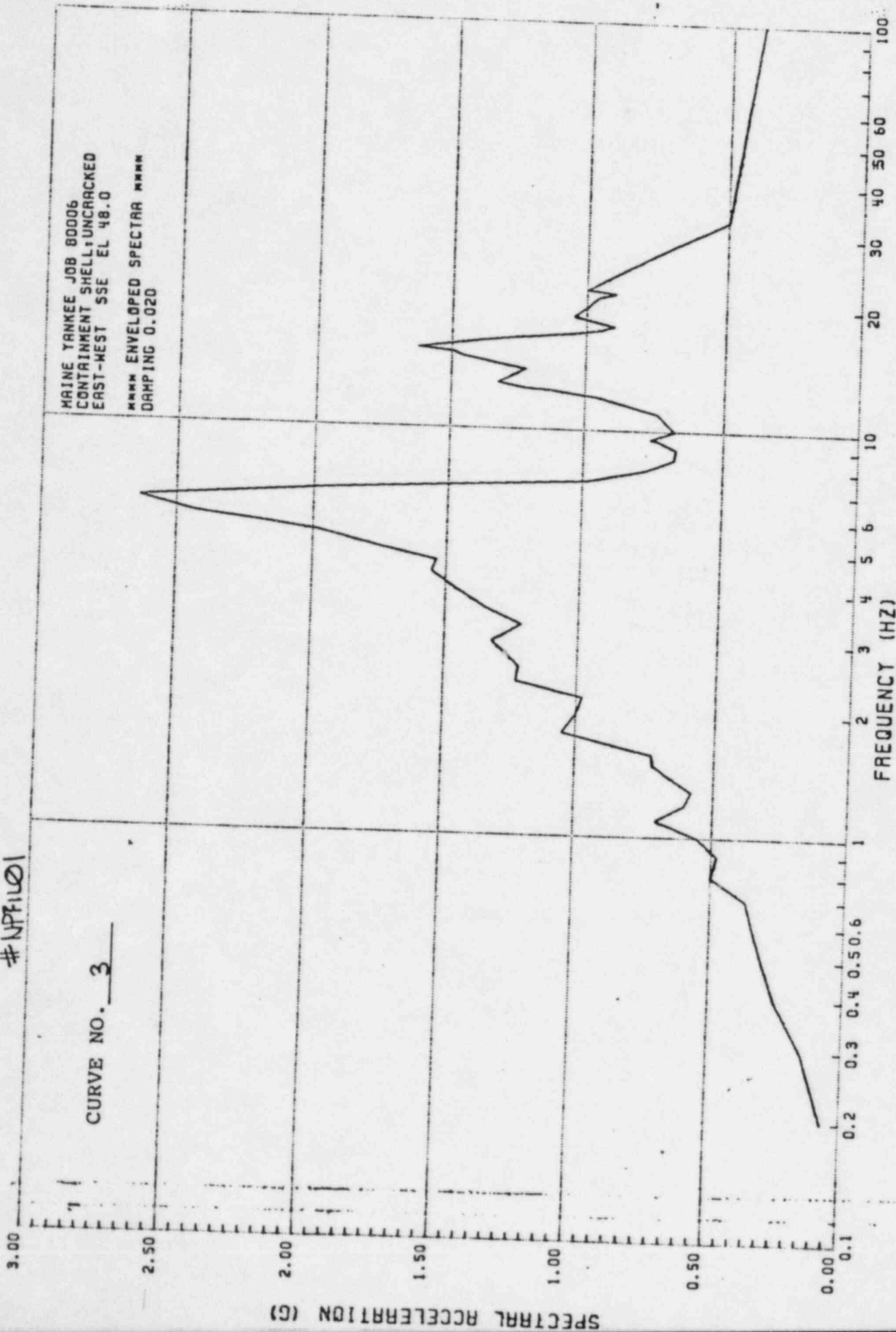
EARTHQUAKE ENGINEERING SYSTEMS

EL3

#NPF1101

CURVE NO. 3

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
EAST-WEST SSE EL 48.0
SEISMIC ENVELOPED SPECTRA
DAMPING 0.020



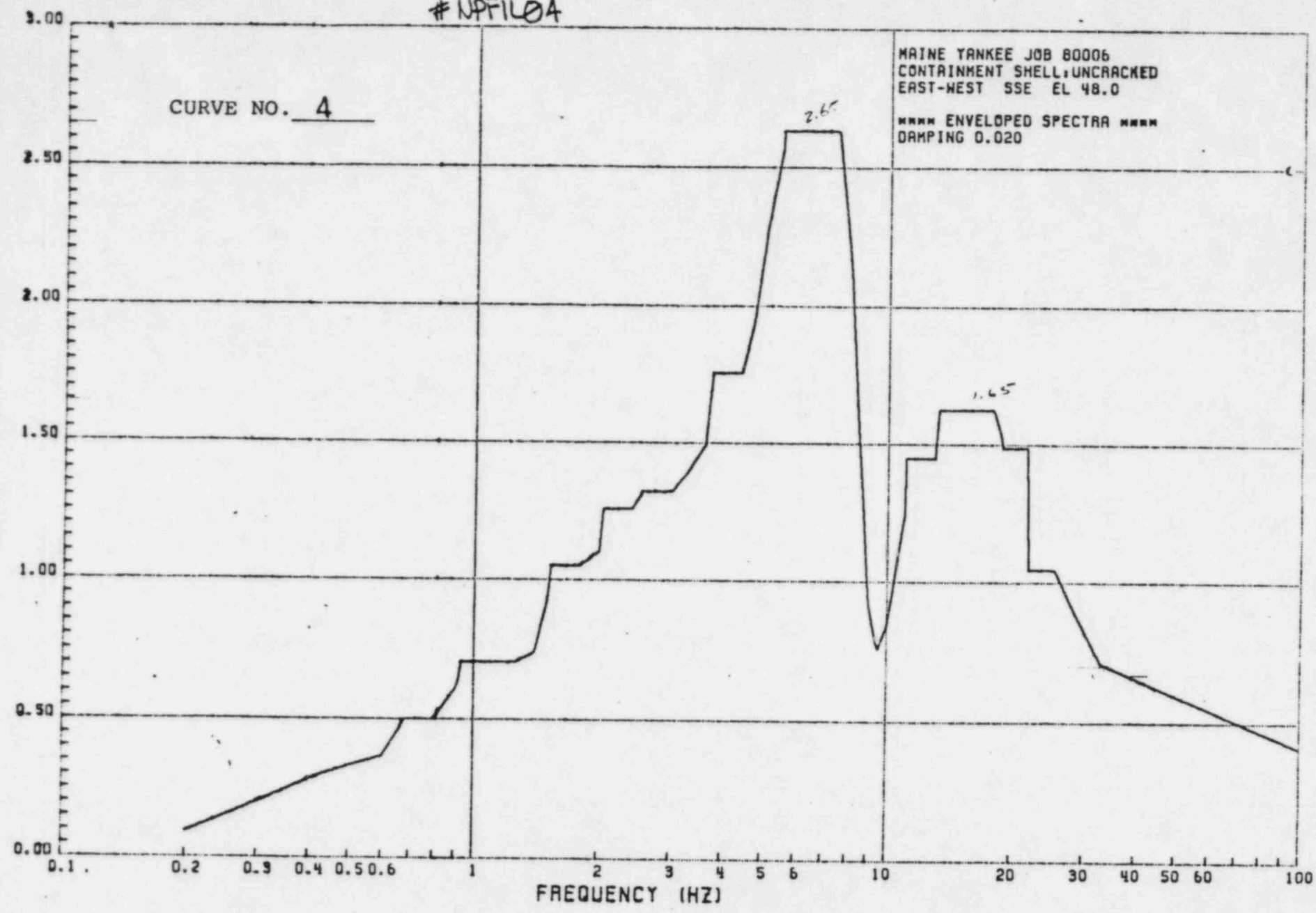
EES

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CURVE NO. 4

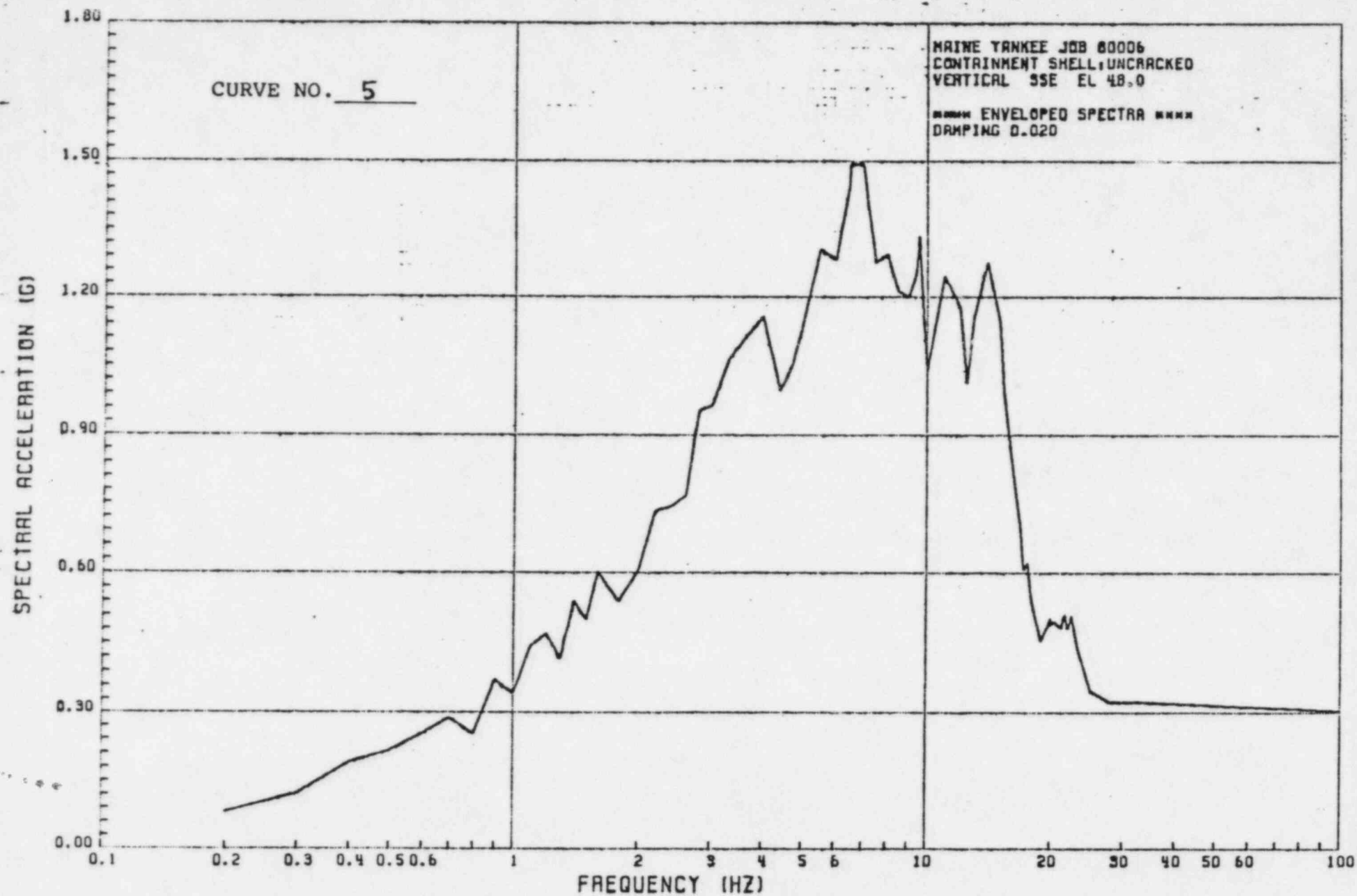
MAINE TANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
EAST-WEST SSE EL 48.0
**** ENVELOPED SPECTRA ****
DAMPING 0.020

SPECTRAL ACCELERATION (G)



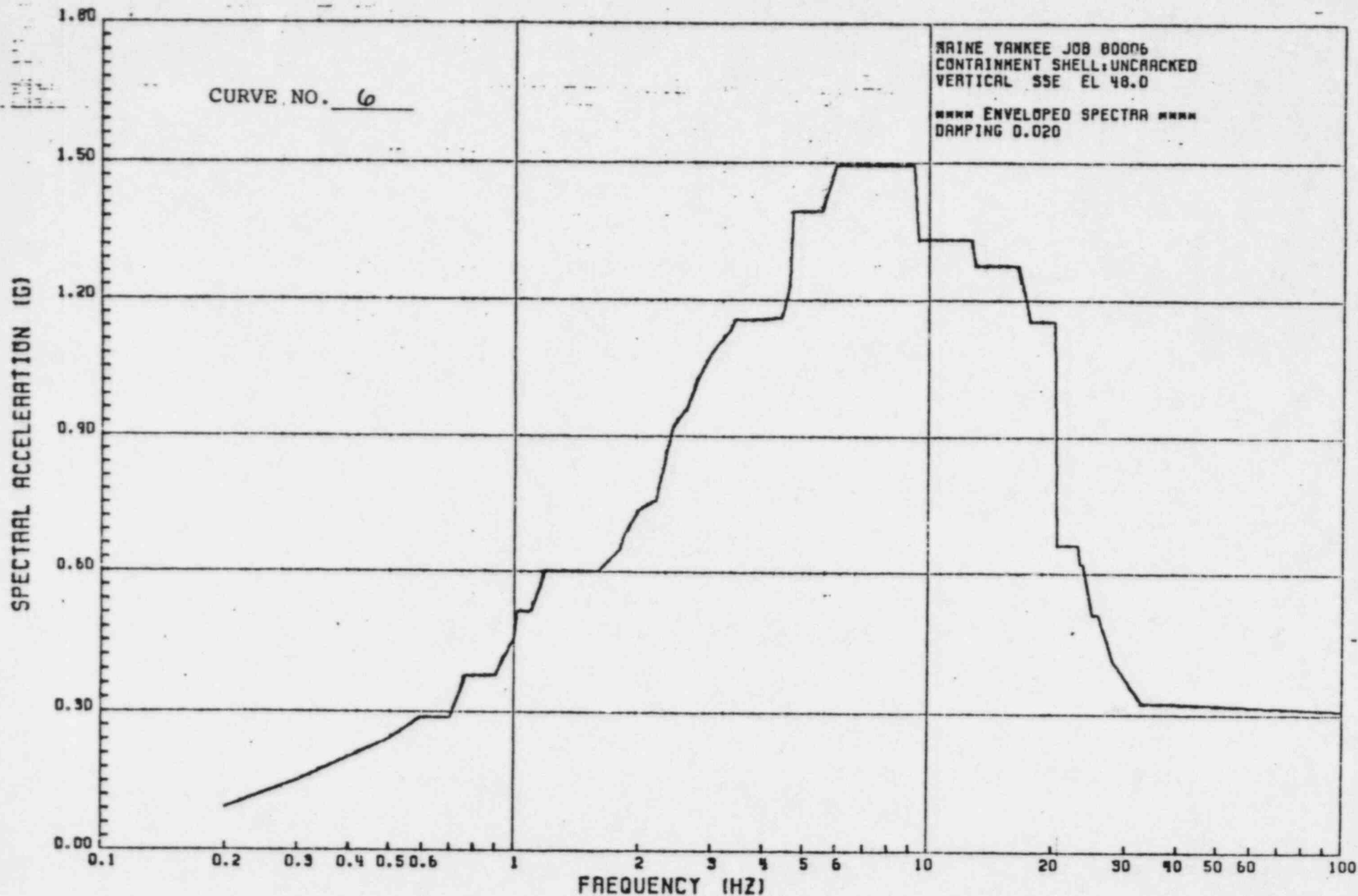
FOR INFORMATION ONLY

EES NPF1L01



EES

NPFILD2

CURVE NO. 6RAINE TANKEE JOB 80006
CONTAINMENT SHELL: UNCRACKED
VERTICAL SSE EL 48.0**** ENVELOPED SPECTRA ****
DAMPING 0.020

FOR INFORMATION ONLY

EES

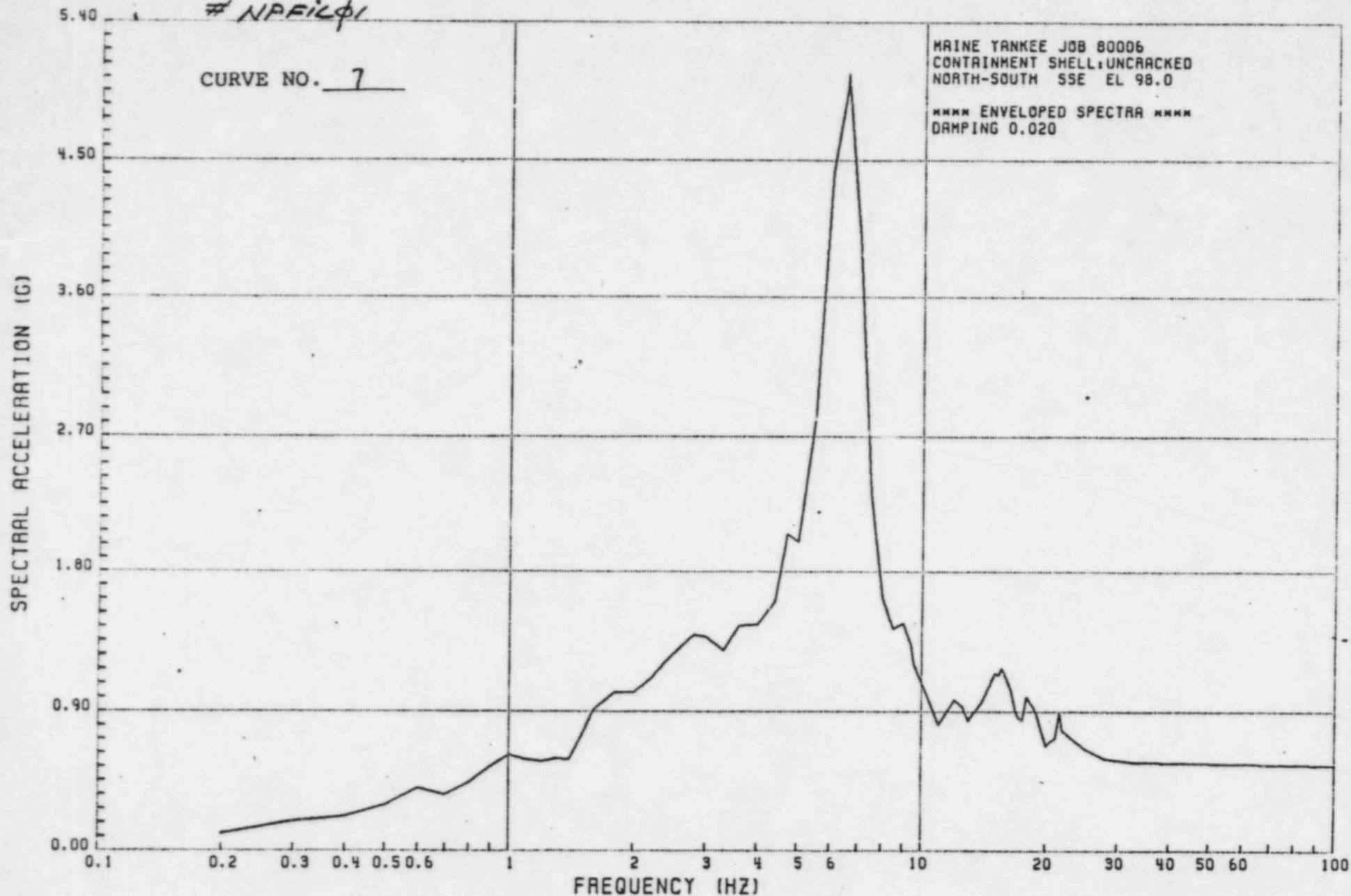
NPFILP1

CURVE NO. 7

MAINE YANKEE JOB 80006
CONTAINMENT SHELL: UNCRACKED
NORTH-SOUTH SSE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020

FOR INFORMATION ONLY

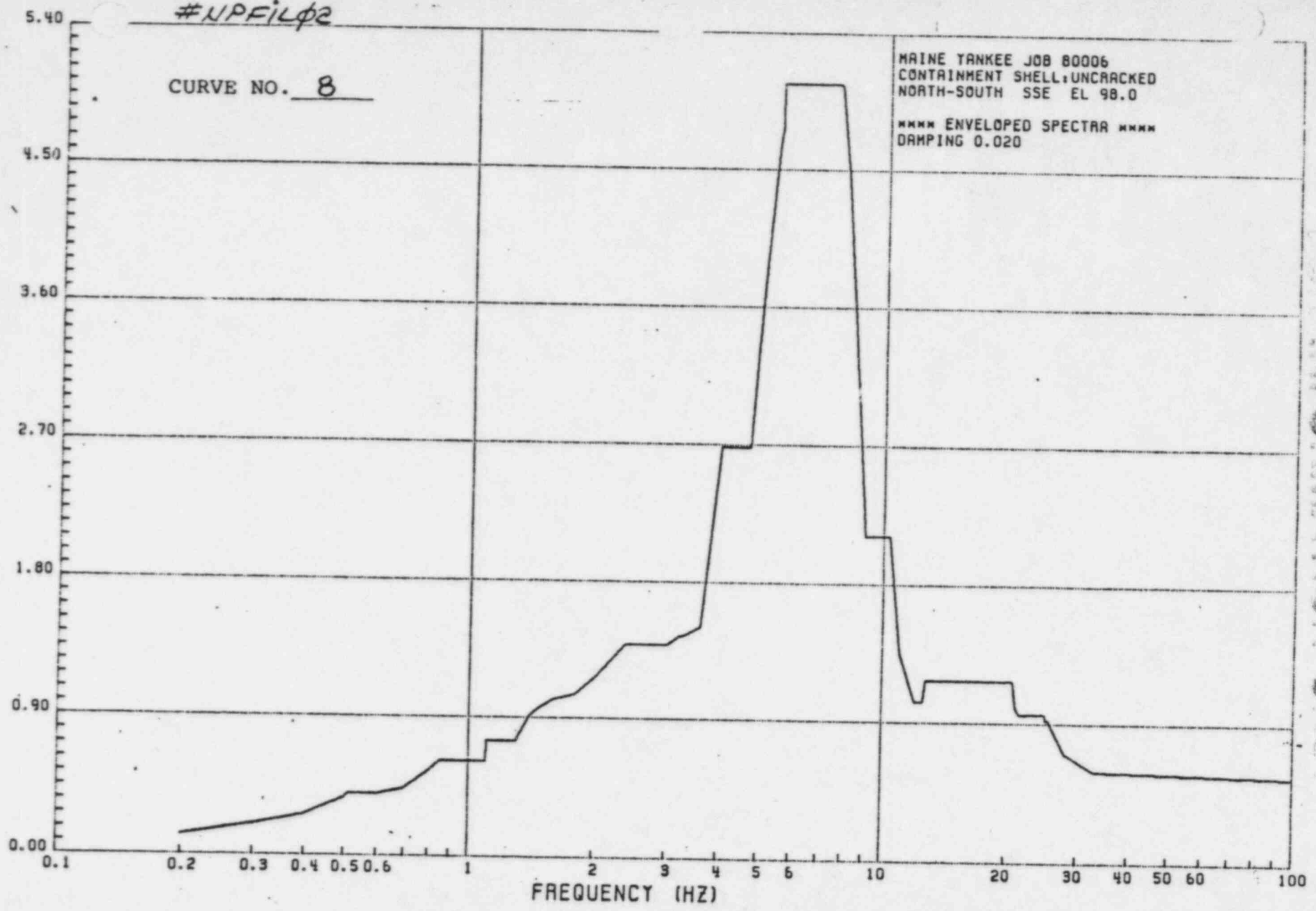


#NPFIL02

CURVE NO. 8

MAINE YANKEE JOB 80006
CONTAINMENT SHELL: UNCRACKED
NORTH-SOUTH SSE EL 98.0
**** ENVELOPED SPECTRA ****
DAMPING 0.020

SPECTRAL ACCELERATION (G)



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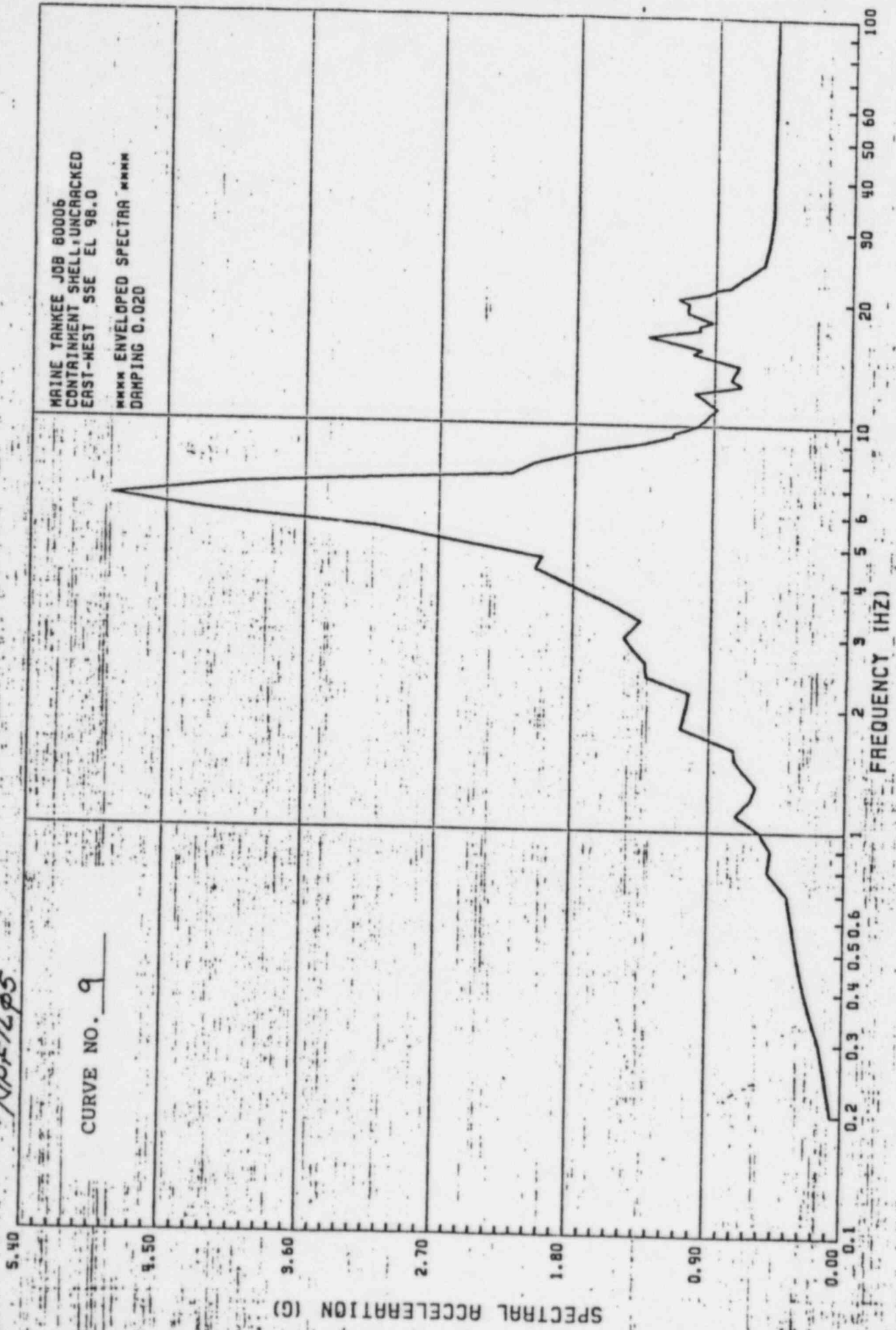
FOR INFORMATION ONLY

EES

NO. 105

CURVE NO. 9

MAINE TANKER JOB 80006
CONTAINMENT SHELL UNCRACKED
EAST-WEST SSE EL 98.0
MMMM ENVELOPED SPECTRA MMMM
DAMPING 0.020



EARTHQUAKE ENGINEERING SYSTEMS

EES

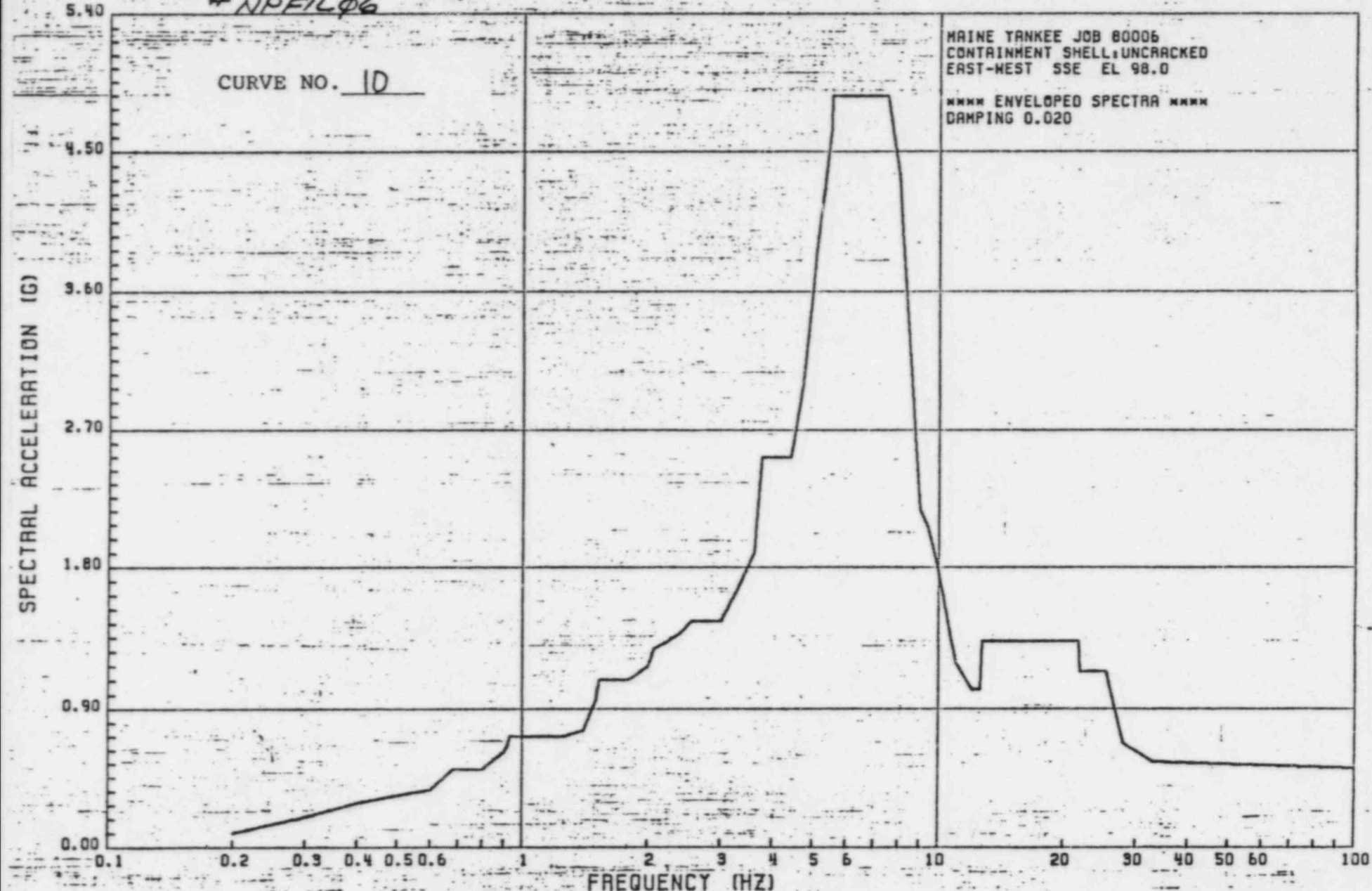
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CURVE NO. 10

MAINE TANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
EAST-WEST SSE EL 98.0

*** ENVELOPED SPECTRA ***
DAMPING 0.020

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EARTHQUAKE ENGINEERING SYSTEMS

FES

#APF149

2.40

CURVE NO. 11

2.00

SPECTRAL ACCELERATION (G)

1.60

1.20

0.80

0.40

0.00

MAINE TANKER JOB 80006
CONTAINMENT SHELL, UNCRACKED
VERTICAL SSE EL 98.0
MMMM ENVELOPED SPECTRA MMMM
DAMPING 0.020

0.2 0.3 0.4 0.5 0.6

FREQUENCY (HZ)

10

20

30

40

50

60

100

EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

ELS

specified

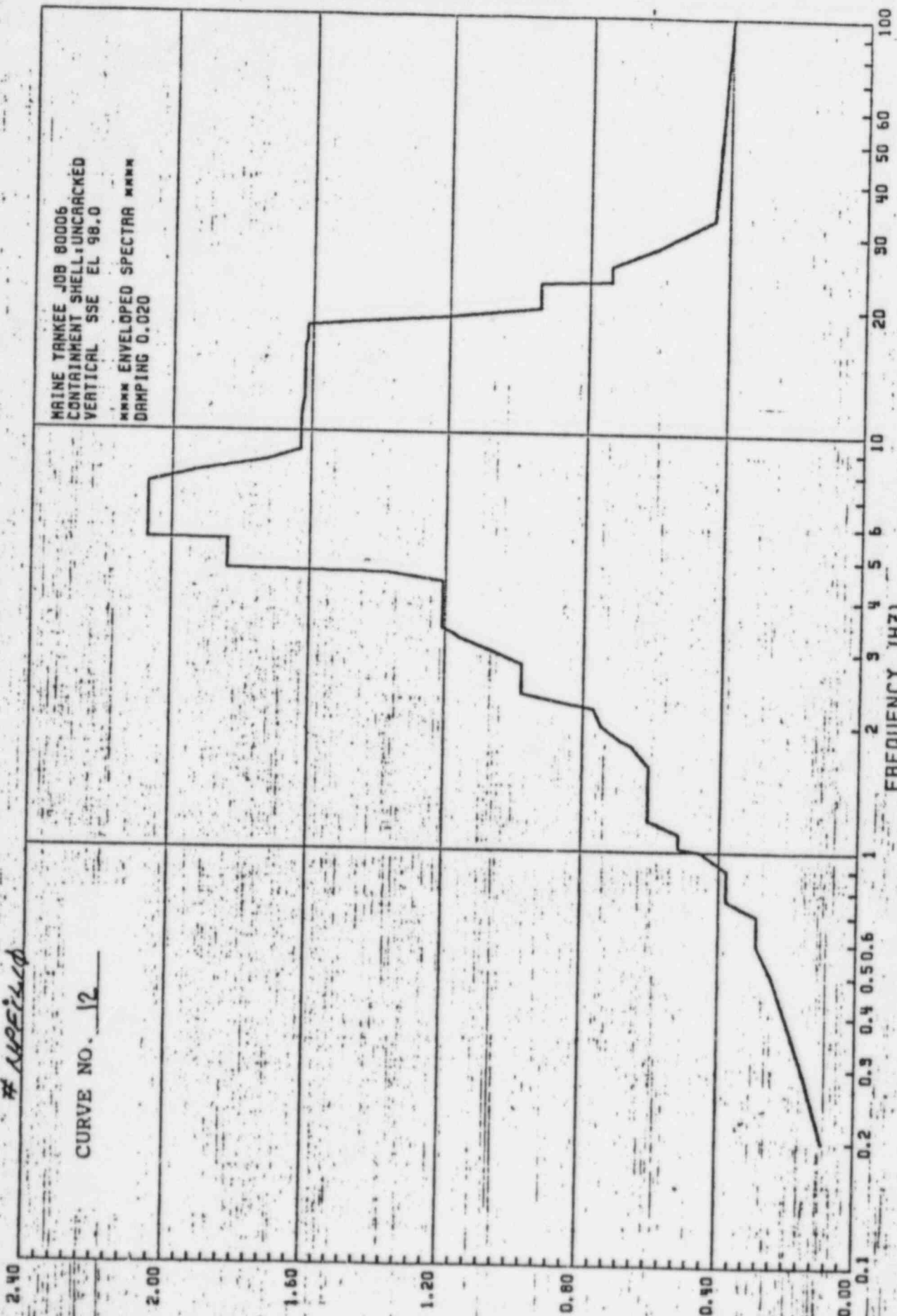
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MAINE TANKER JOB 80006
CONTAINMENT SHELL: UNCRACKED
VERTICAL SSE EL 98.0
ENVELOPED SPECTRA
DAMPING 0.020

SPECTRAL ACCELERATION (G)

FREQUENCY (HZ)

EARTHQUAKE ENGINEERING SYSTEMS



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EES

#N0F1C01

CURVE NO. 13

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
NORTH-SOUTH SSE EL 149.0

SEISMIC ENVELOPED SPECTRA
DAMPING 0.020

12.00

10.00

SPECTRAL ACCELERATION (G)

8.00

6.00

4.00

2.00

0.00

0.2 0.3 0.4 0.5 0.6

1

2

3

4

5

6

10

20

30

40

50

60

100

FREQUENCY (HZ)

EARTHQUAKE ENGINEERING SYSTEMS

EES

NPE1602

CURVE NO. 14

MAINE TANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
NORTH-SOUTH SSE EL 149.0
ENVELOPED SPECTRA
DAMPING 0.020

SPECTRAL ACCELERATION (G)

FREQUENCY (HZ)

EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES

ENVELOPE

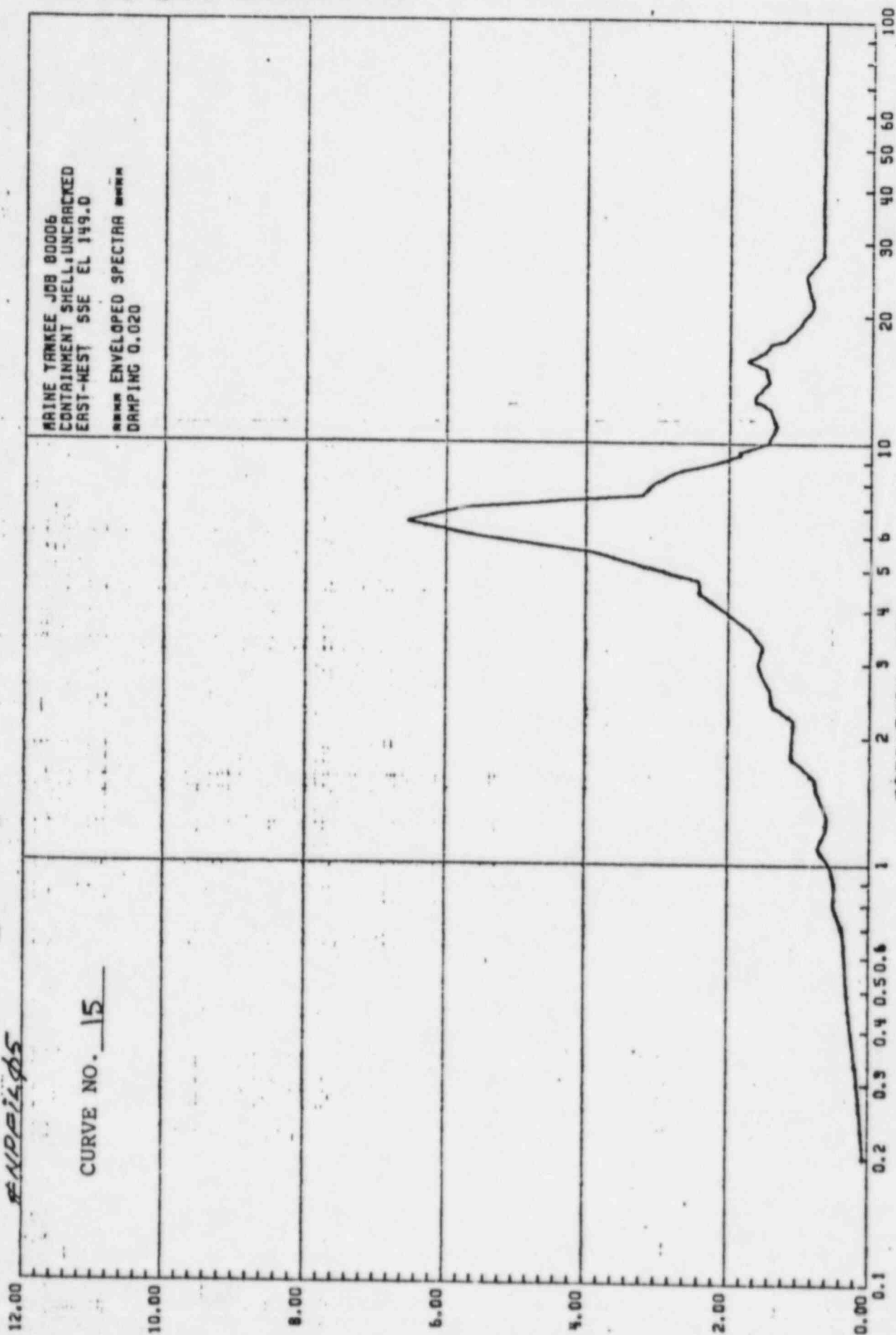
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MAINE TANKER JOB 80006
CONTAINMENT SHELL, UNCRACKED
EAST-WEST SSE EL 149.0
ENVELOPED SPECTRA
DAMPING 0.020

SPECTRAL ACCELERATION (G)

FREQUENCY (HZ)

EARTHQUAKE ENGINEERING SYSTEMS



EES

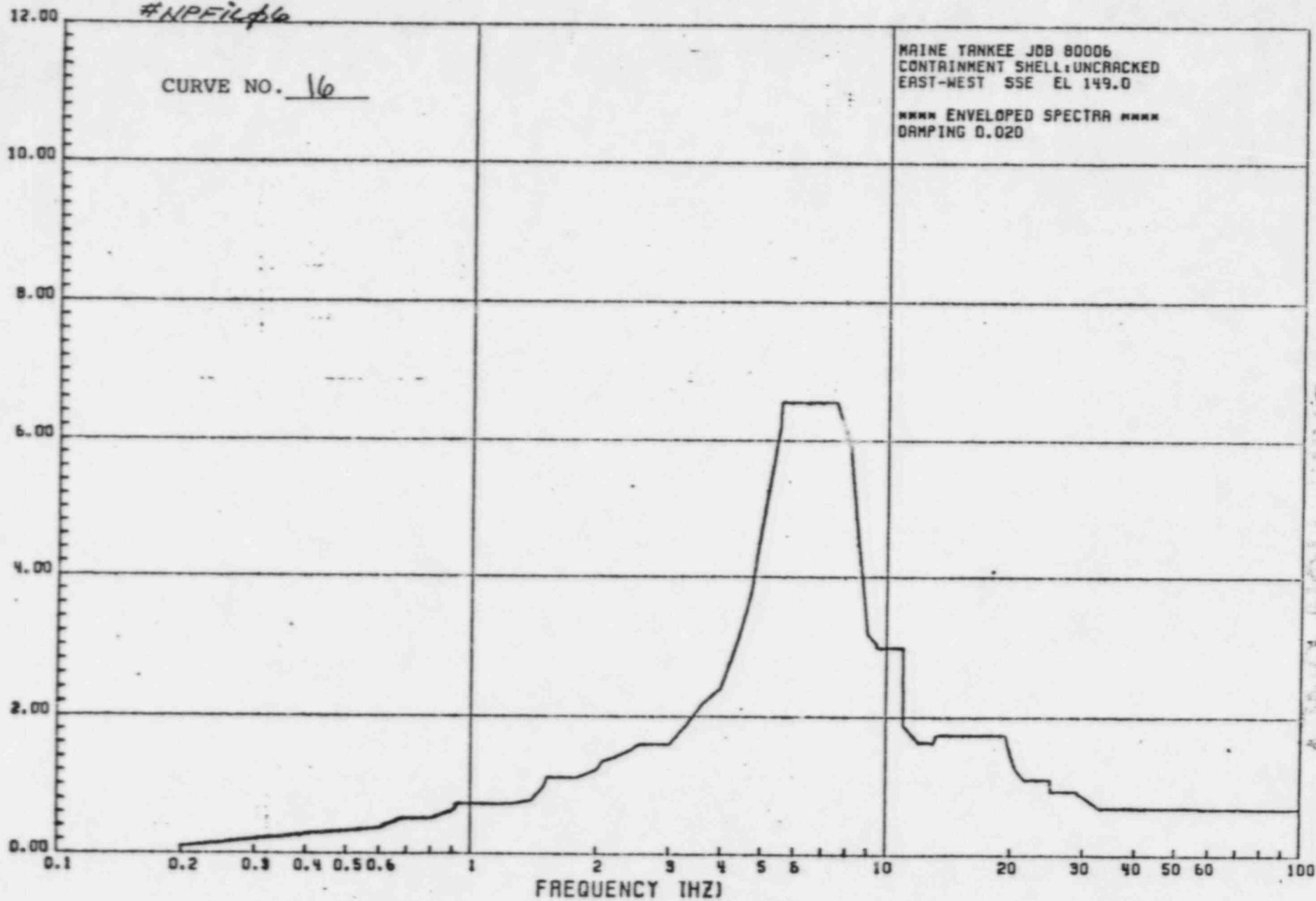
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CURVE NO. 16

MAINE TANKEE JOB 80006
CONTAINMENT SHELL: UNCRACKED
EAST-WEST SSE EL 149.0

*** ENVELOPED SPECTRA ***
DAMPING 0.020

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EES

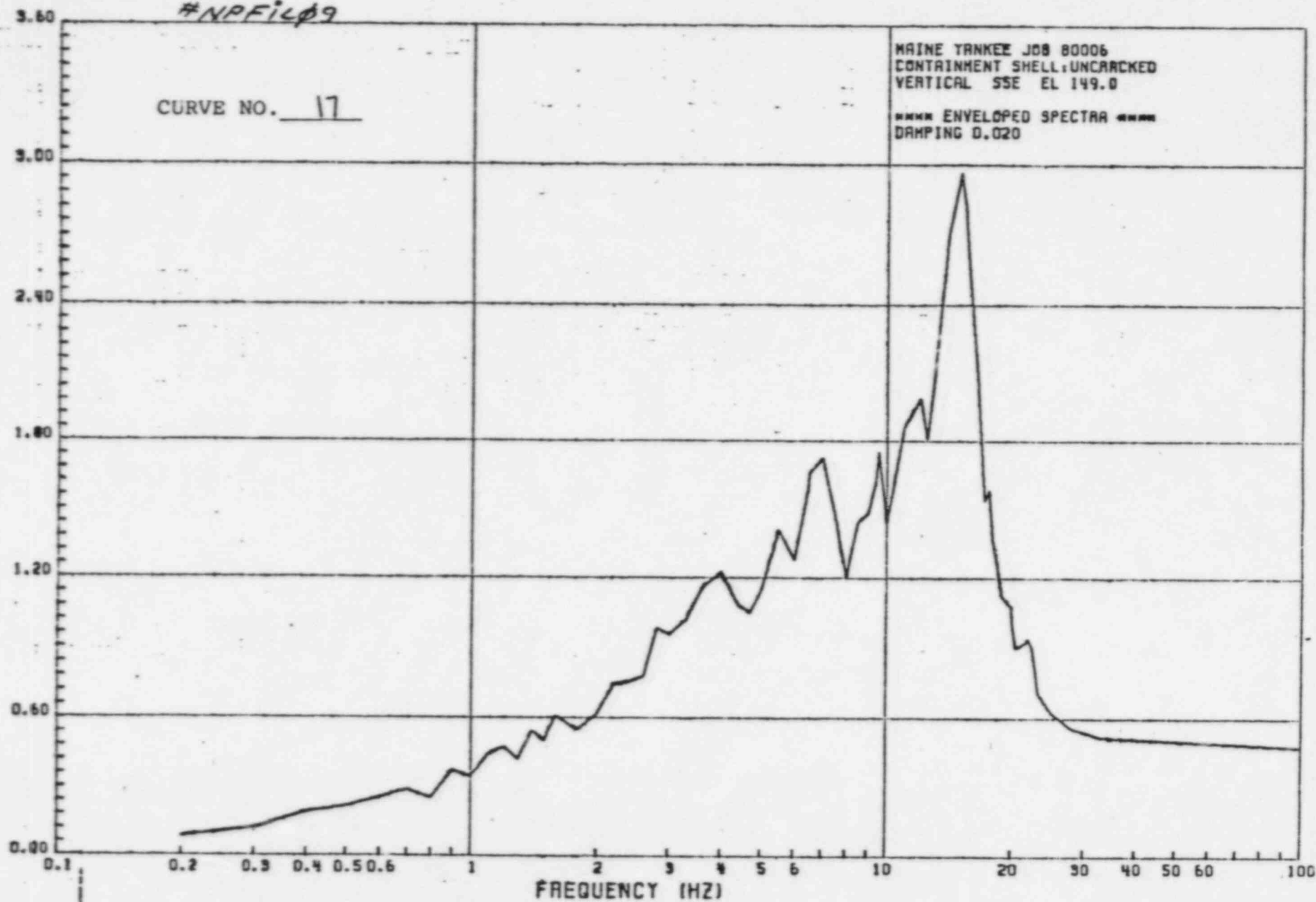
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CURVE NO. 17

MAINE TANKER JOB 80006
CONTAINMENT SHELL, UNCRACKED
VERTICAL SSE EL 149.0

*** ENVELOPED SPECTRA ***
DAMPING 0.020

SPECTRAL ACCELERATION (G)



EES

CALCULATION SHEET		PREPARED BY	DATE
PROJECT <u>MLIVE YANKEE PIPING REPAIRS</u>		<u>JKITE -</u>	<u>3/18/11</u>
SUBJECT <u>GROUND RESPONSE SPECTRA</u>		CHECKED BY <u>A. Vayns</u>	DATE <u>3/19/11</u>
SYSTEM _____		JOB NO. <u>80006</u>	FILE NO. <u>4F</u>
ANALYSIS NO. <u>DBS9</u>		SHEET NO. <u>DBS9-1</u>	
REV. NO. <u>0</u>			

- PLOTS OF NRC GROUND RESPONSE SPECTRA ARE REQUIRED FOR INPUT TO PIPING AND EQUIPMENT ANALYSIS.
- THE DAMPINGS REQUIRED ARE: 2% , 3% , 7% FOR SSE
 1% , 2% , 4% FOR OBE
- MAXIMUM GROUND ACCELERATION: $0.2g$ FOR SSE
 $0.1g$ FOR OBE

PROCEDURE

THE CURVES DEFINED IN REFERENCE NO. 1 ARE PLOTTED ON THE NEXT PAGES. THE NUMERICAL VALUES OF ACCELERATION FOR EACH FREQUENCY WERE CALCULATED IN REF. NO. 2

FOR INFORMATION ONLY

FOR INFORMATION ONLY

EES

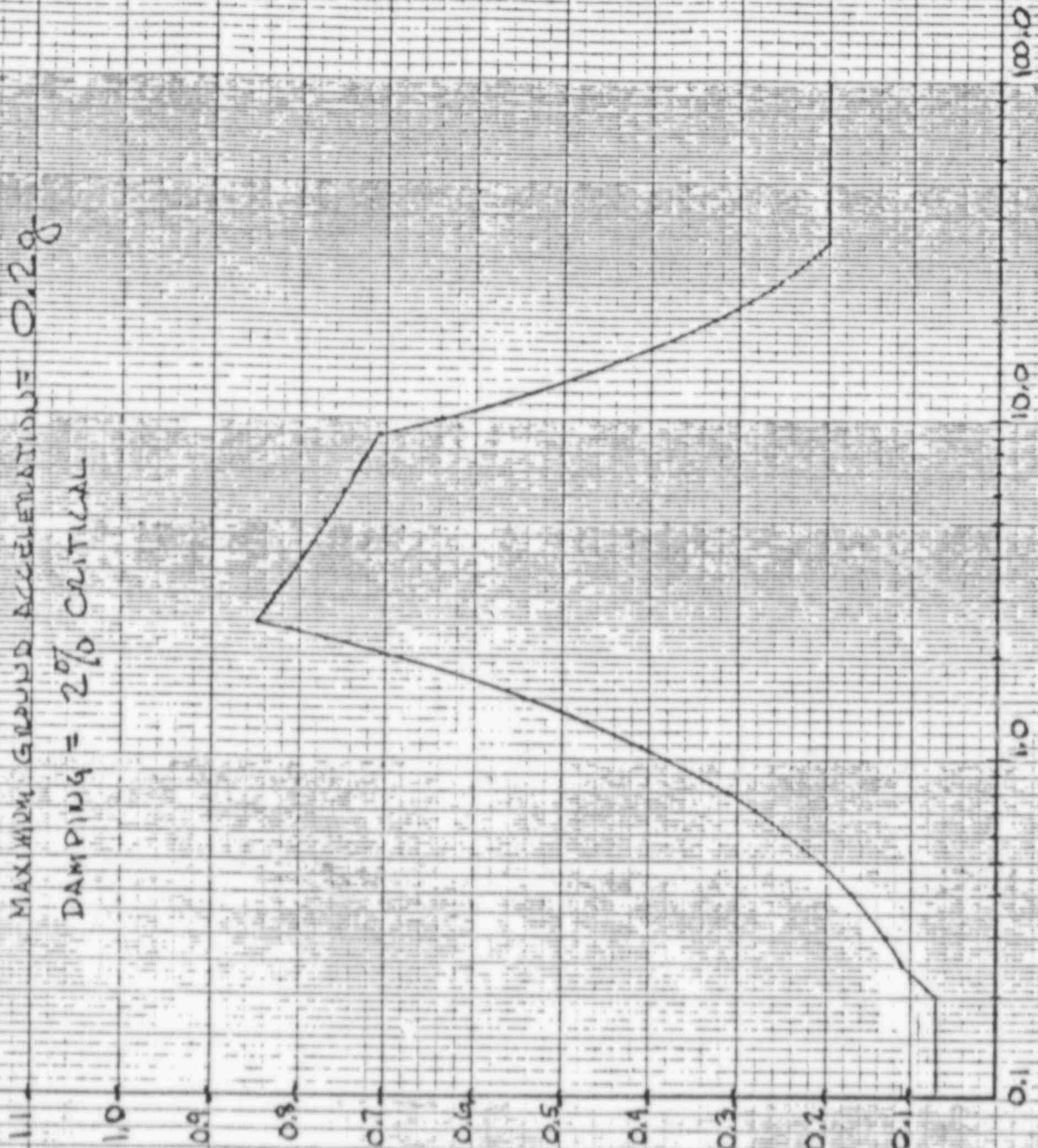
PROJECT MAINE YANKEE PIPING RE-ANALYSIS
 SUBJECT GROUND RESPONSE SPECTRA
 SYSTEM (NRC REG. GUIDE 1.60)
 ANALYSIS NO. DBS9 REV NO. 0

CHECKED BY *A. Var* DATE 3/15/81
 JOB NO. 80006 FILE NO. 4-F
 SHEET NO. DBS9-2

SSE HORIZONTAL
 NRC REG. GUIDE 1.60 RESPONSE SPECTRA
 MAXIMUM GROUND ACCELERATION = 0.2g
 DAMPING = 2% CRITICAL

ACCELERATION (G)

FREQUENCY (Hz)



EES

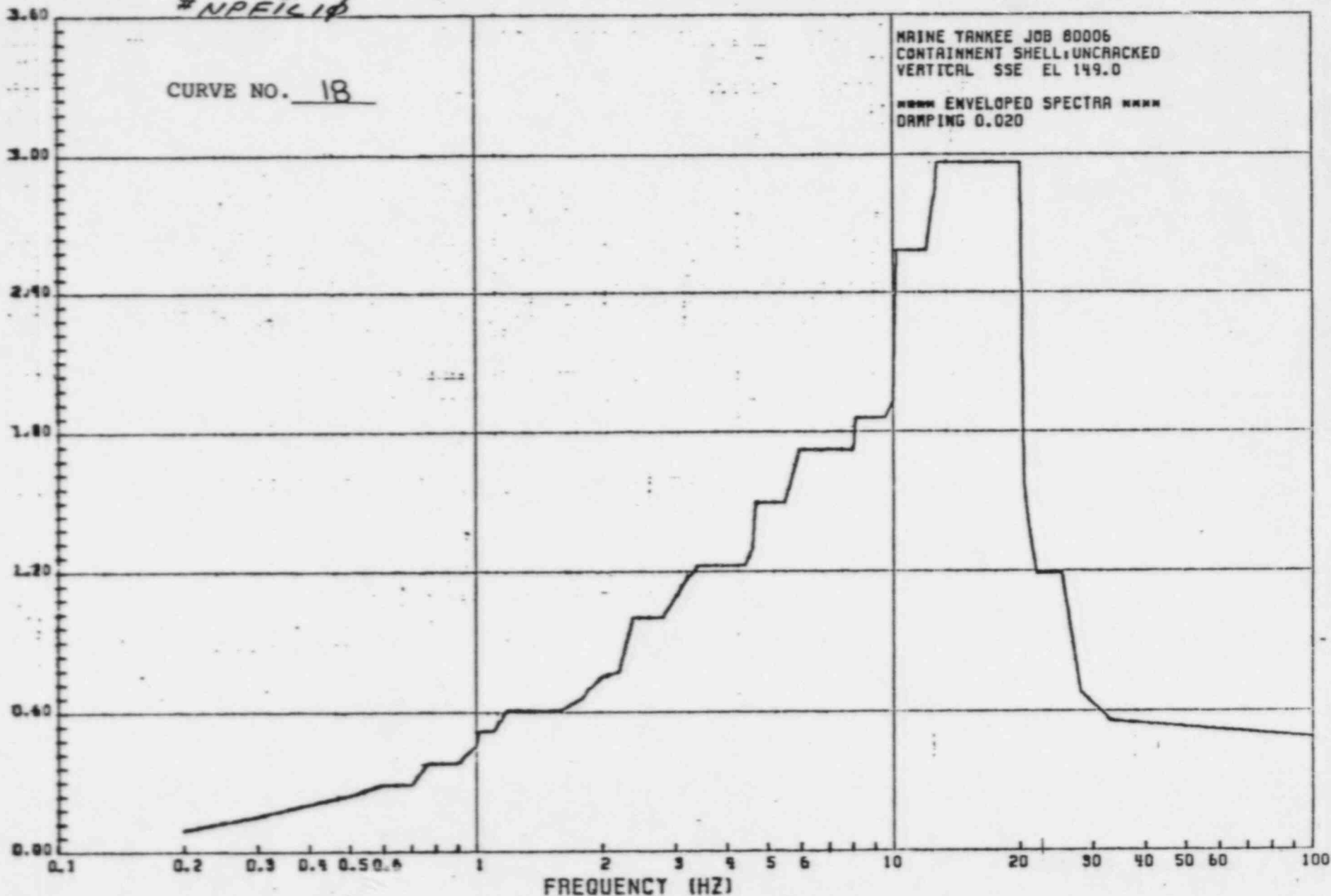
#NPFIL10

CURVE NO. 18

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
VERTICAL SSE EL 149.0

*** ENVELOPED SPECTRA ***
DAMPING 0.020

SPECTRAL ACCELERATION (G)



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EARTHQUAKE ENGINEERING SYSTEMS

L.S. BRIAN B.
#NPFILO9

CURVE NO. 19

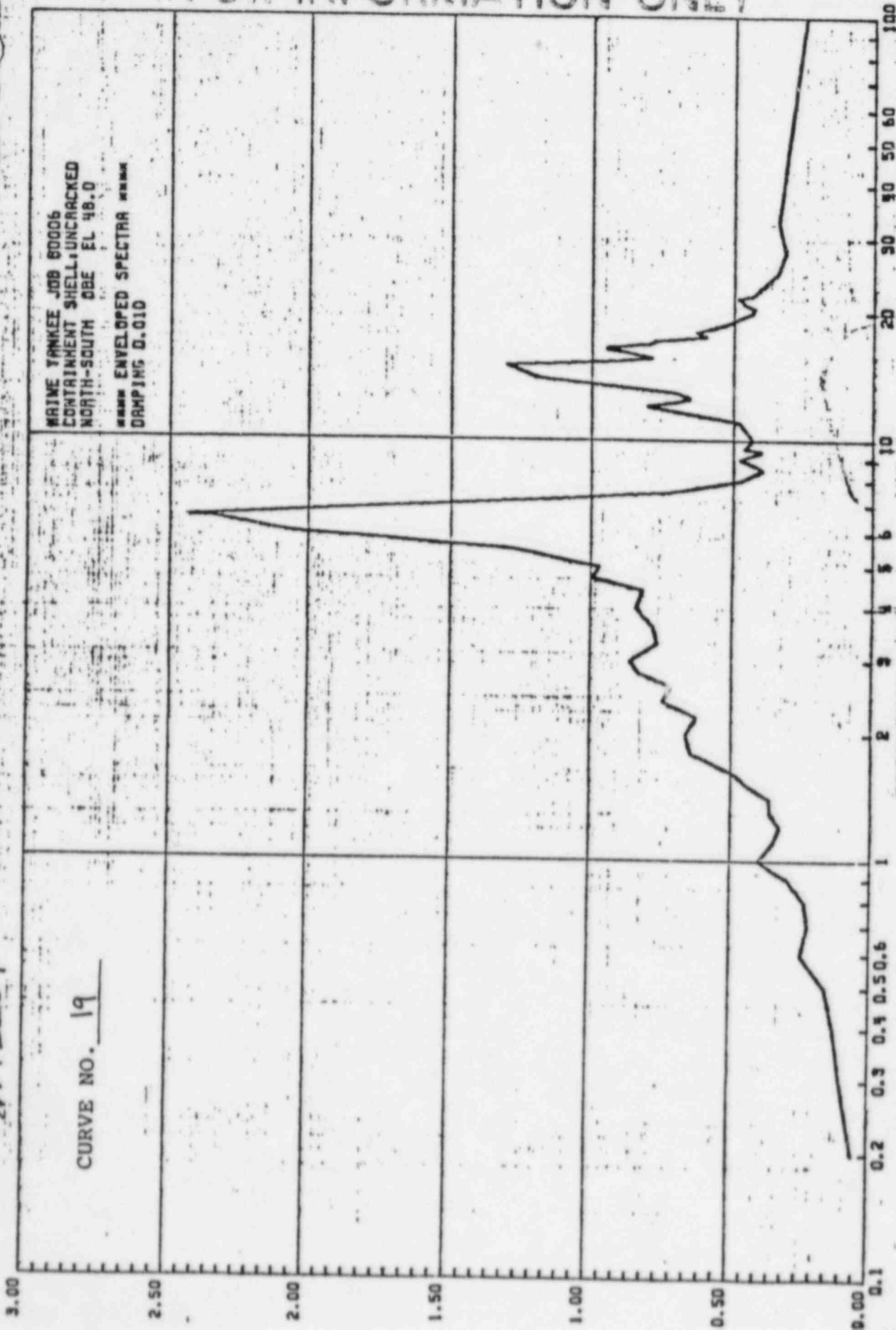
MAINE YANKEE JOB 60006
CONTAINMENT SHELL, UNCRACKED
NORTH-SOUTH DBE EL 48.0
SEISM ENVELOPED SPECTRA
DAMPING 0.010

SPECTRAL ACCELERATION (G)

FREQUENCY (HZ)

EARTHQUAKE ENGINEERING SYSTEMS

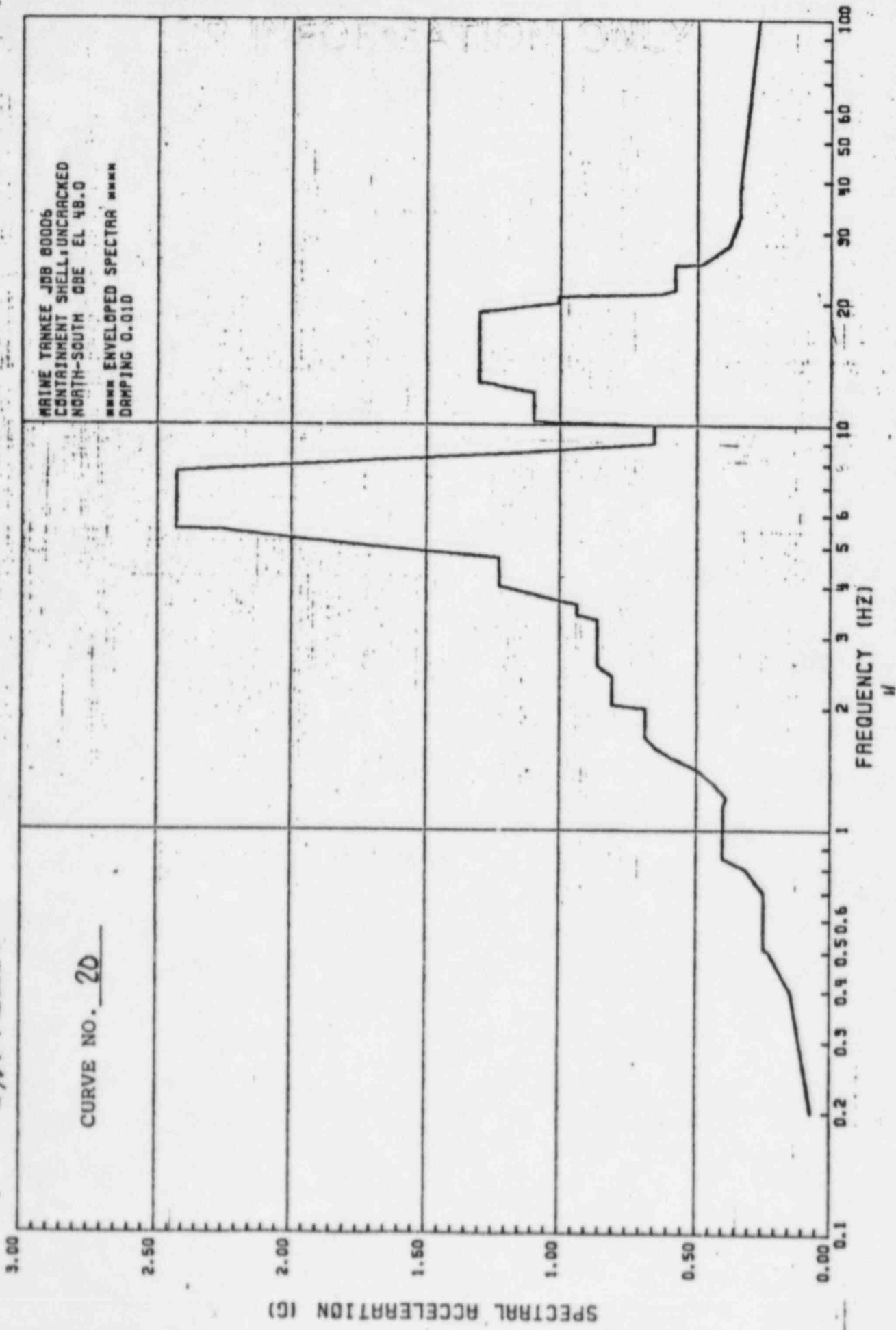
FOR INFORMATION ONLY



EF S BRIAN B
NP FIL 112

CURVE NO. 20

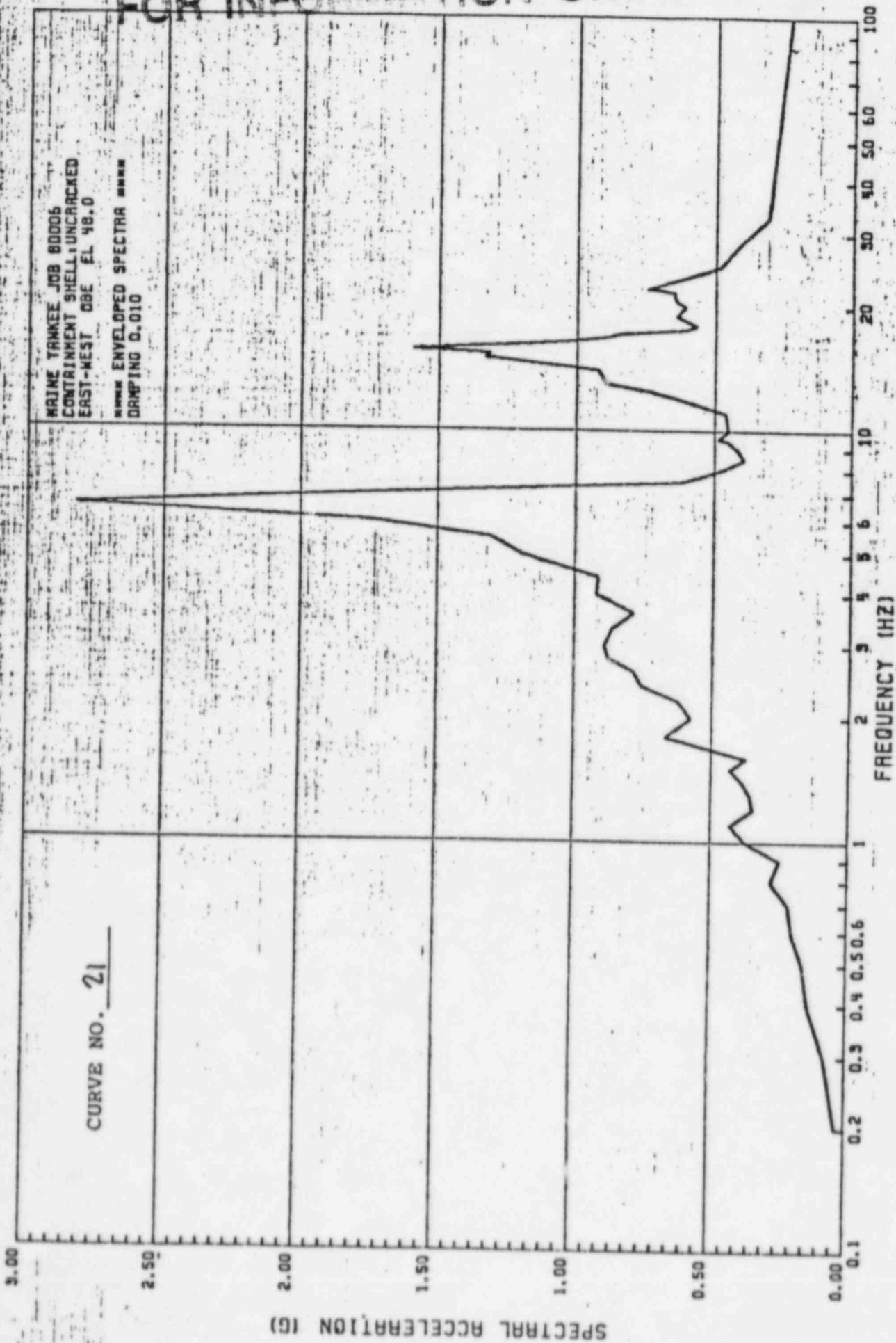
MAINE TANKER JOB 00006
CONTAINMENT SHELL UNCRACKED
NORTH-SOUTH CBE EL 48.0
ENVELOPED SPECTRA
DAMPING 0.010



EARTHQUAKE ENGINEERING SYSTEMS

EES NPF1401

CURVE NO. 21



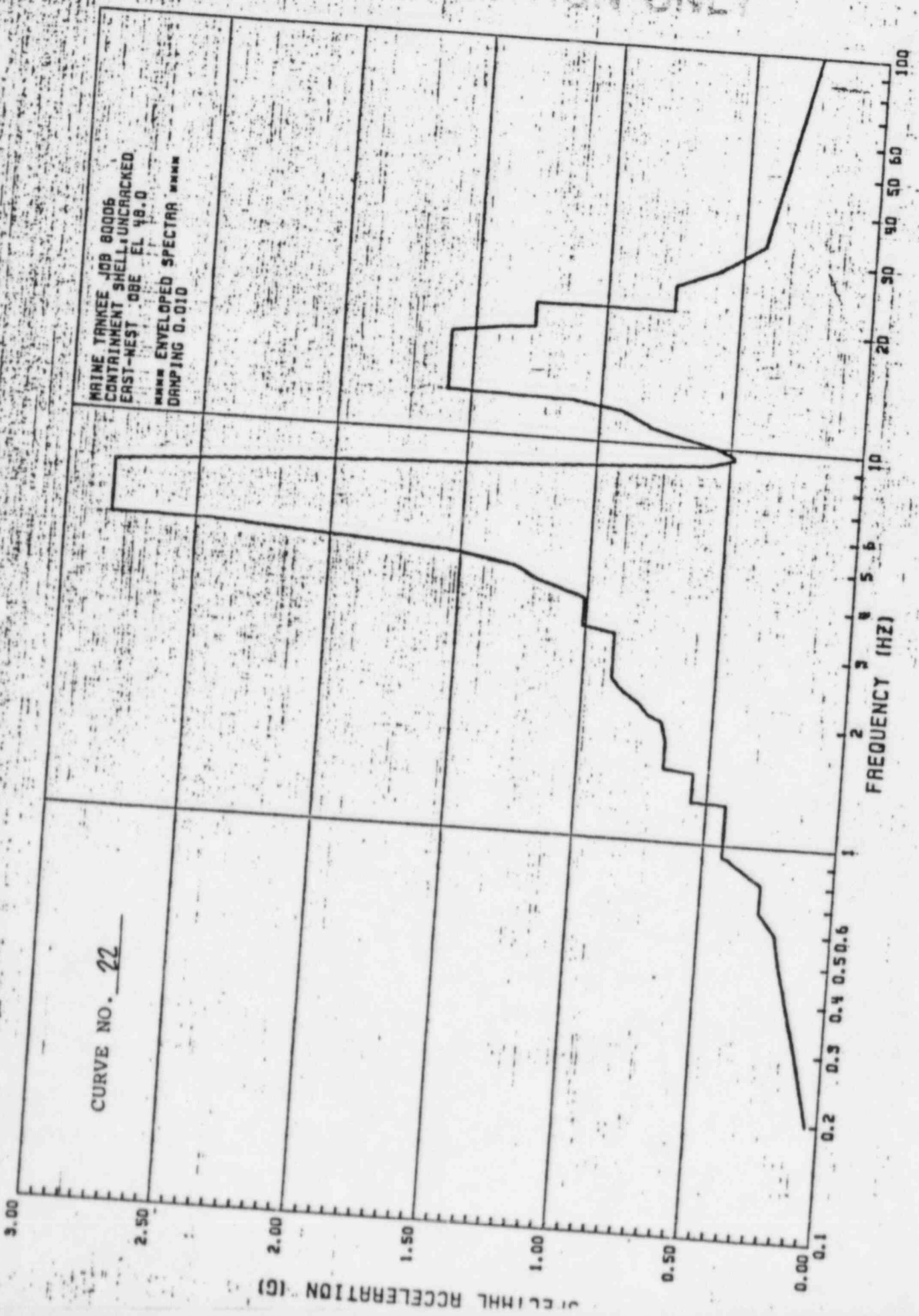
EARTHQUAKE ENGINEERING SYSTEMS

EC 3 NPF1102

CURVE NO. 22

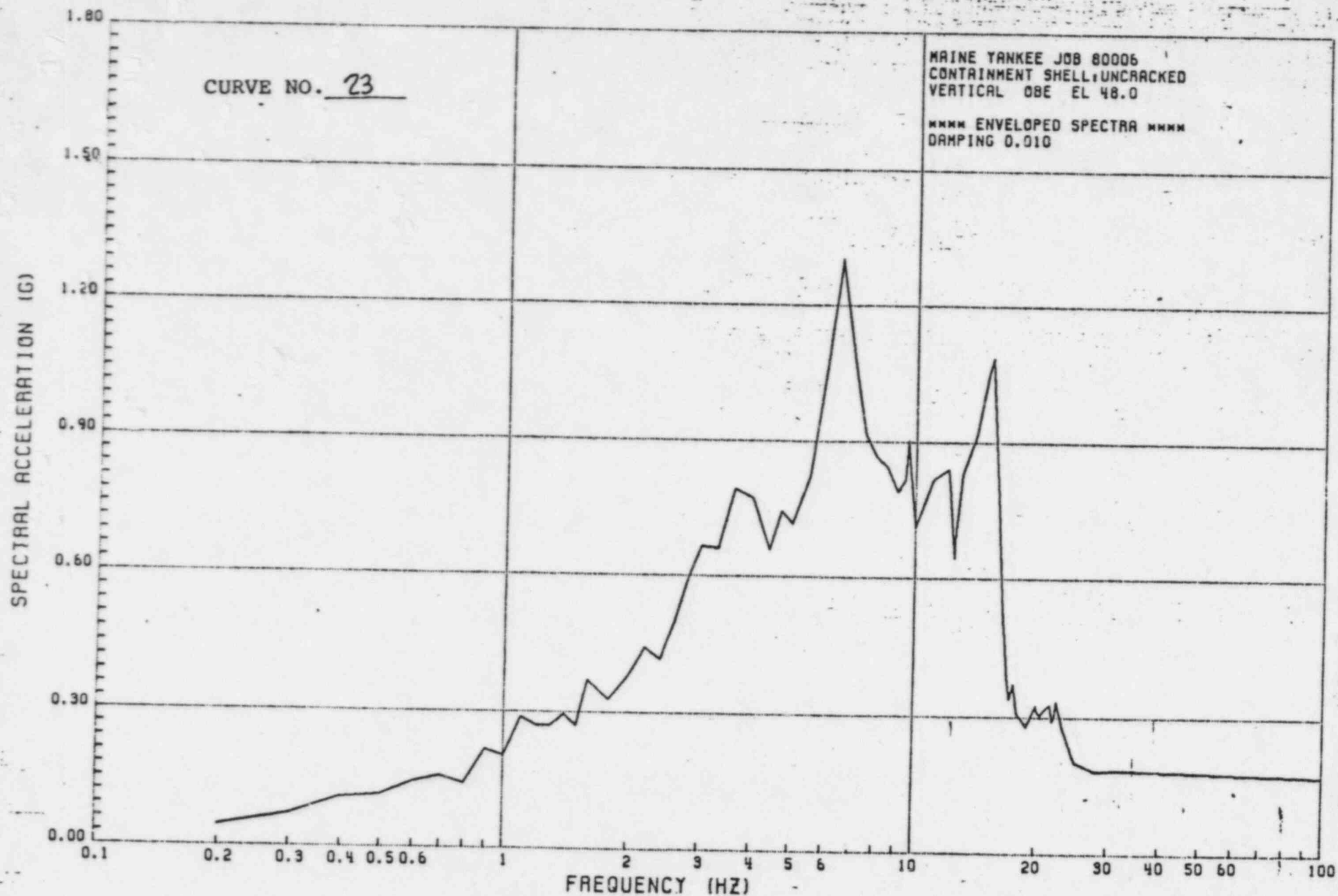
MAINE TANKER JOB 80006
CONTAINMENT SHELL UNCRACKED
EAST-NEST OBE EL 48.0
ENVELOPED SPECTRA
DAMPING 0.010

FOR INFORMATION ONLY

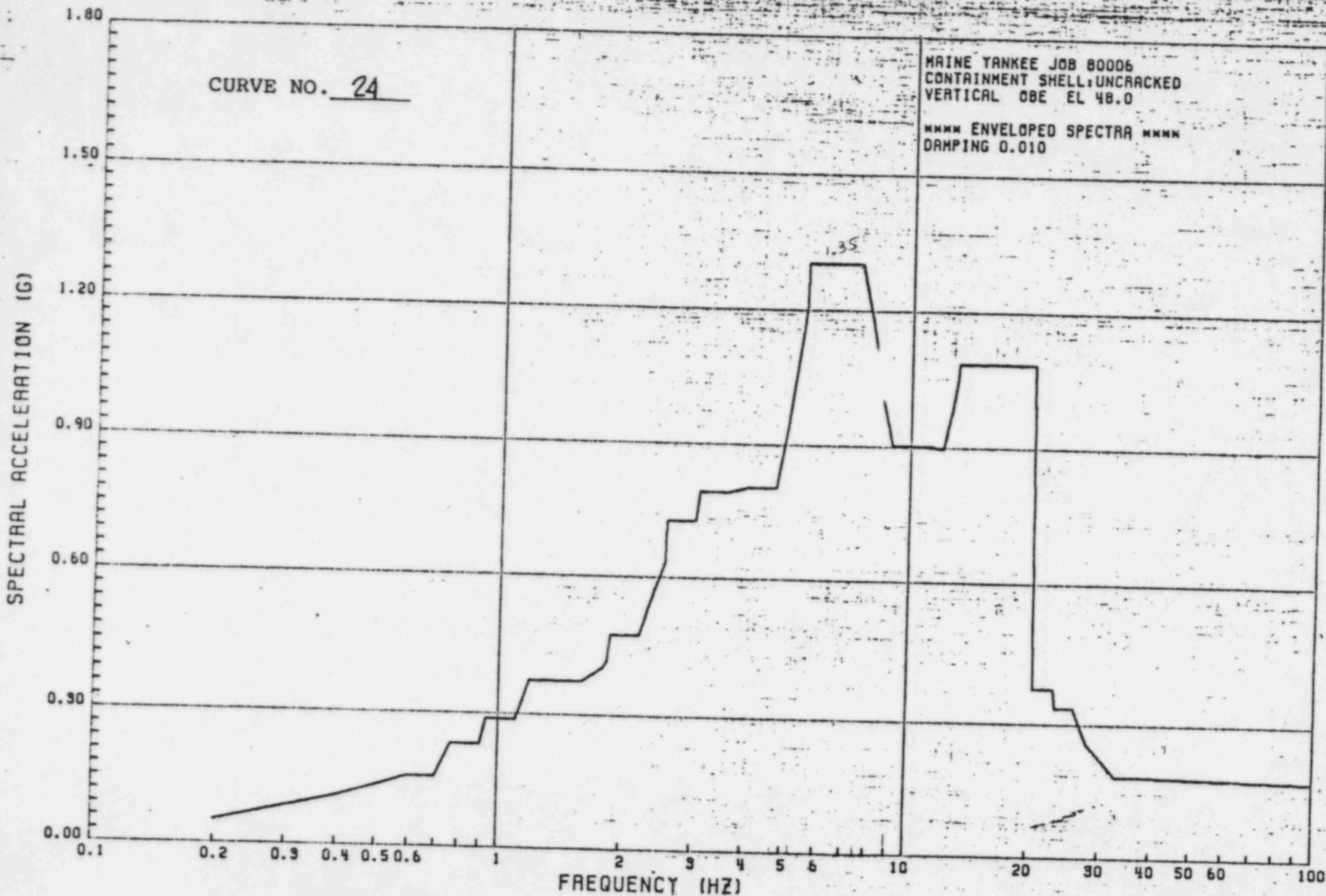


EARTHQUAKE ENGINEERING SYSTEMS

EES NPF1 L01



EES NPF 1102



FOR INFORMATION ONLY

EES

#NDPIL 63

CURVE NO. 25

FOR INFORMATION ONLY

RAINE TANK JG2 80005
TANK TRIMMENT SHELL UNCRACKED
NORTH-SOUTH DBE EL 98.0
MMMM ENVELOPED SPECTRA MMMM
DAMPING 0.010

SPECTRAL ACCELERATION (G)

FREQUENCY (HZ)

EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES

#1105143

CURVE NO. 26

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
NORTH-SOUTH OBE EL 98.0

MMK ENVELOPED SPECTRA MMK
DAMPING 0.010

SPECTRAL ACCELERATION (G)

4.80

4.00

3.20

2.40

1.60

0.80

0.00

0.1

0.2 0.3 0.4 0.5 0.6

FREQUENCY (HZ)

1

2

3

4

5

6

10

20

30

50

60

100

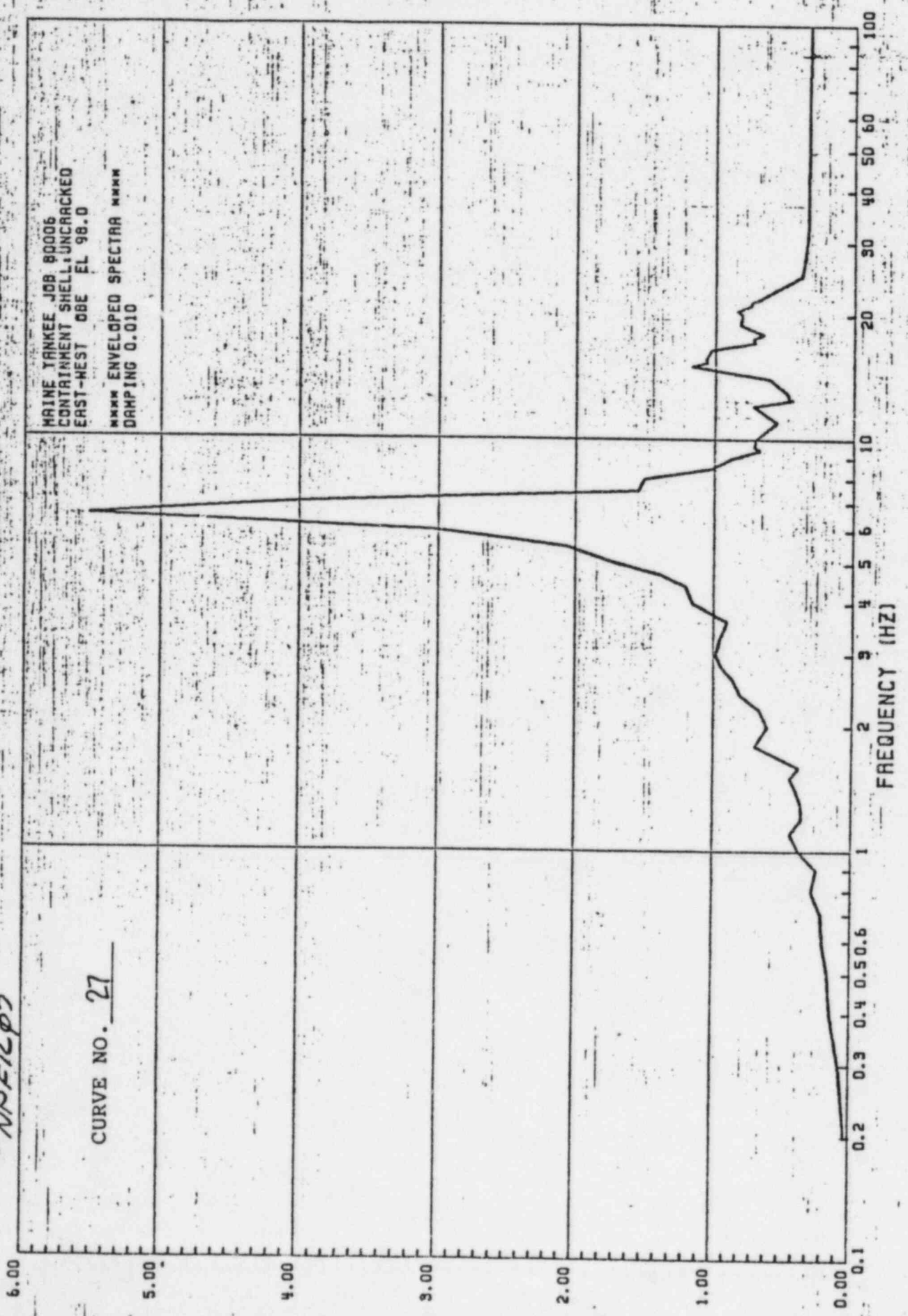
EARTHQUAKE ENGINEERING SYSTEMS

EES

NP51267

CURVE NO. 27

MAINE YANKEE JOB 80005
CONTAINMENT SHELL UNCRACKED
EAST-NEST OBE EL 98.0
ENVELOPED SPECTRA
DAMPING 0.010



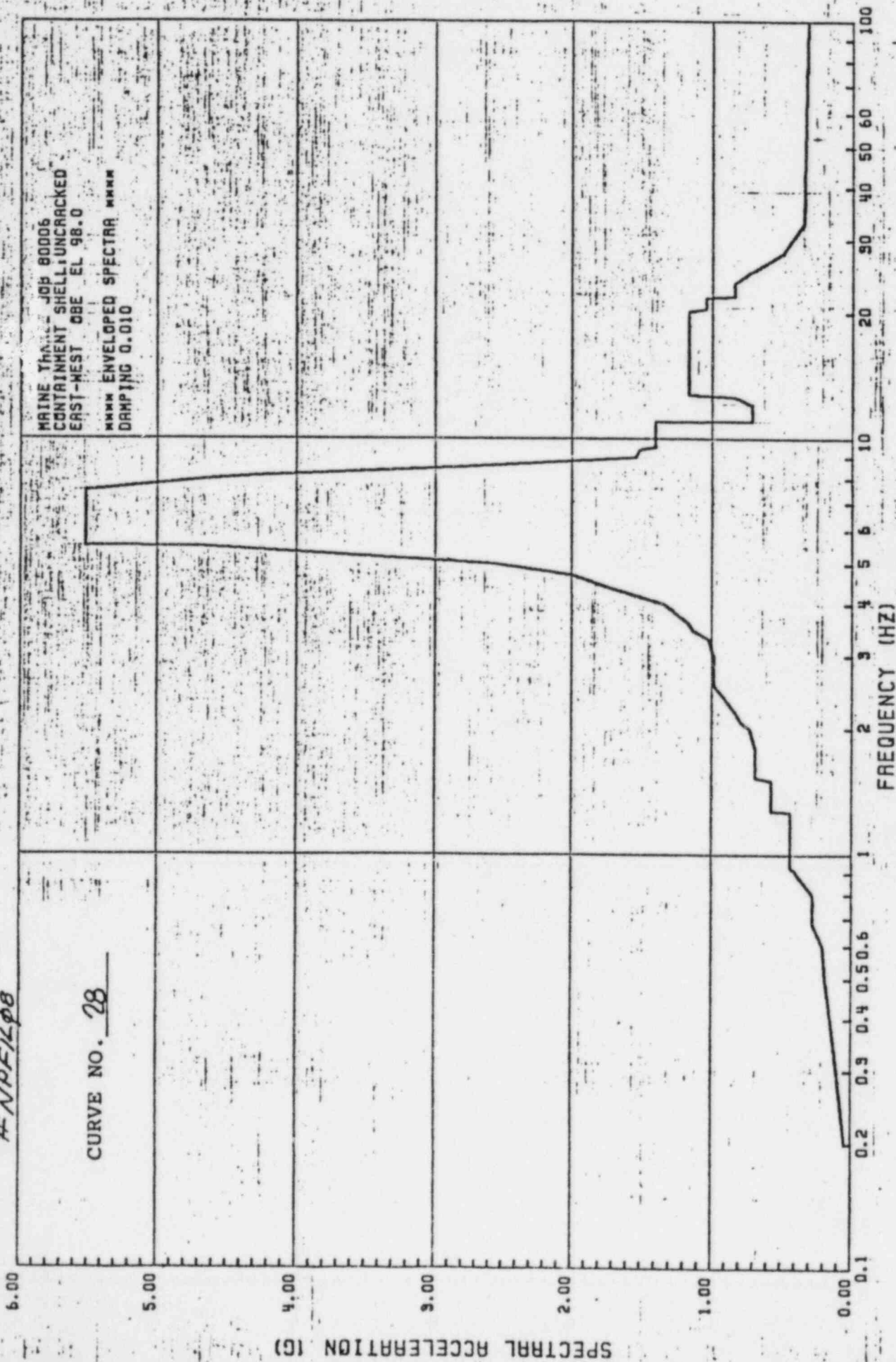
EES

#NRF/168

CURVE NO. 28

MAINE TANK - JOB 80006
CONTAINMENT SHELL, UNCRACKED
EAST-WEST OBE EL 98.0
SEISMIC ENVELOPED SPECTRA
DAMPING 0.010

FOR INFORMATION ONLY

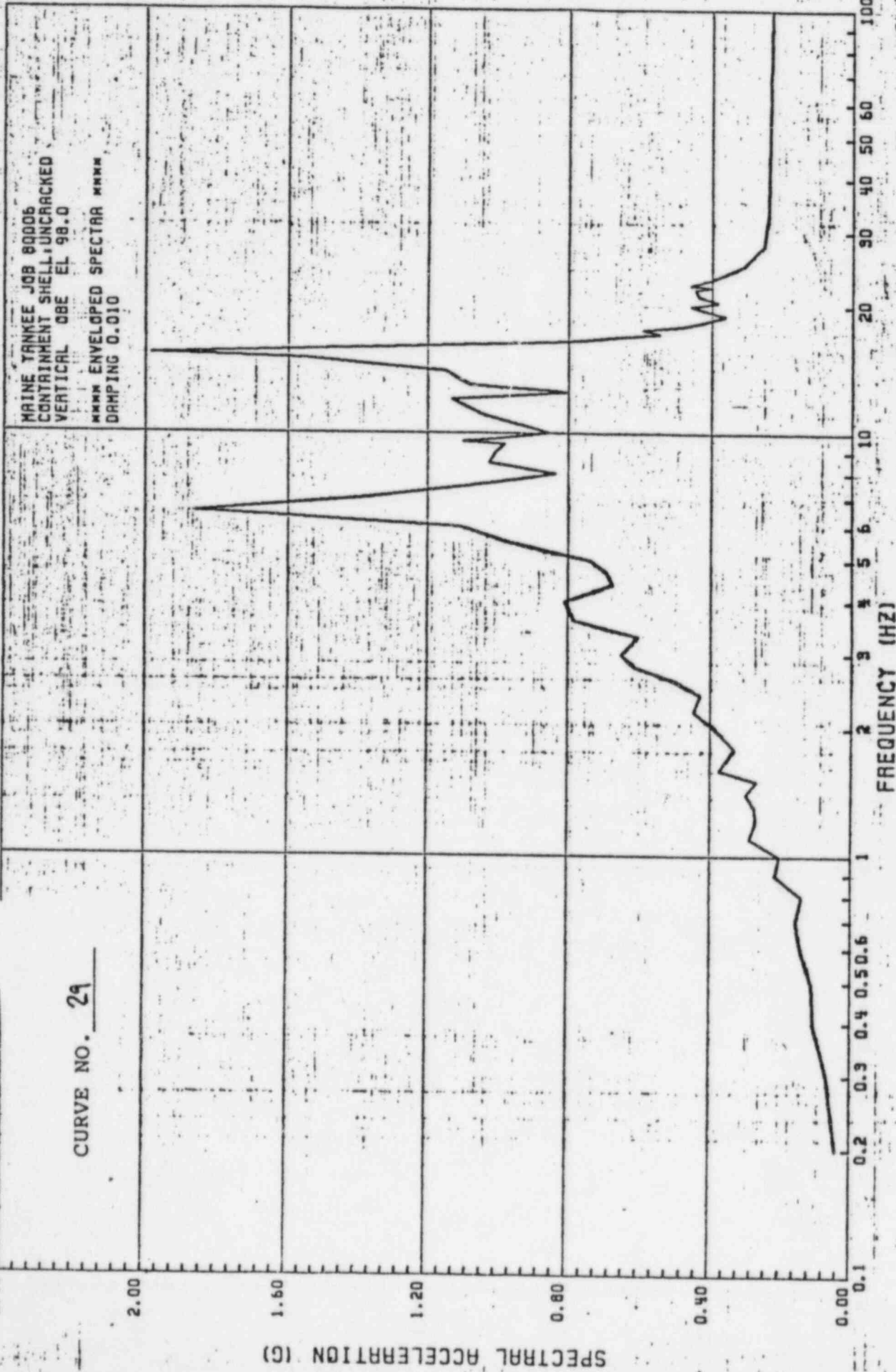


EARTHQUAKE ENGINEERING SYSTEMS

EES

NPFIL

CURVE NO. 29



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES

#APF112

2.40

CURVE NO. 30

2.00

SPECTRAL ACCELERATION (G)

1.60

1.20

0.80

0.40

0.00

MAINE TANKEE JOB 80005
CONTAINMENT SHELL, UNCRACKED
VERTICAL OBE EL 98.0
ENVELOPED SPECTRA
DAMPING 0.010

FREQUENCY (HZ)

0.2 0.3 0.4 0.5 0.6 1 2 3 4 5 6 10 20 30 40 50 60 100

EARTHQUAKE ENGINEERING SYSTEMS

EES

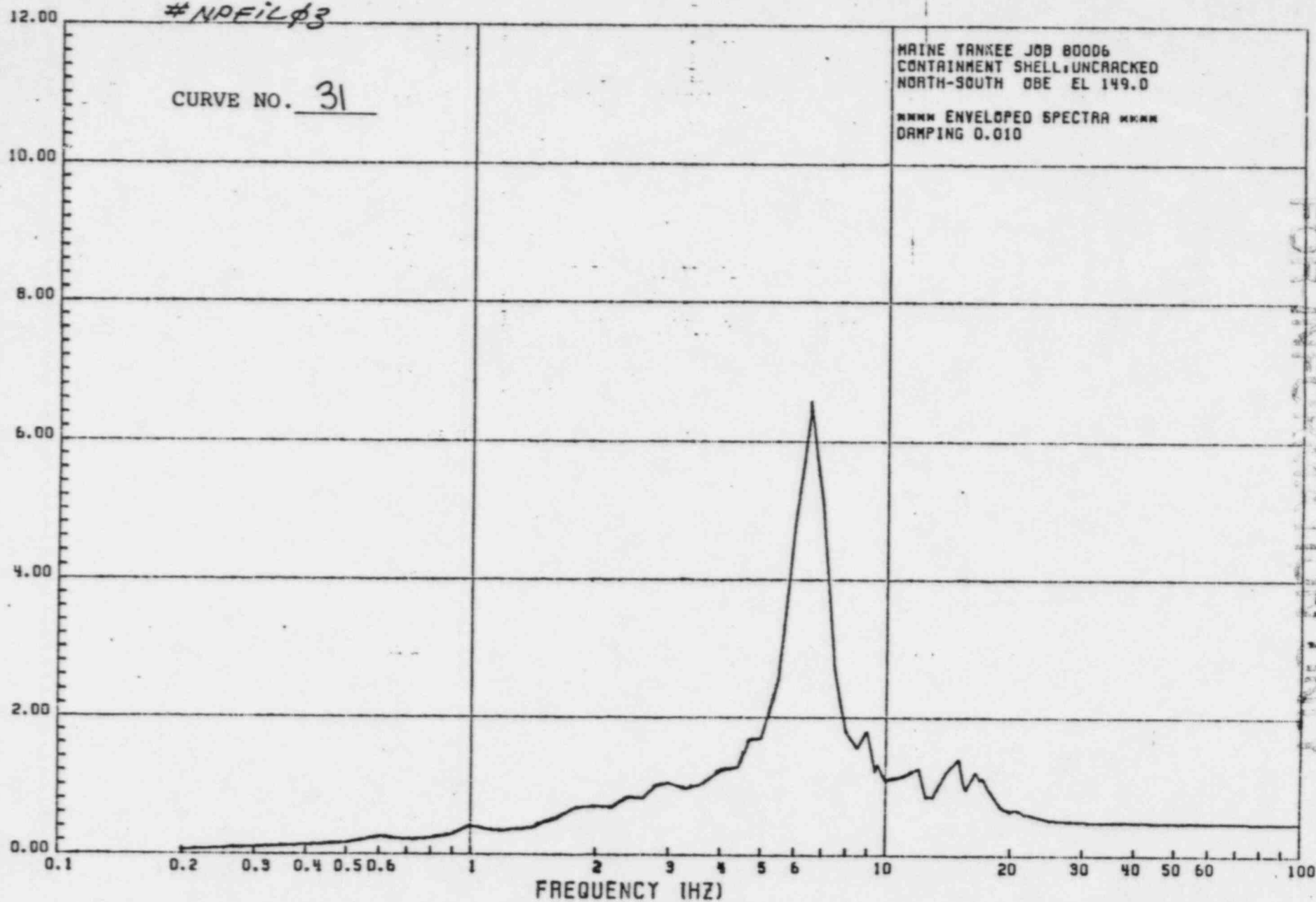
#NPFIL03

CURVE NO. 31

MAINE TANKER JOB 80006
CONTAINMENT SHELL, UNCRACKED
NORTH-SOUTH OBE EL 149.0

*** ENVELOPED SPECTRA ***
DAMPING 0.010

SPECTRAL ACCELERATION (G)



ONLY

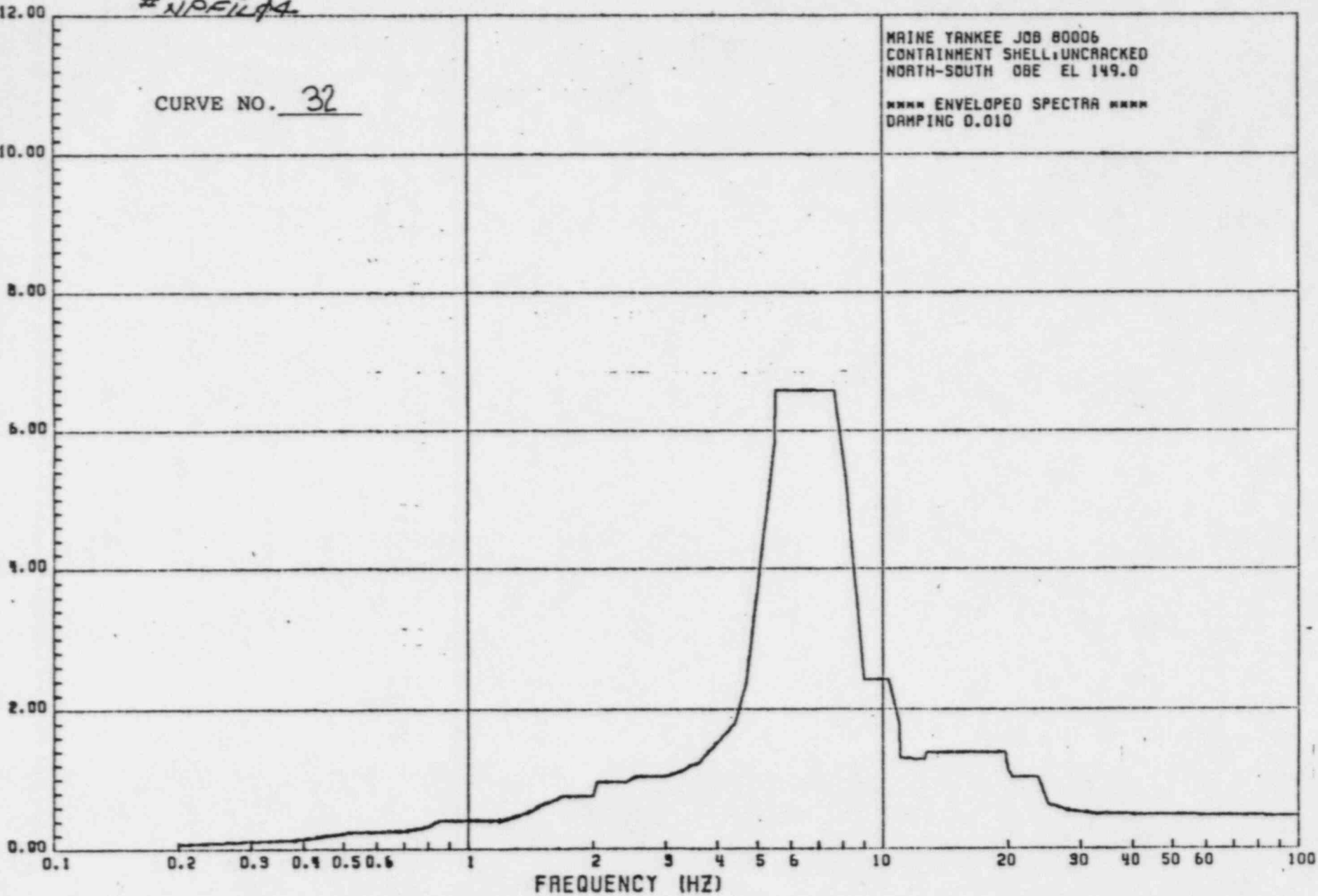
EES

#NPFIL#4

CURVE NO. 32

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
NORTH-SOUTH OBE EL 149.0
**** ENVELOPED SPECTRA ****
DAMPING 0.010

SPECTRAL ACCELERATION (G)



EES

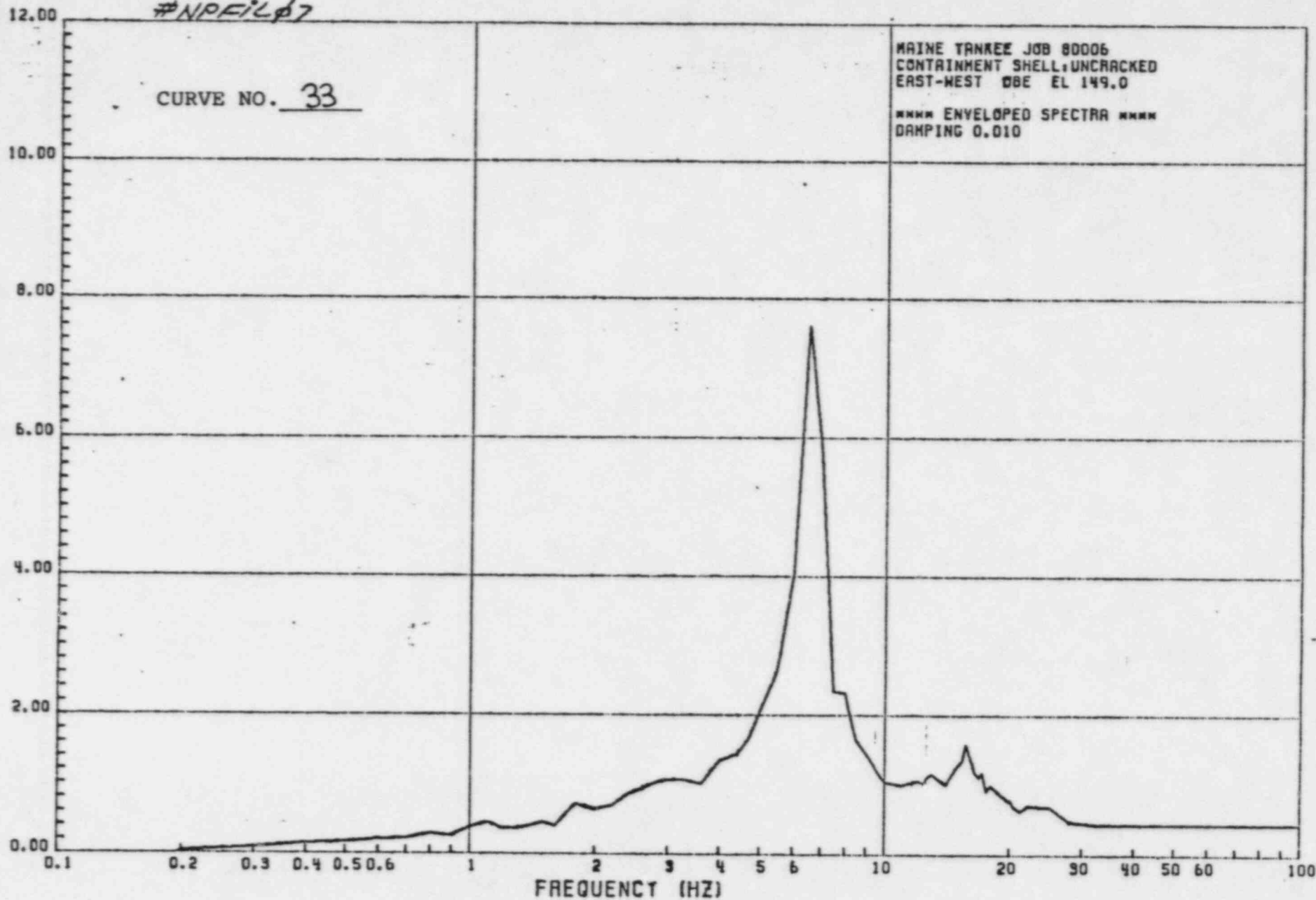
#NPFILp7

CURVE NO. 33

MAINE TANKER JOB 80006
CONTAINMENT SHELL UNCRACKED
EAST-WEST DBE EL 149.0

**** ENVELOPED SPECTRA ****
DAMPING 0.010

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

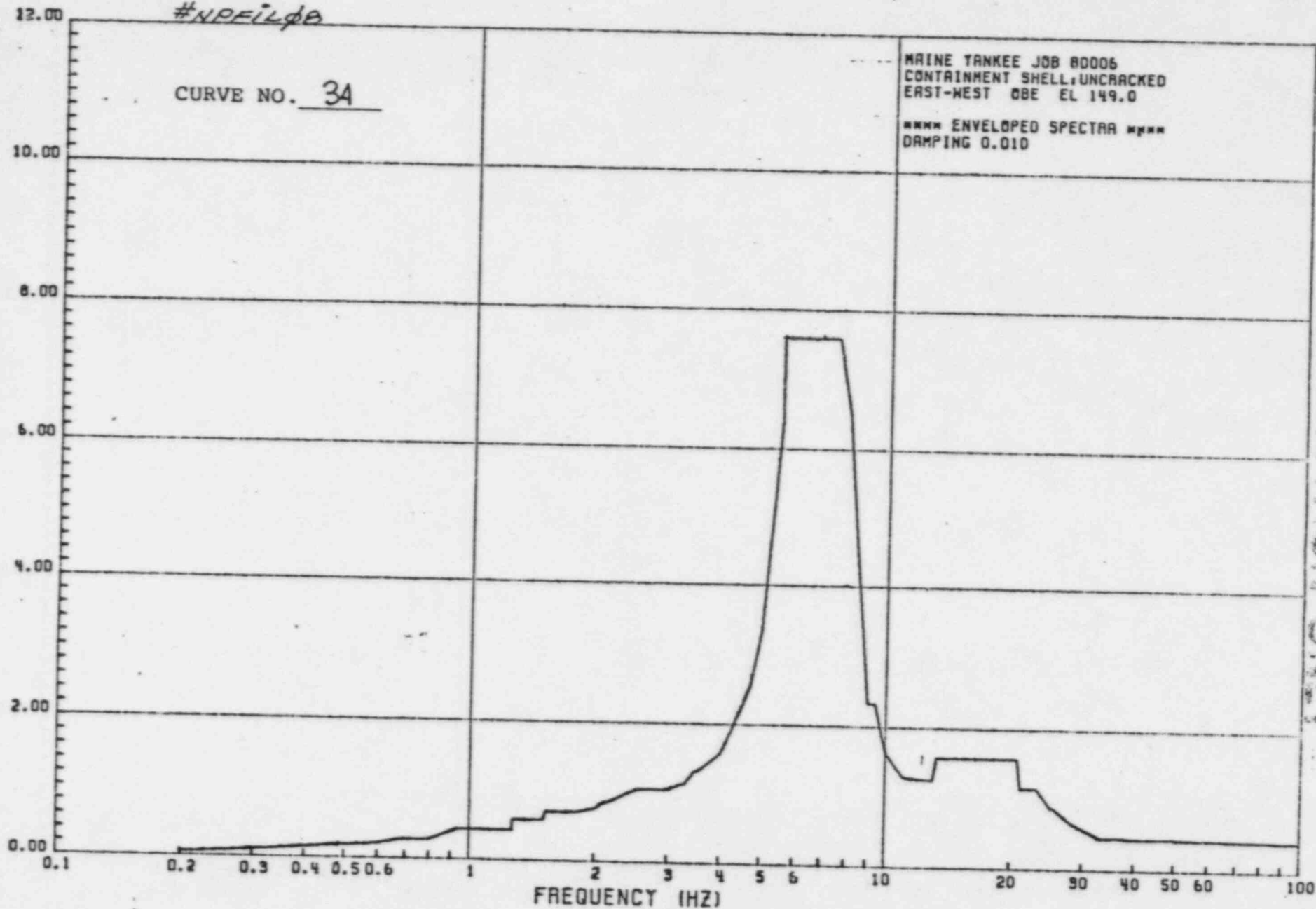
#NPFILΦB

CURVE NO. 34

MAINE TANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
EAST-WEST DBE EL 149.0

*** ENVELOPED SPECTRA ***
DAMPING 0.010

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

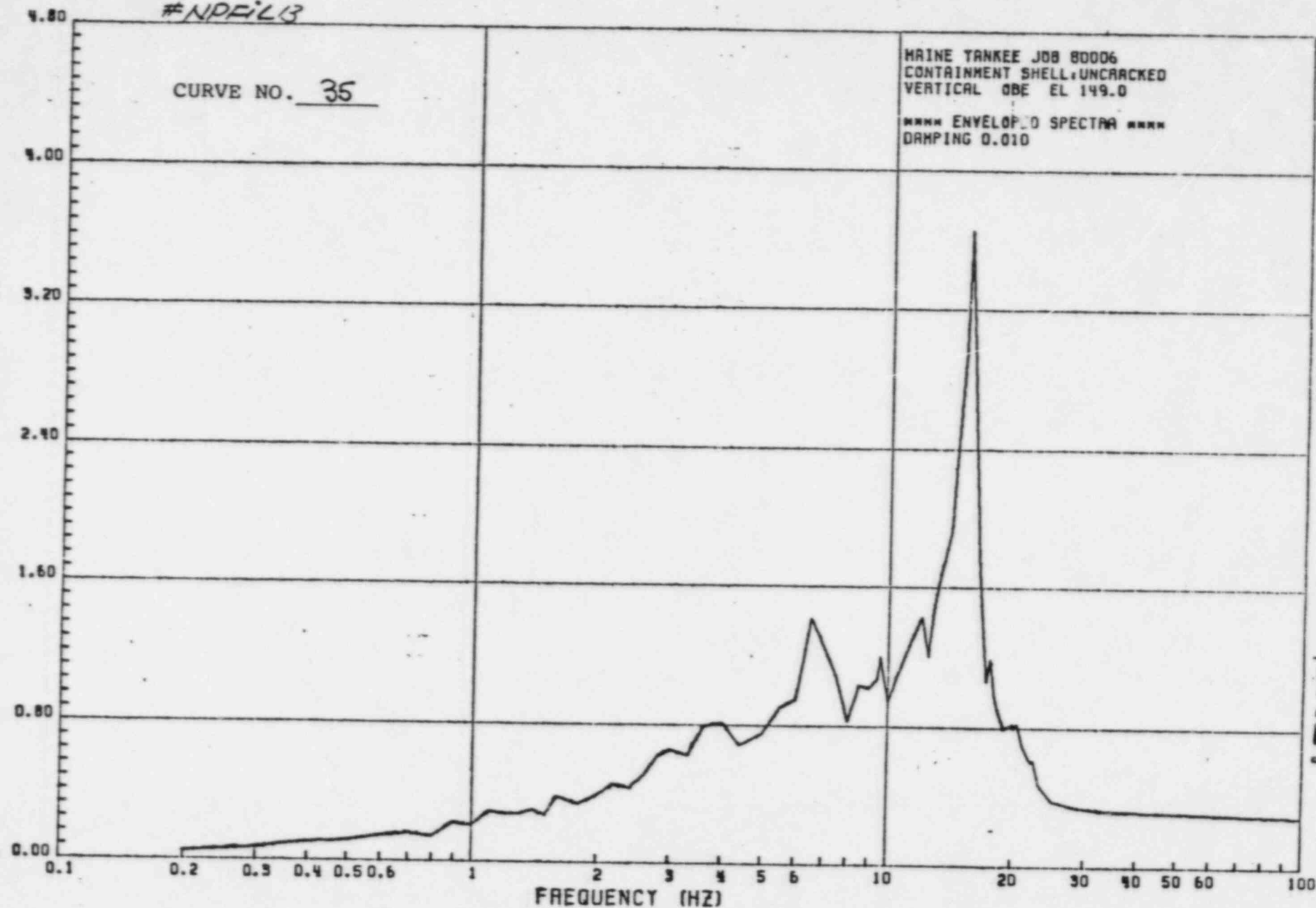
#NPFILB

CURVE NO. 35

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
VERTICAL OBE EL 149.0

*** ENVELOPED SPECTRA ***
DAMPING 0.010

FOR INFORMATION ONLY



EARTHQUAKE ENGINEERING SYSTEMS

EES

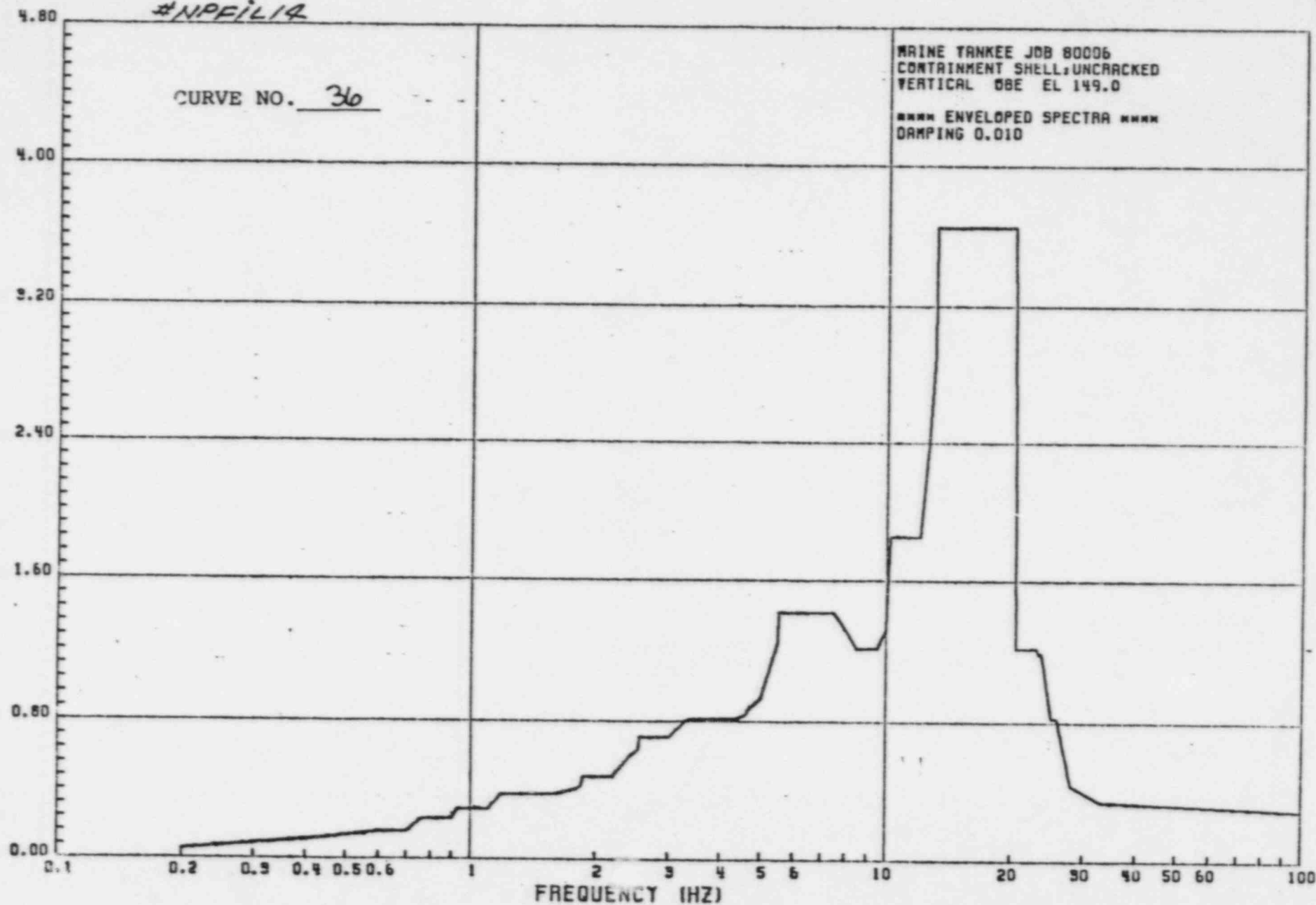
#NPFIL14

CURVE NO. 36

MAINE TANKER JOB 80006
CONTAINMENT SHELL, UNCRACKED
VERTICAL DBE EL 149.0

*** ENVELOPED SPECTRA ***
DAMPING 0.010

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

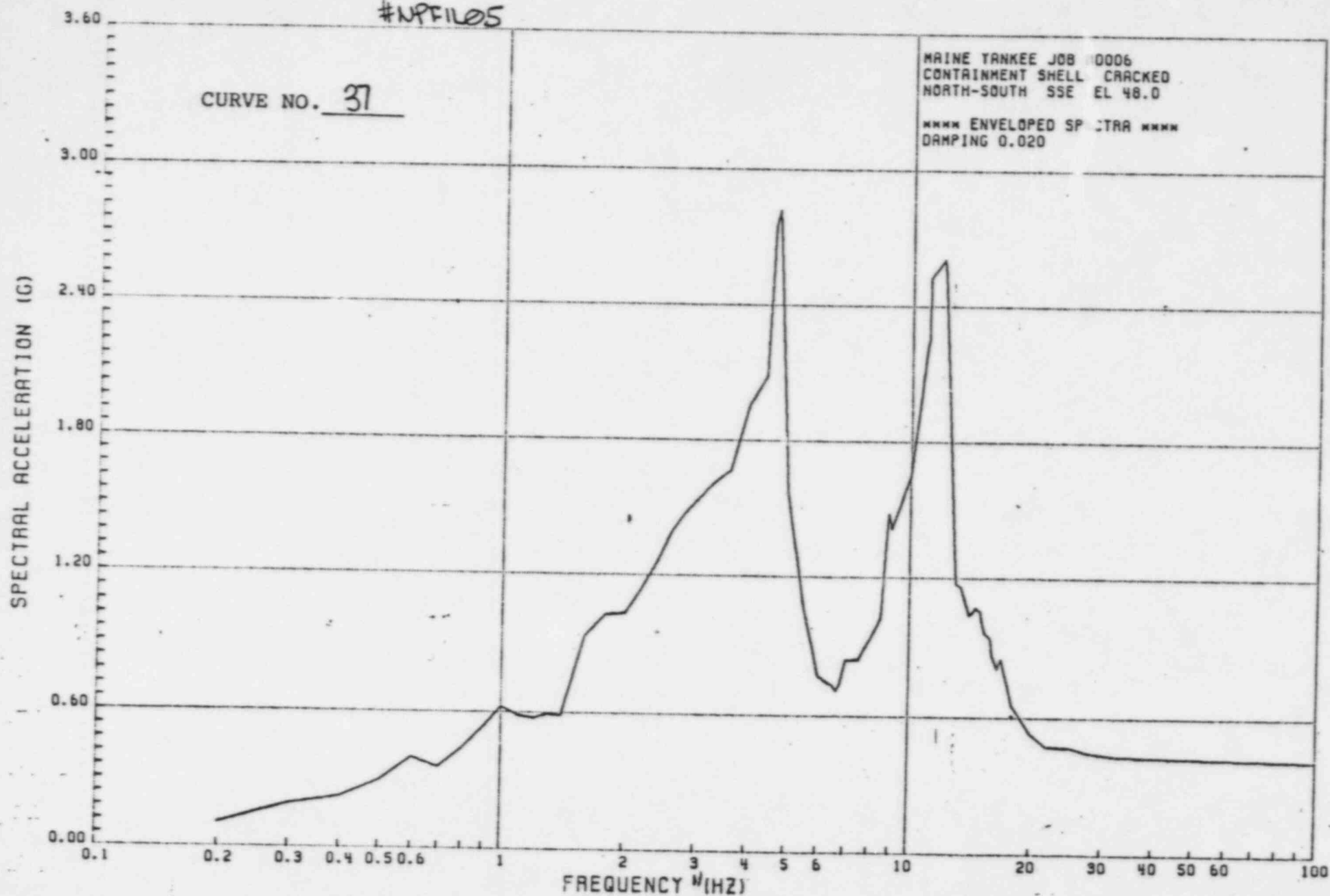
EES

#NPFIL05

CURVE NO. 37

MAINE TANKEE JOB 0006
CONTAINMENT SHELL CRACKED
NORTH-SOUTH SSE EL 48.0

**** ENVELOPED SP CTRA ****
DAMPING 0.020



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

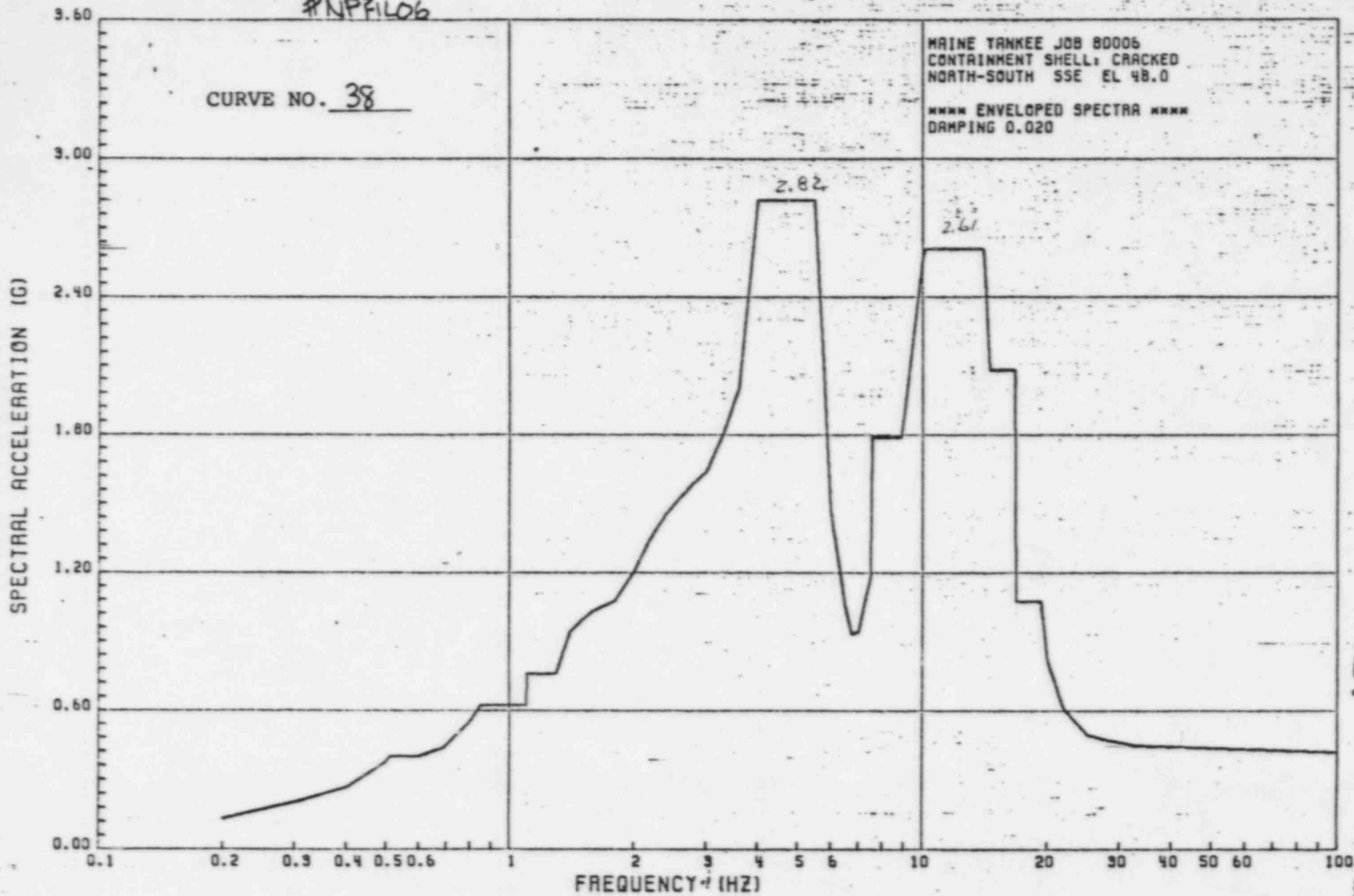
EES

#NPF1406

CURVE NO. 38

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH SSE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020



FOR INFORMATION ONLY

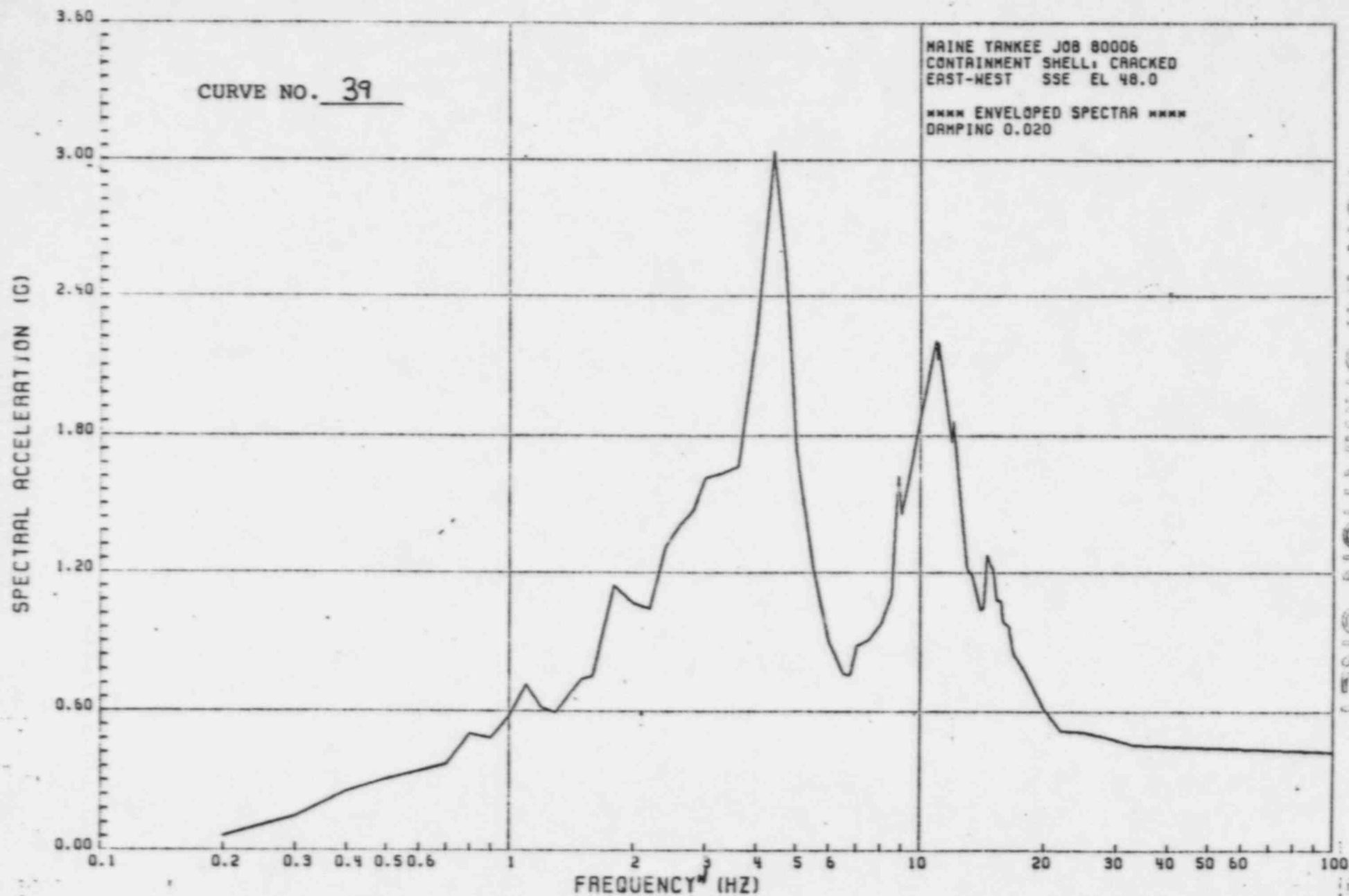
EARTHQUAKE ENGINEERING SYSTEMS

EES NPF1105

CURVE NO. 39

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST SSE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020

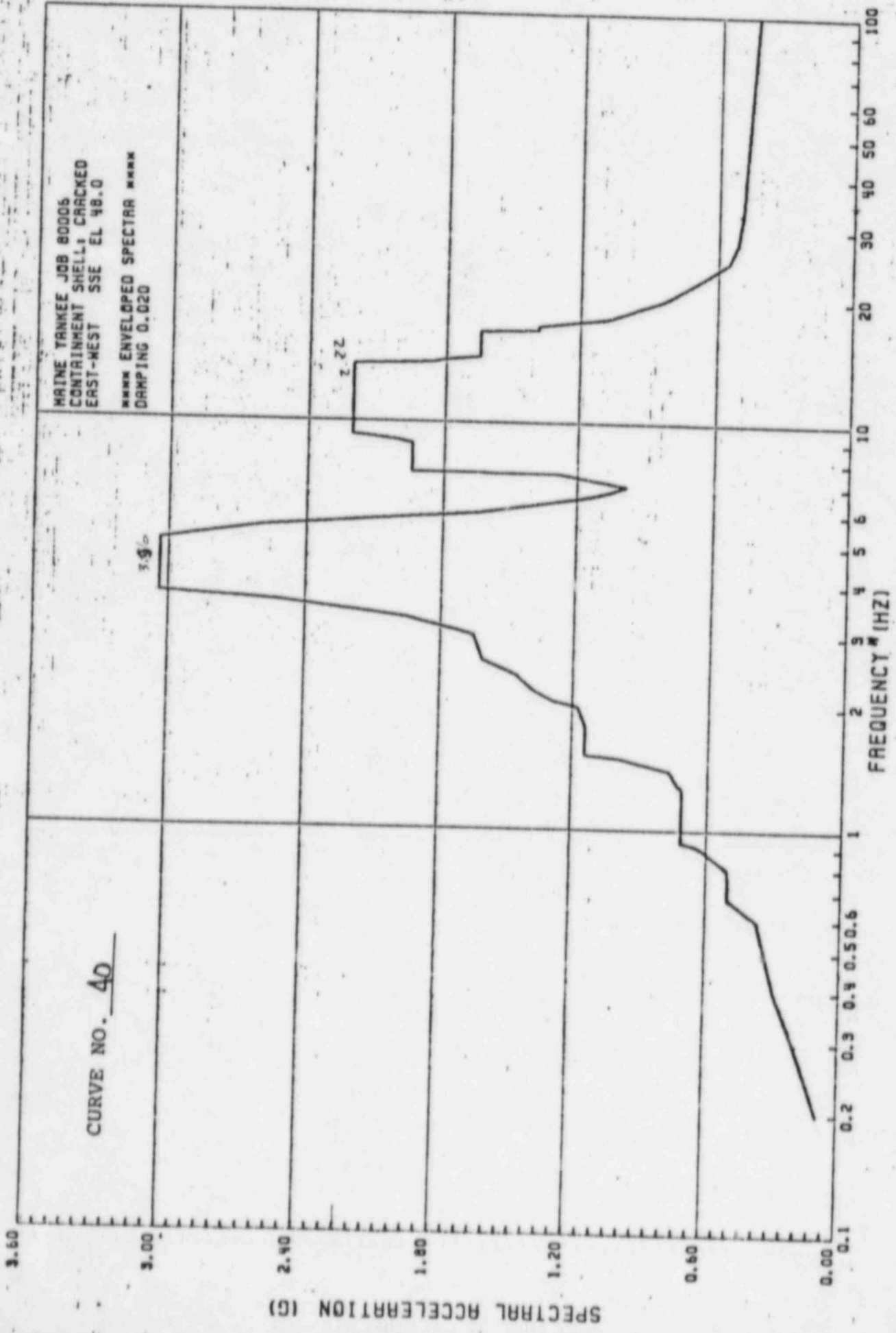


FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES NPF1106

CURVE NO. 40

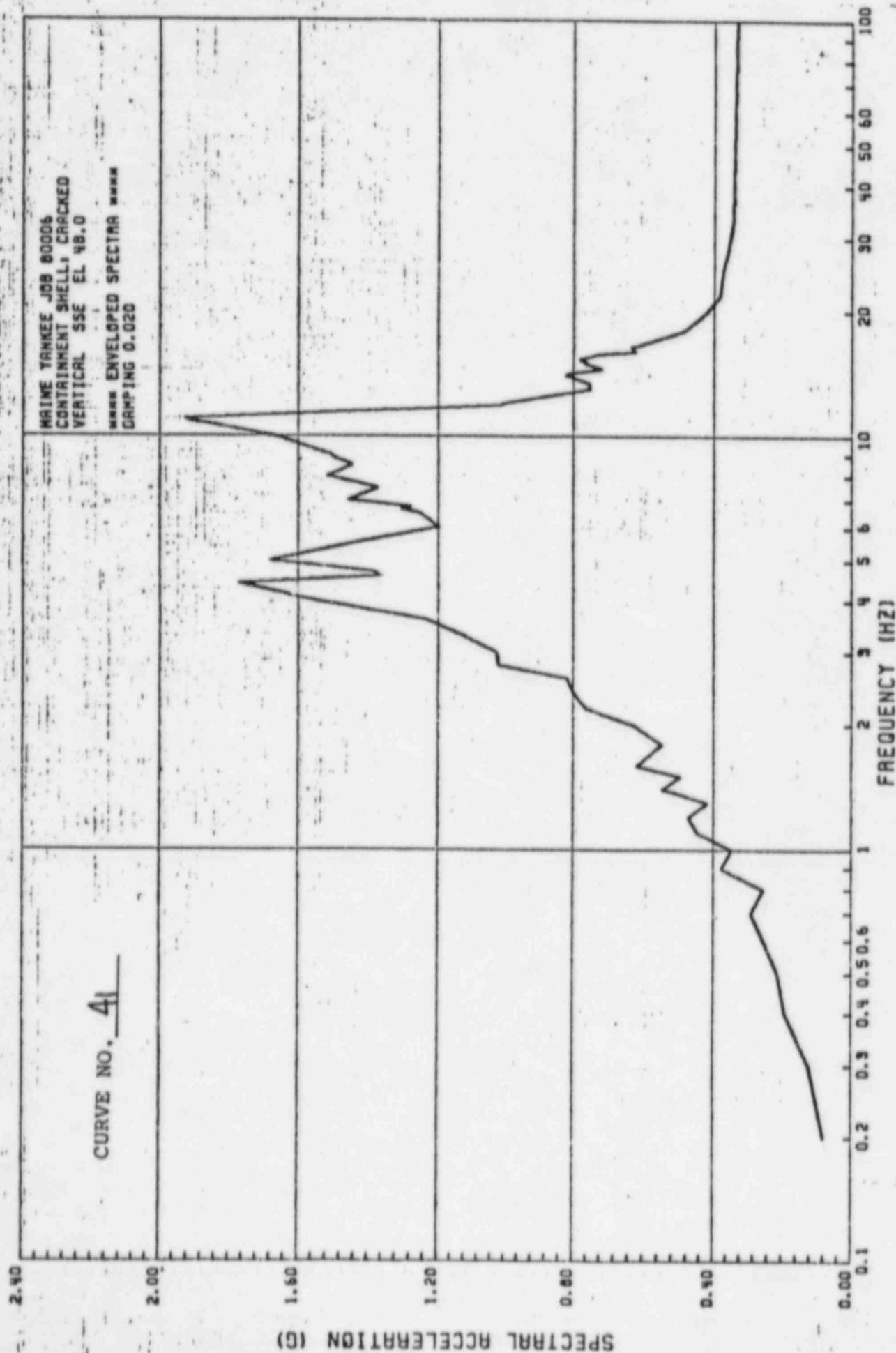


EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES NPF 1101

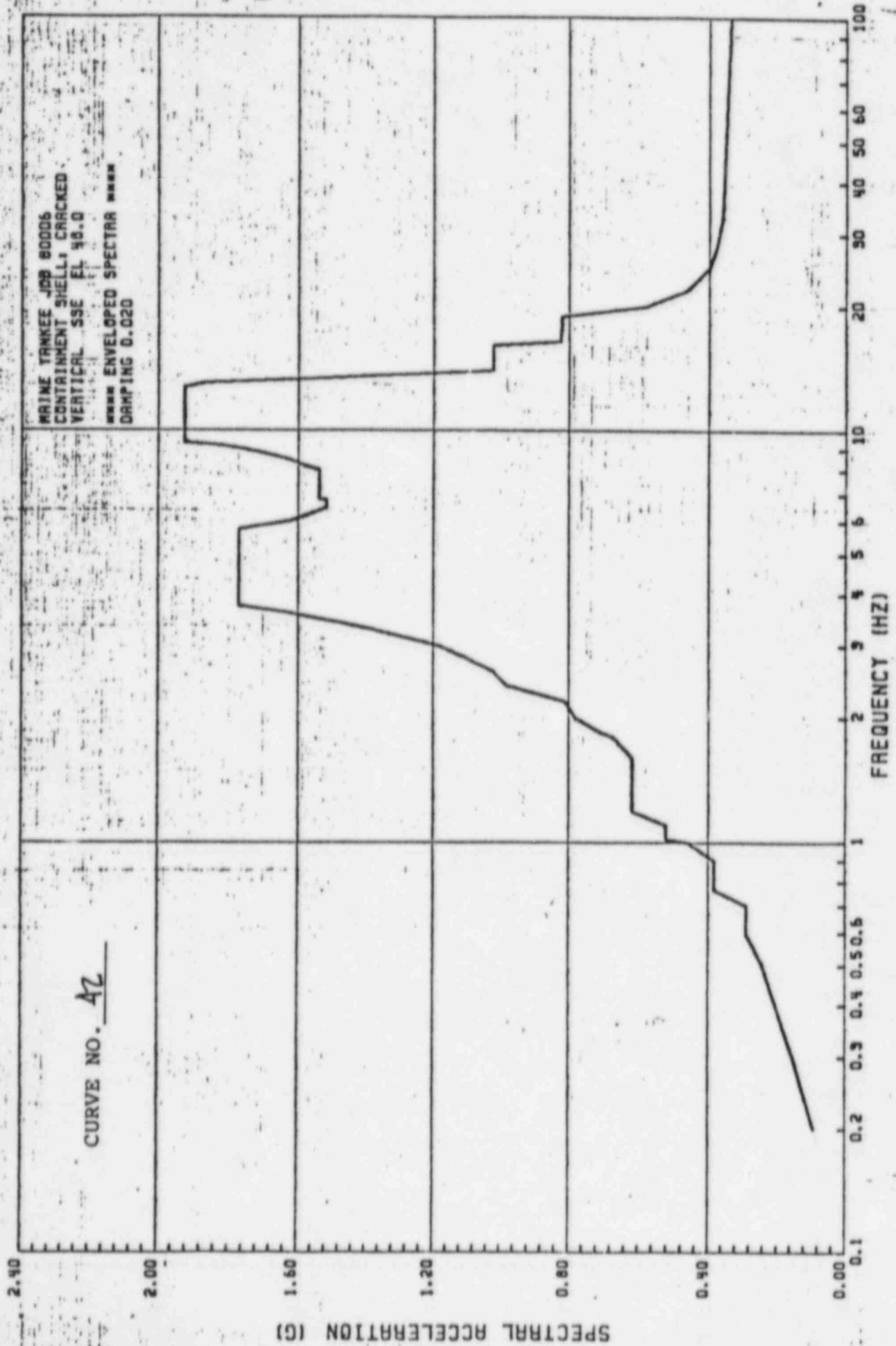
CURVE NO. 41



FOR INFORMATION ONLY

EES NPF 1102

CURVE NO. 42



EARTHQUAKE ENGINEERING SYSTEMS

EES

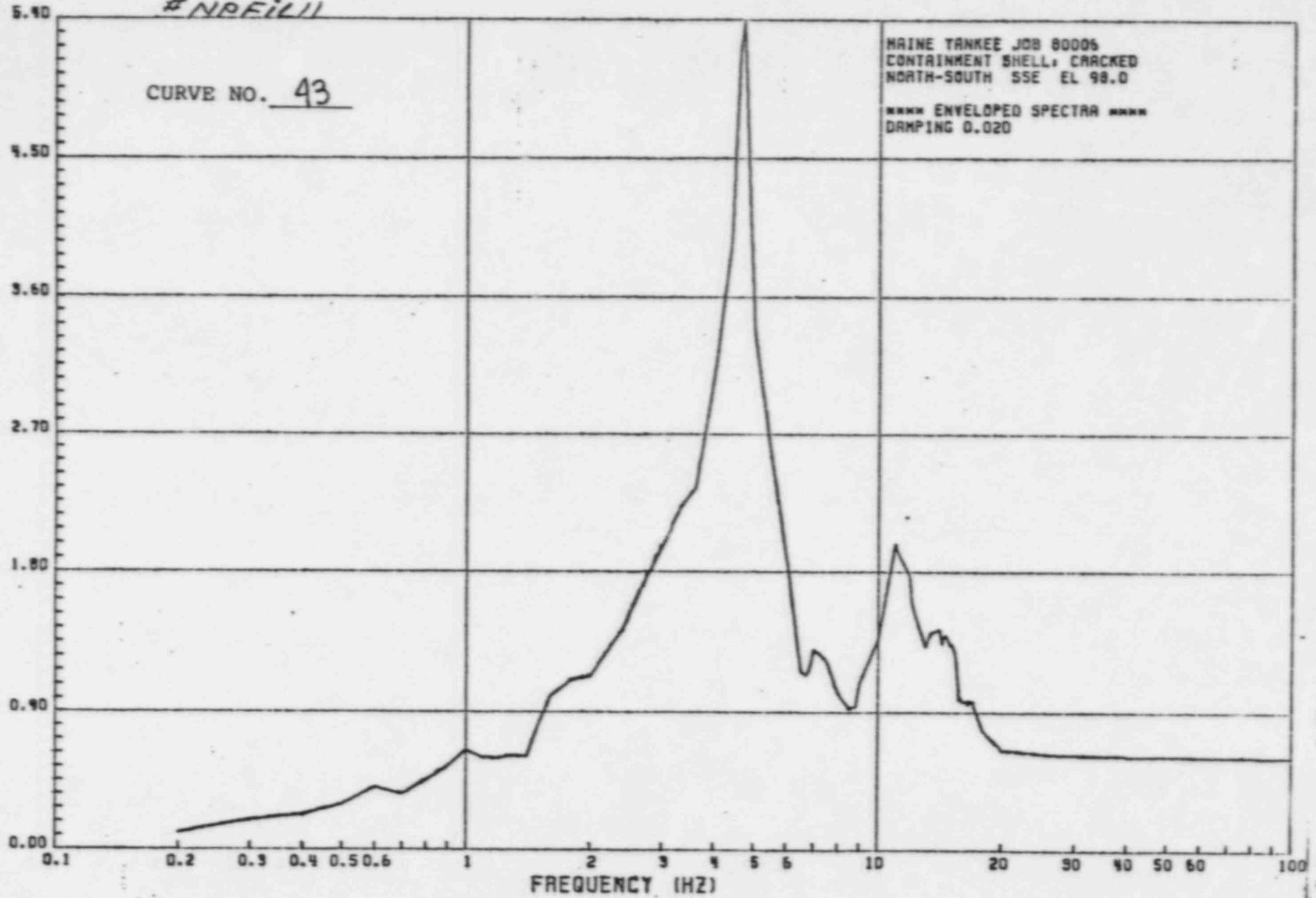
#NRFIL11

CURVE NO. 43

MAINE TANKER JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH SSE EL 98.0

*** ENVELOPED SPECTRA ***
DAMPING 0.020

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

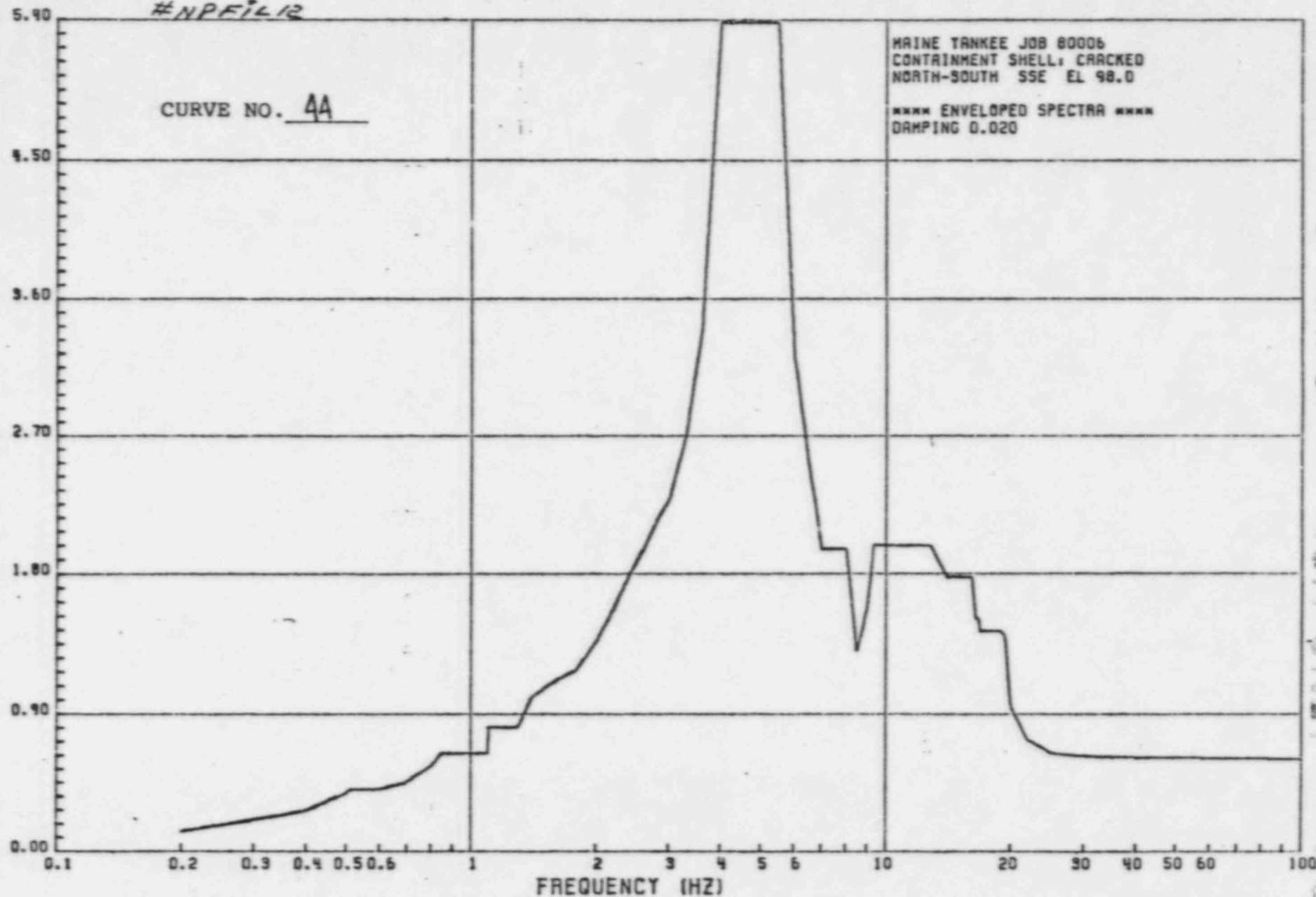
#NPFIL12

CURVE NO. 4A

MAINE TANKEE JOB 80006
CONTAINMENT SHELL: CRACKED
NORTH-SOUTH SSE EL 98.0

*** ENVELOPED SPECTRA ***
DAMPING 0.020

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

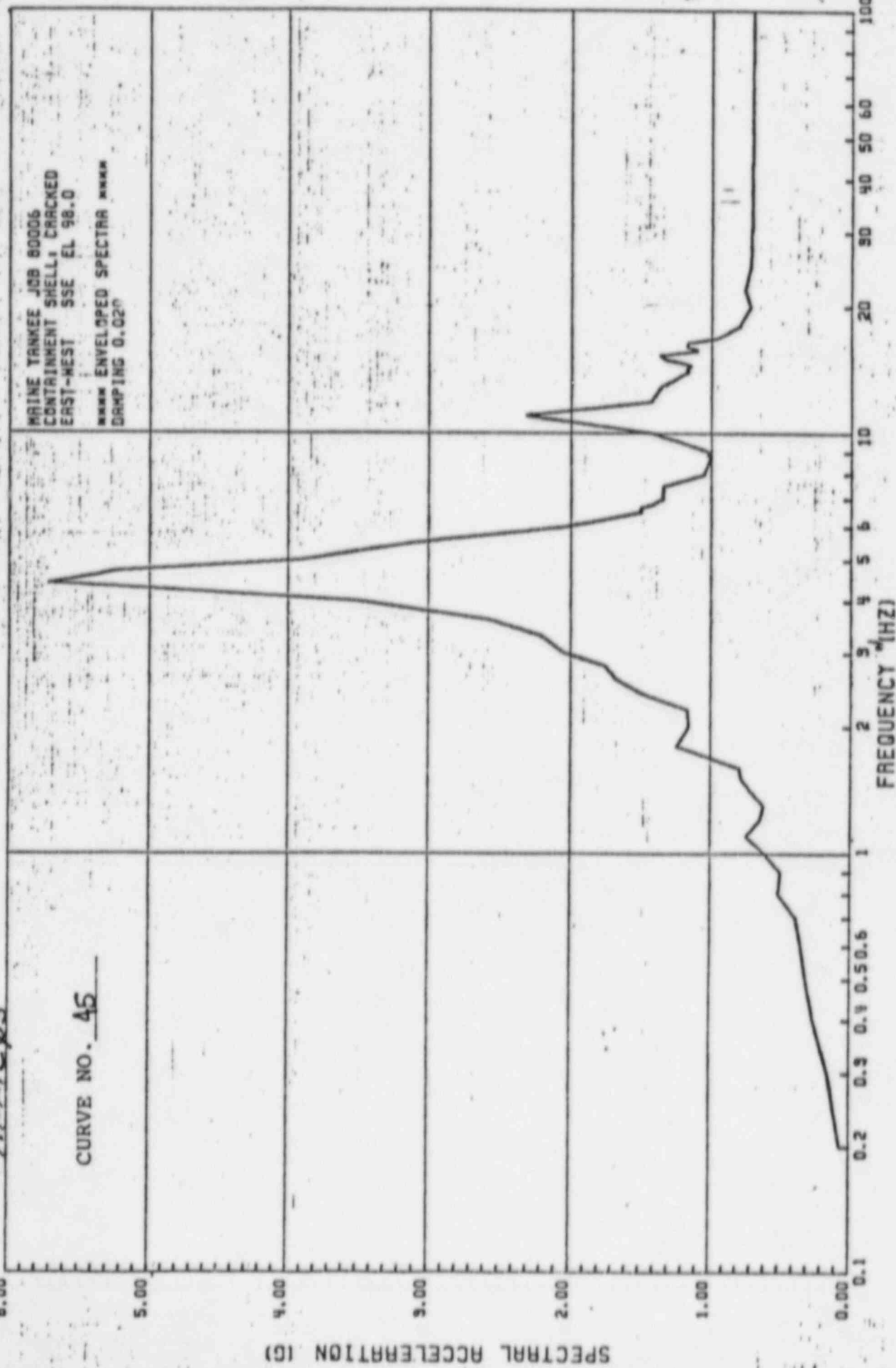
EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION

EES

#NPFIL 03

CURVE NO. 45



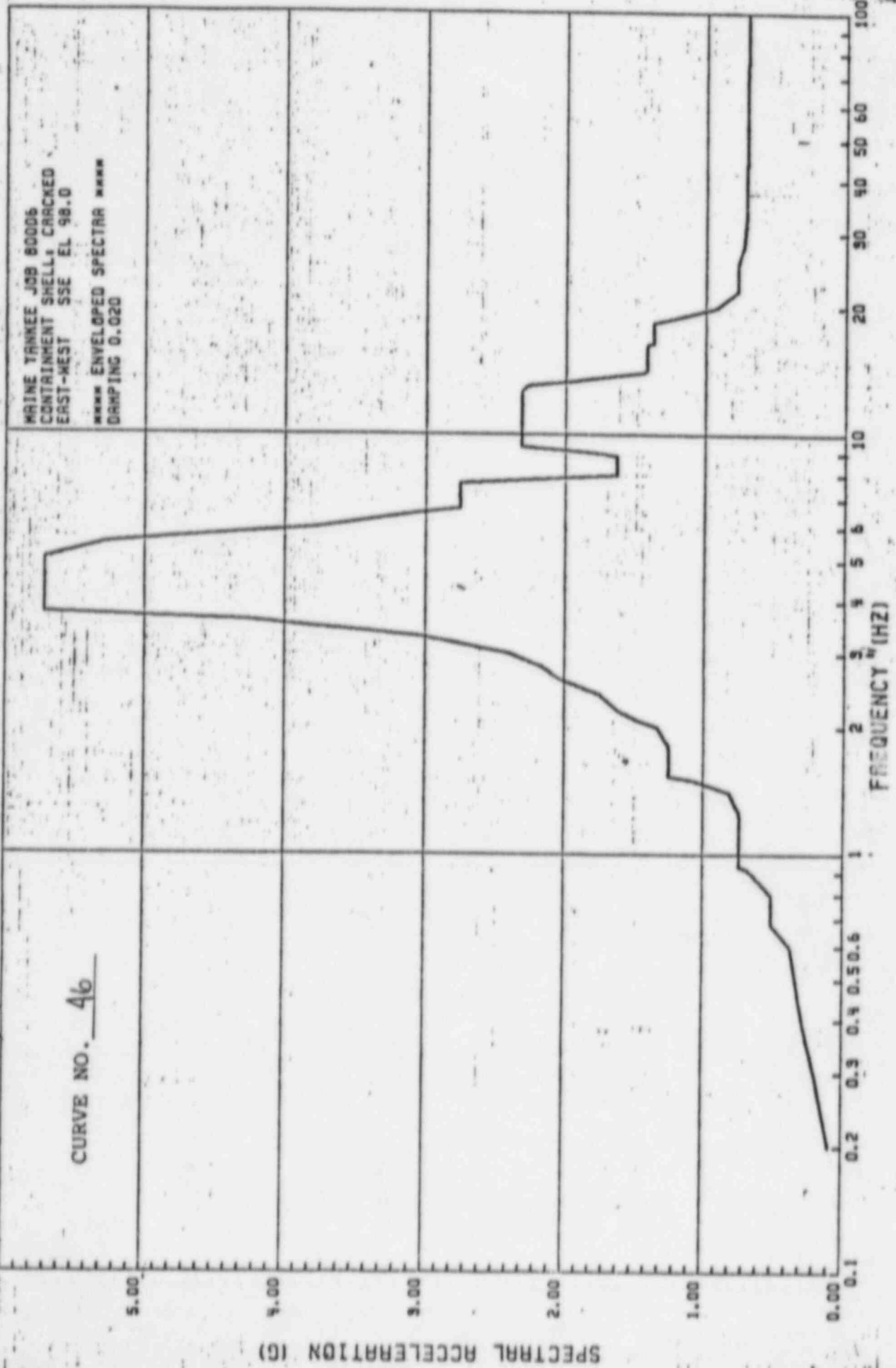
EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES

#NPFIL 44

CURVE NO. 46



EARTHQUAKE ENGINEERING SYSTEMS

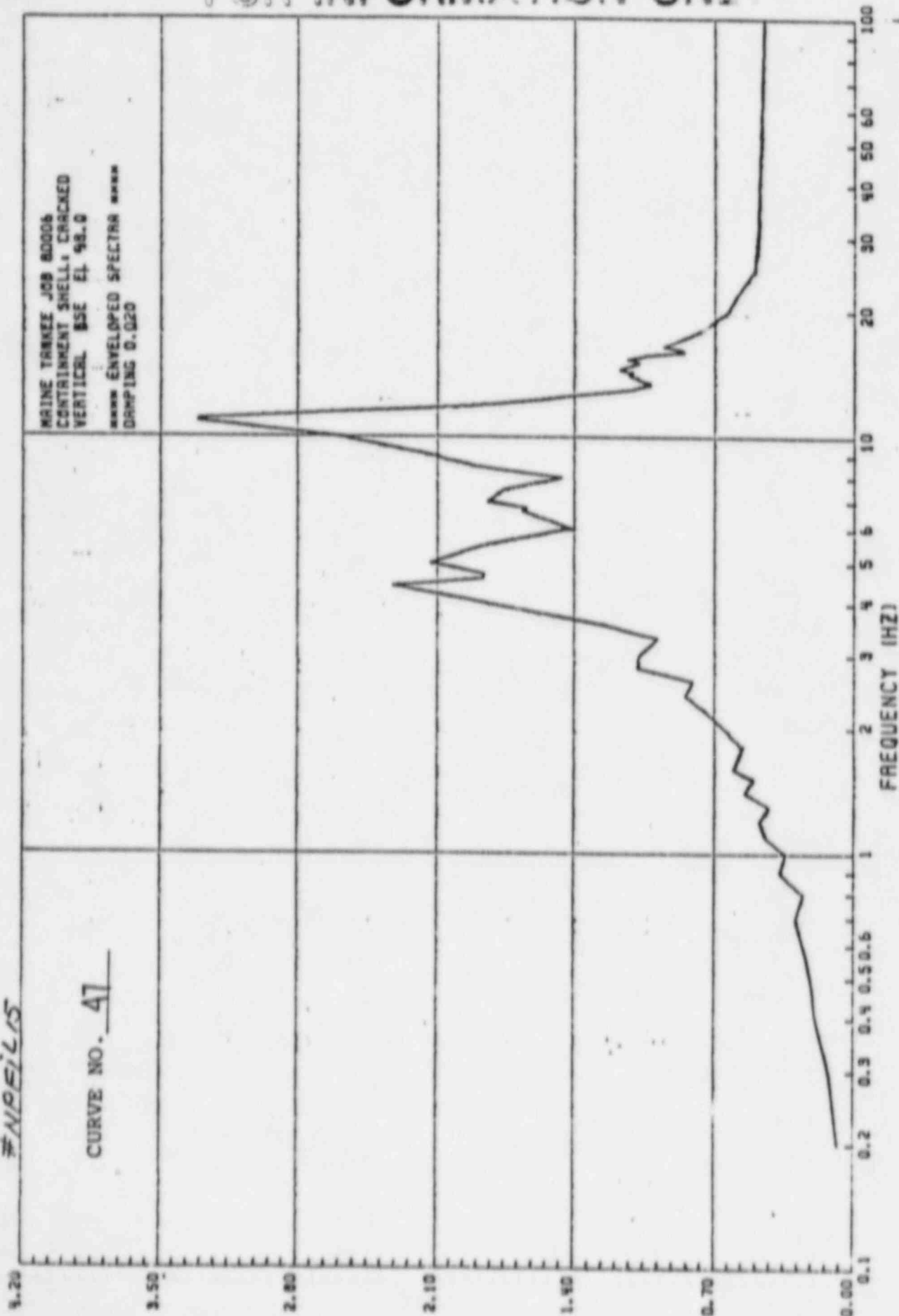
EES

#NPEILIS

CURVE NO. 47

MAINE TANKER JOB 80006
CONTAINMENT SHELL CRACKED
VERTICAL SSE EL 98.0
*** ENVELOPED SPECTRA ***
DAMPING 0.020

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

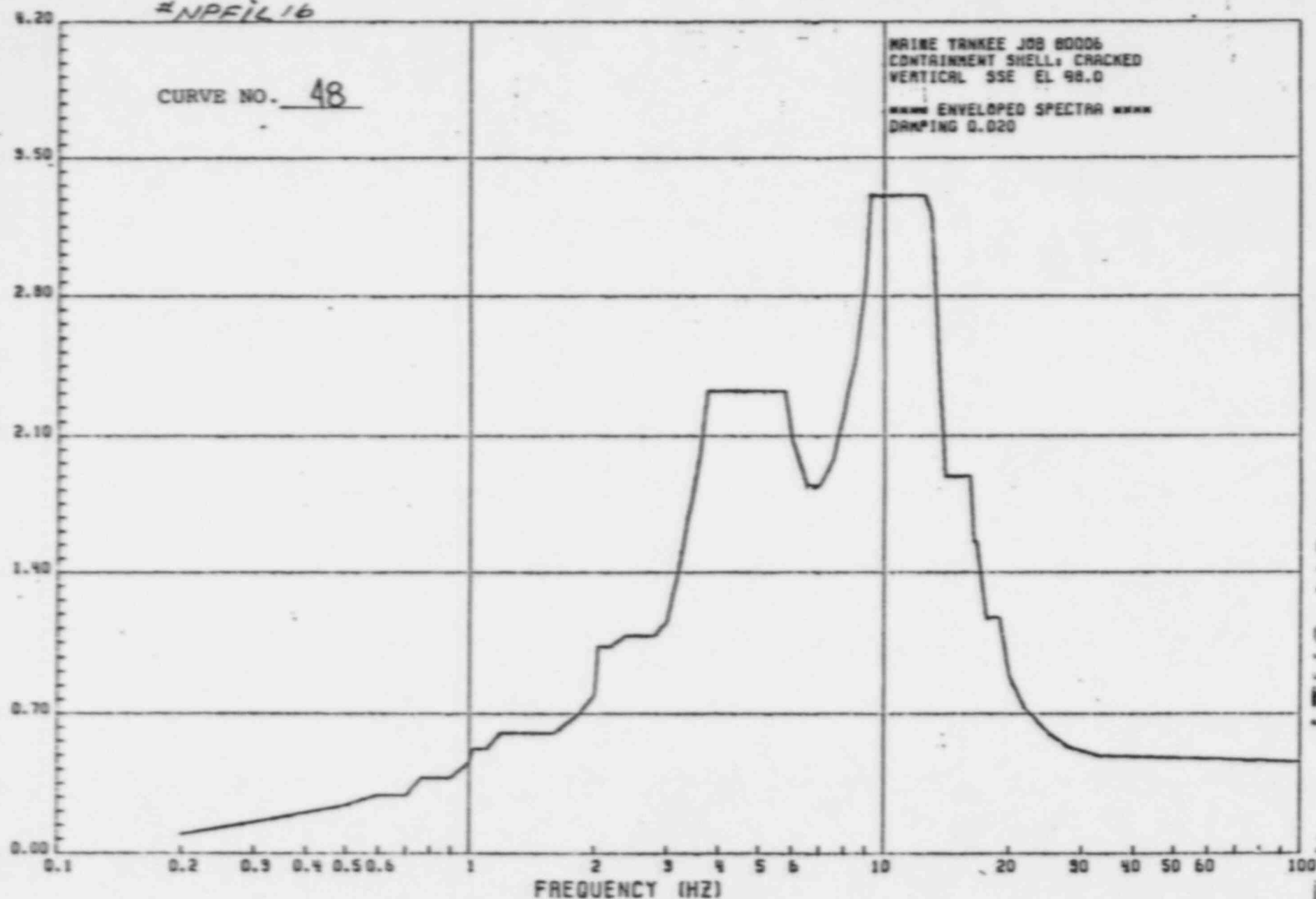
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CURVE NO. 48

HAINE TANKER JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL SSE EL 98.0

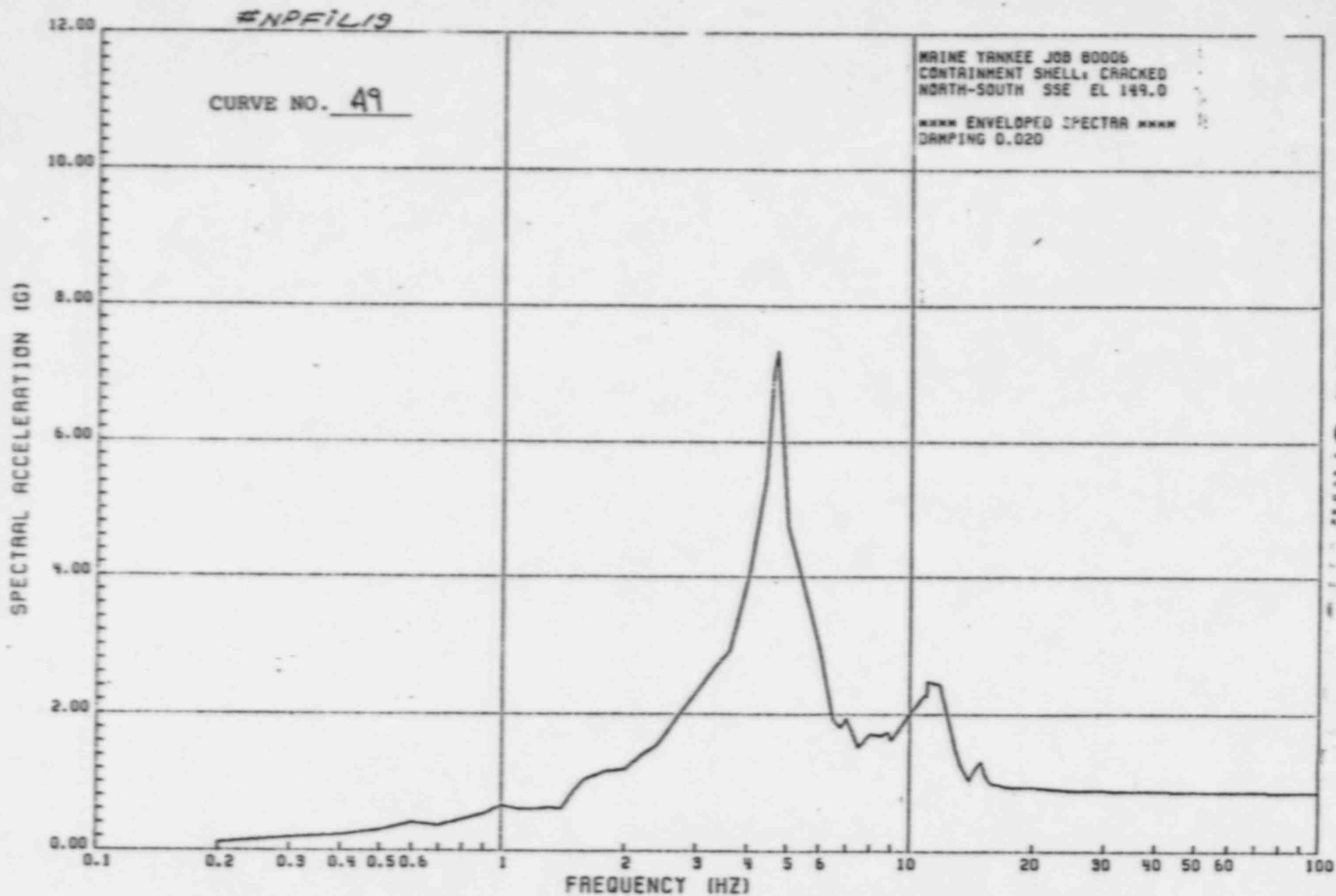
*** ENVELOPED SPECTRA ***
DAMPING 0.020

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

ES



FOR INFORMATION

EARTHQUAKE ENGINEERING SYSTEMS

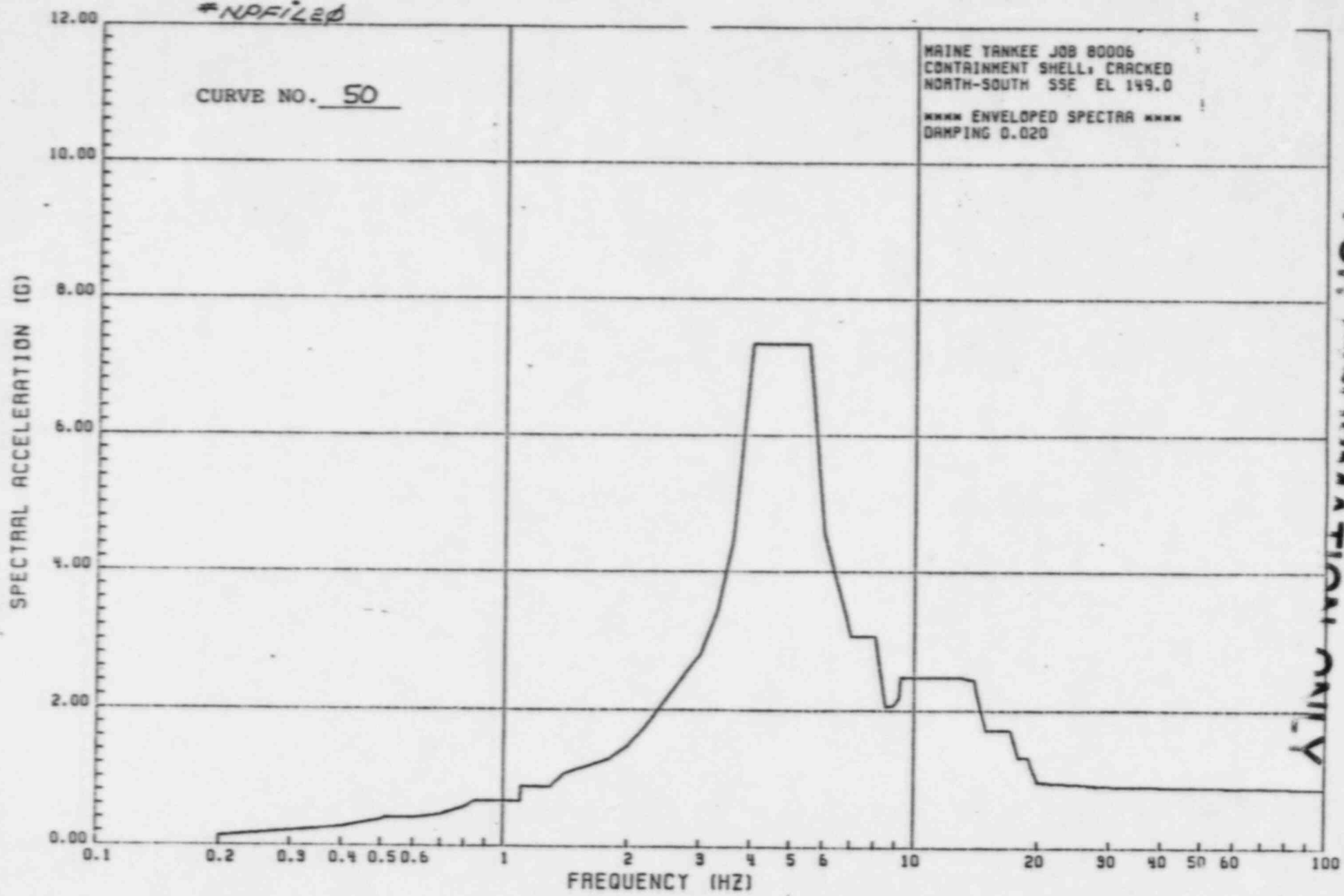
ES

*ND FILED

CURVE NO. 50

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH SSE EL 149.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020



FOR INFORMATION ONLY

EES

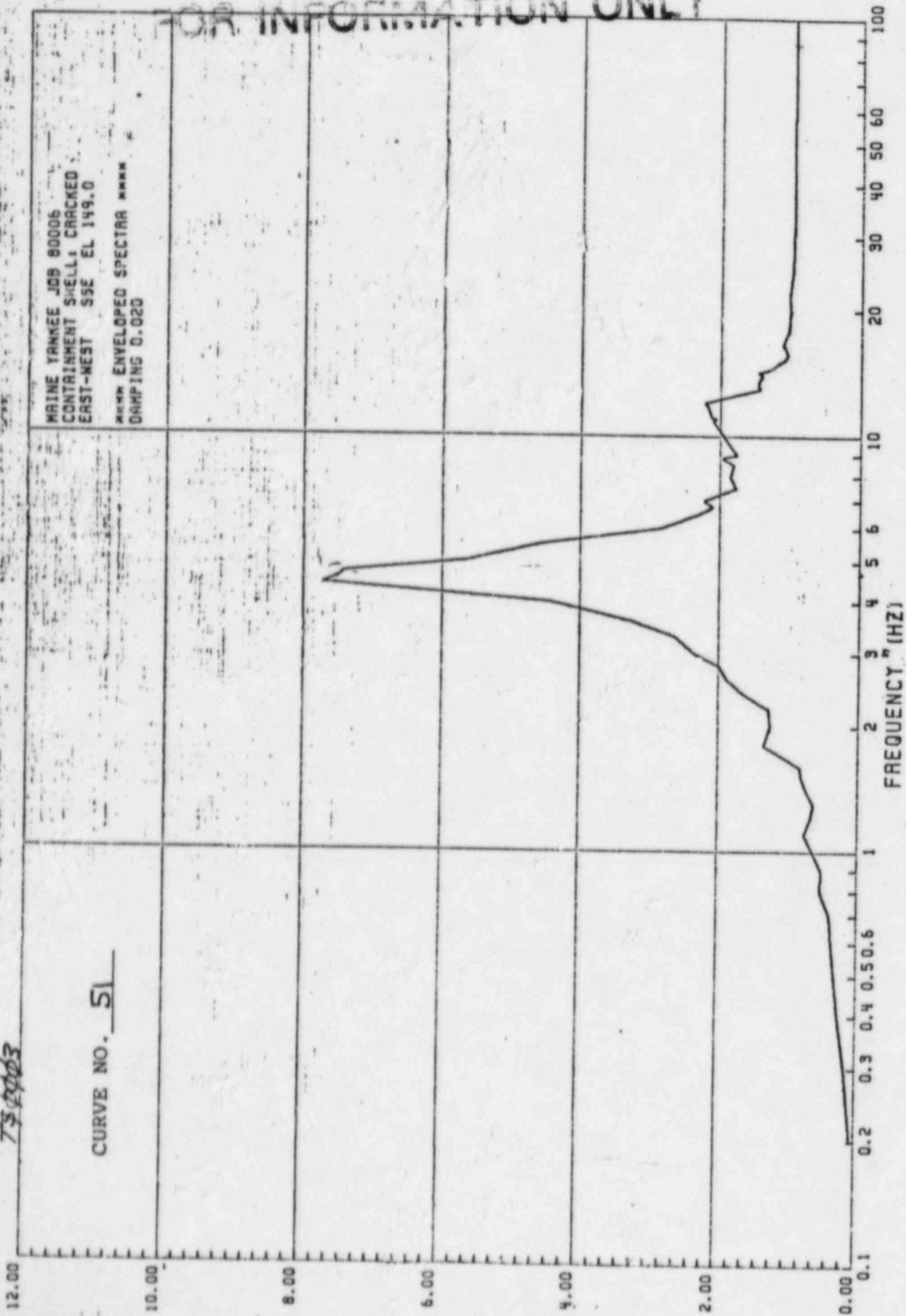
780003

CURVE NO. 51

MAINE YANKEE JOB 80006
CONTAINMENT SHELL: CRACKED
EAST-WEST SSE EL 149.0
SEISM ENVELOPED SPECTRA MAX
DAMPING 0.020

FOR INFORMATION ONLY

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

EES

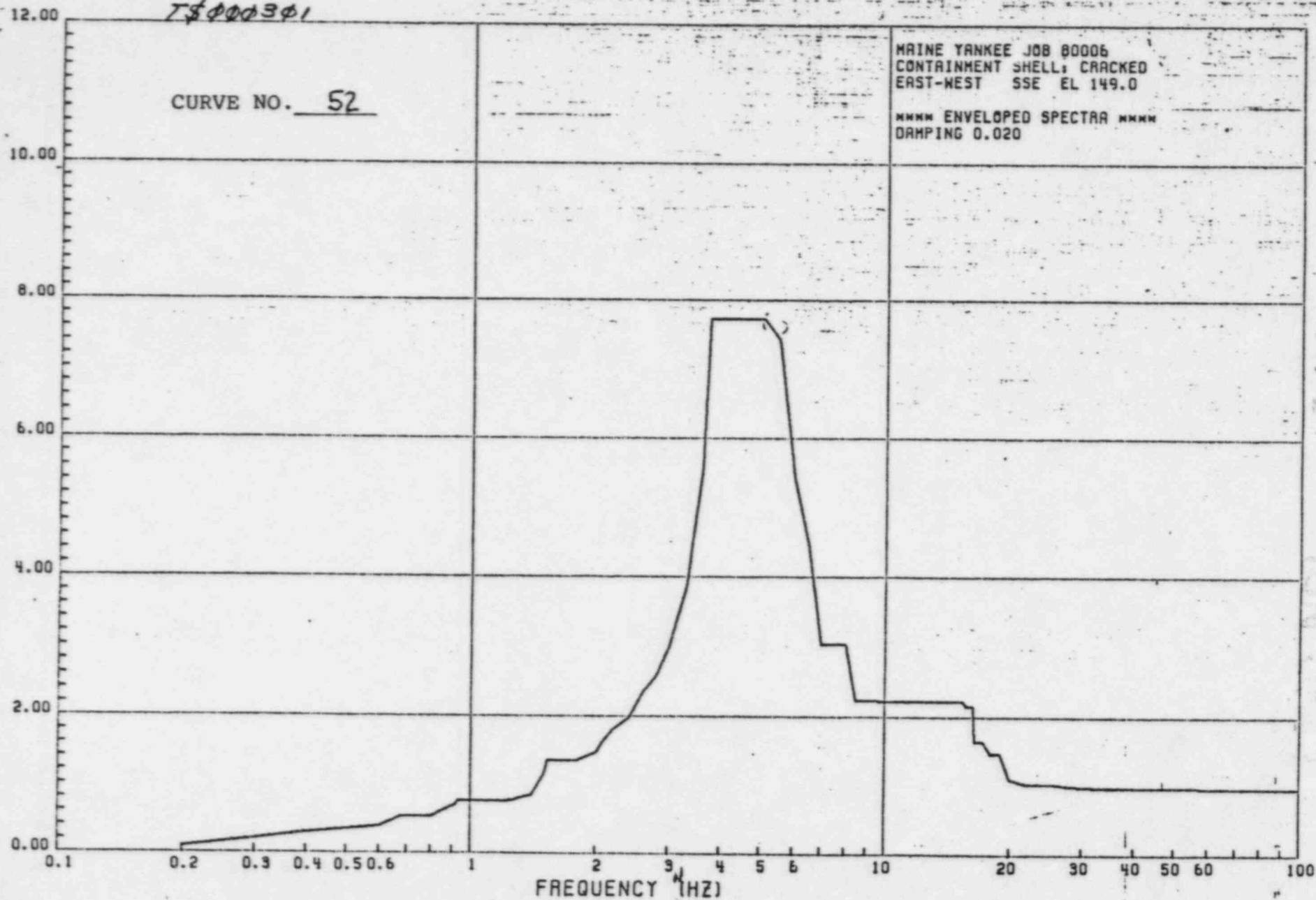
TS000301

CURVE NO. 52

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST SSE EL 149.0

ENVELOPED SPECTRA
DAMPING 0.020

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

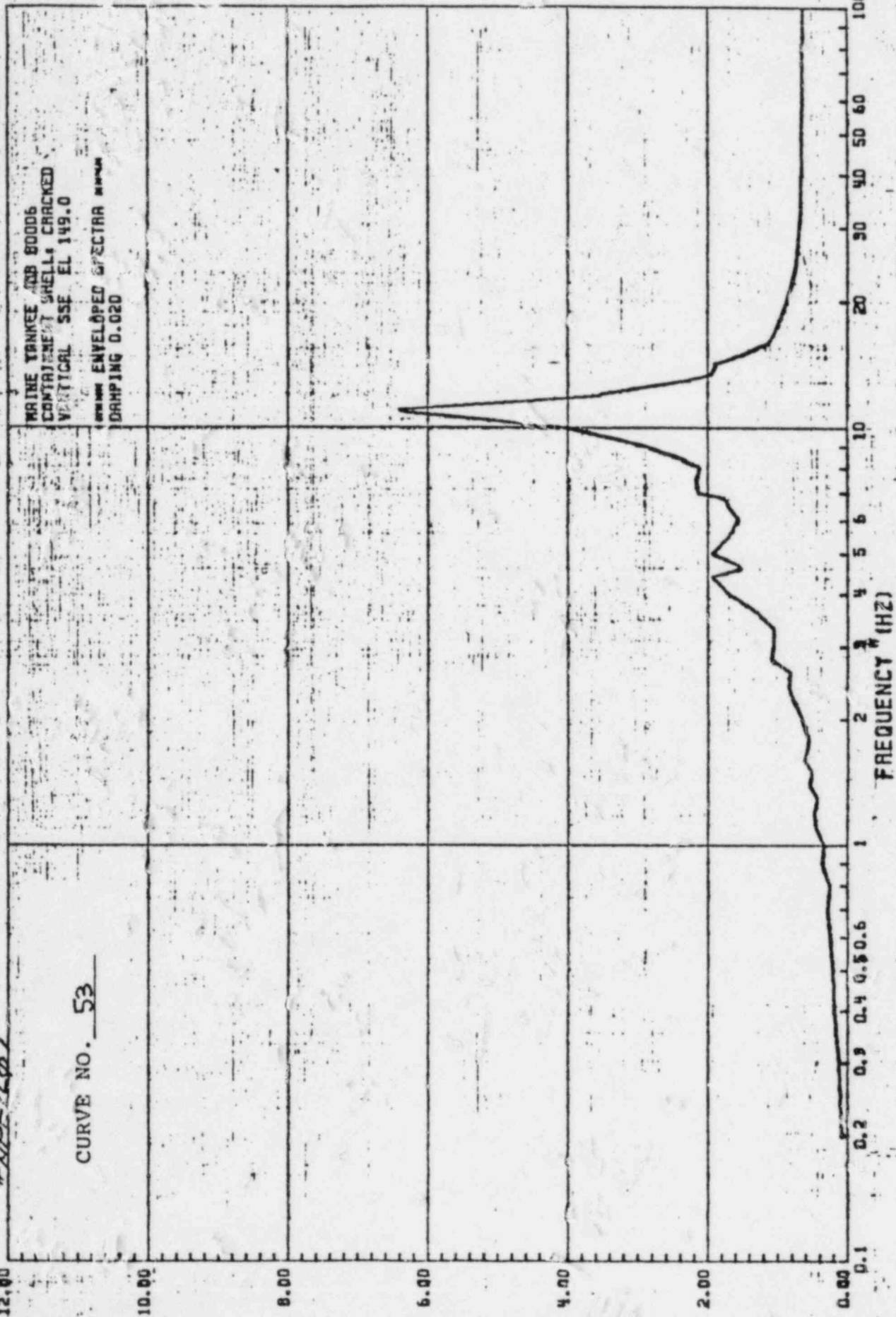
EES

#NDF107

CURVE NO. 53

WATNE TANKER AND 80006
CONTAINMENT SHELL, CRACKED
VERTICAL SSE EL 149.0
ENVELOPED SPECTRA
DAMPING 0.020

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

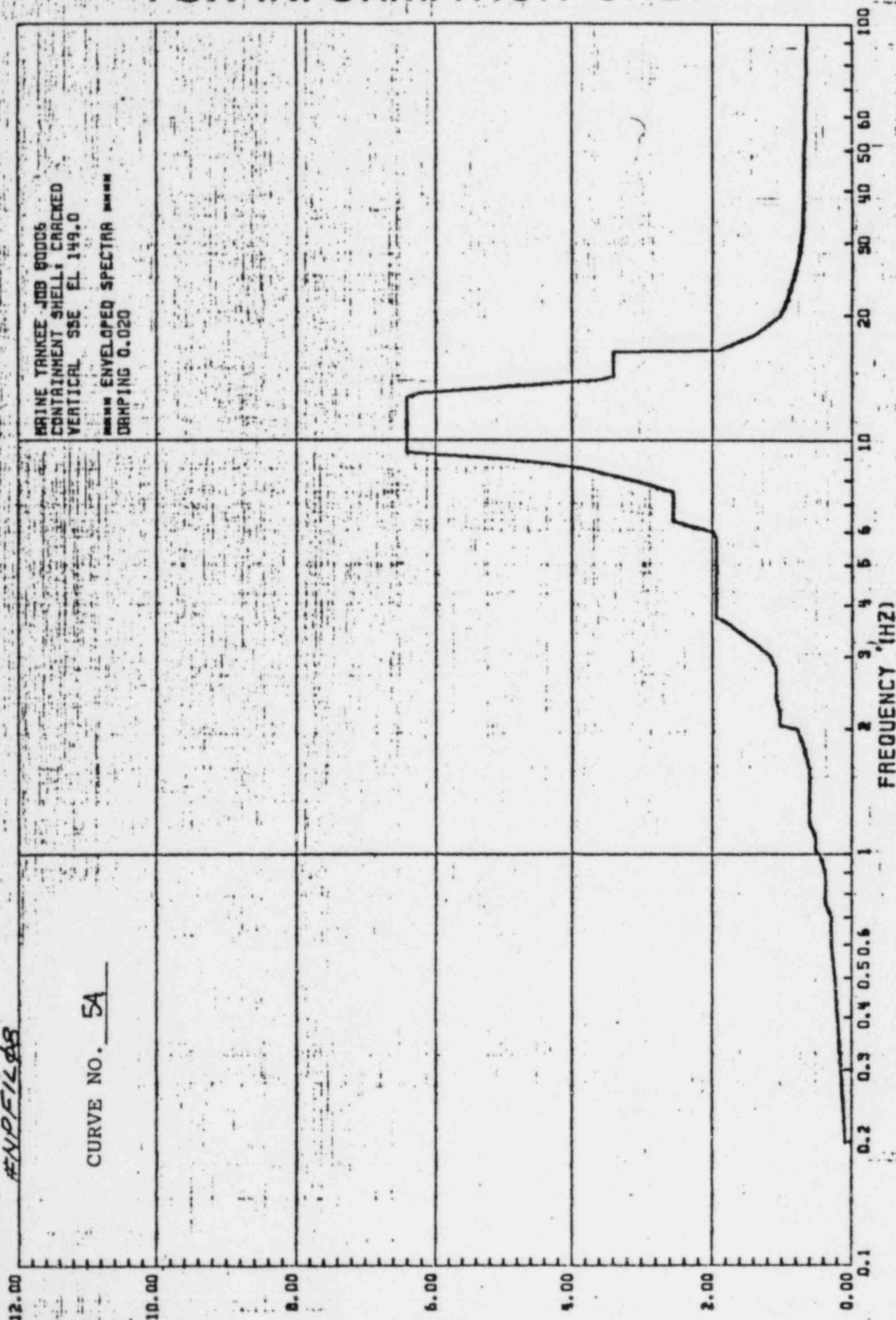
FOR INFORMATION ONLY

EES

#NPFIL48

CURVE NO. 5A

MARINE TANKER JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL SSE EL 149.0
ENVELOPED SPECTRA
DAMPING 0.020



EARTHQUAKE ENGINEERING SYSTEMS

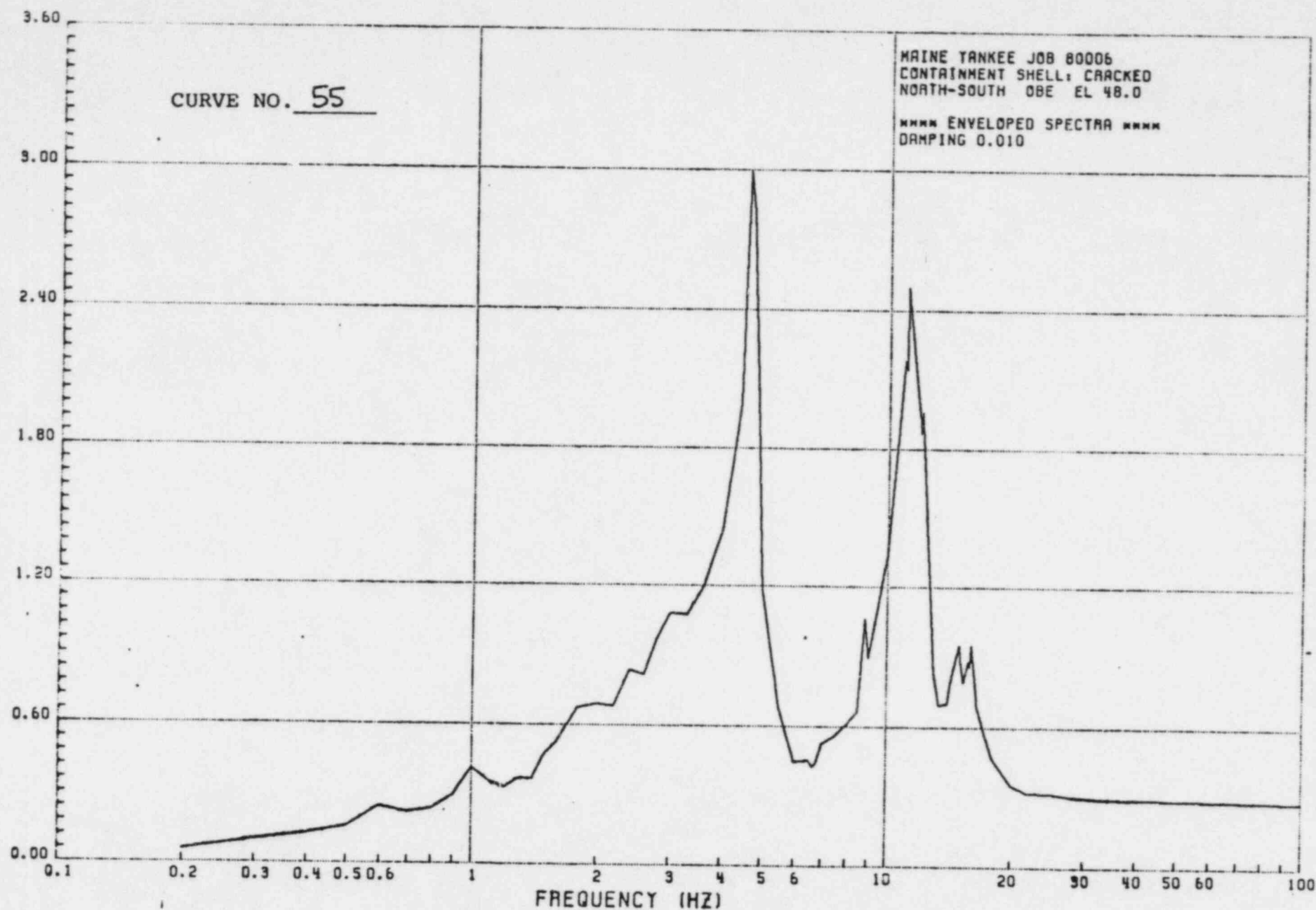
EES NPF 1 L01

CURVE NO. 55

MAINE TANKEE JOB 80006
CONTAINMENT SHELL: CRACKED
NORTH-SOUTH OBE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.010

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

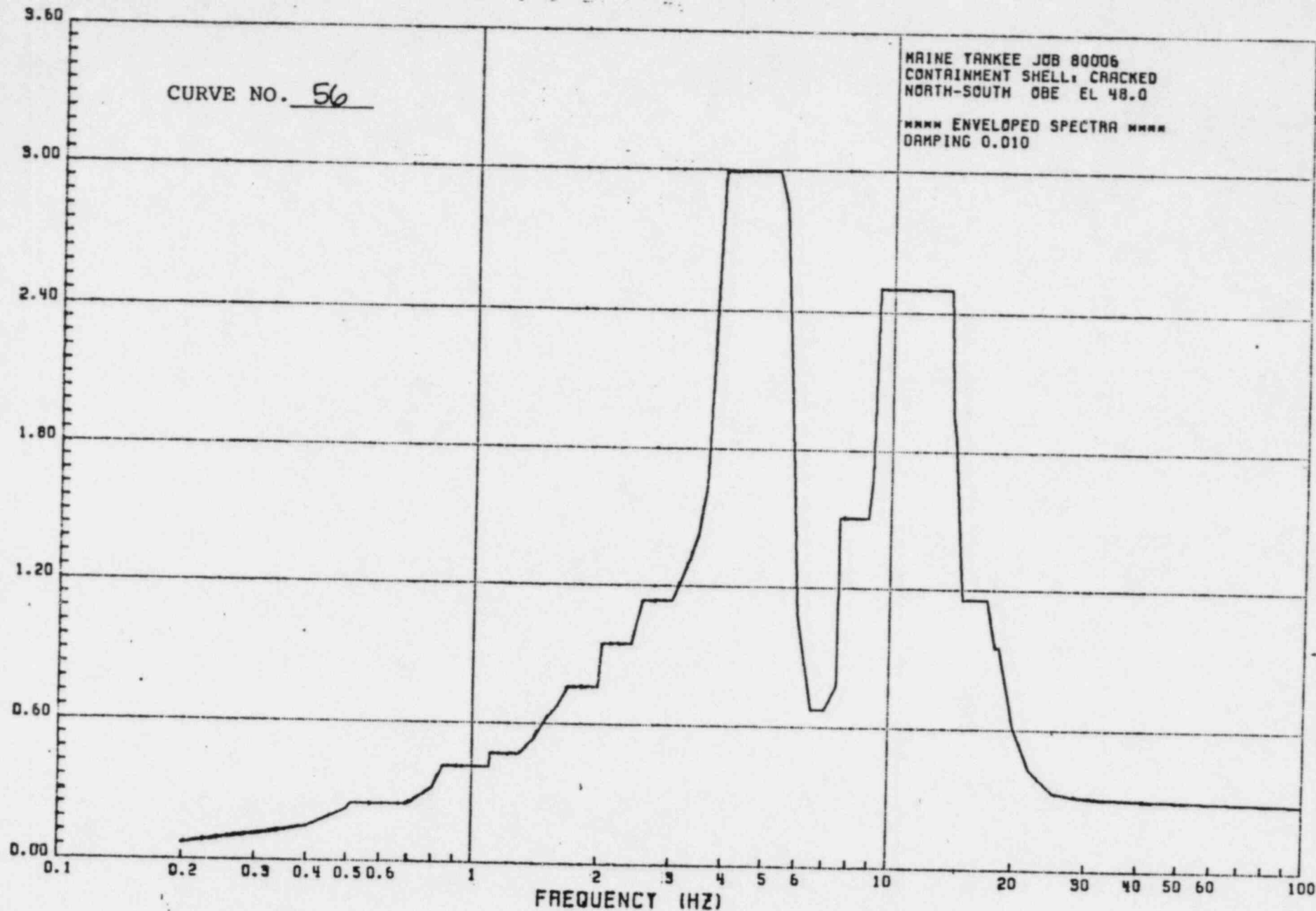
EES NPF 1 L02

CURVE NO. 56

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH OBE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.010

FOR INFORMATION ONLY

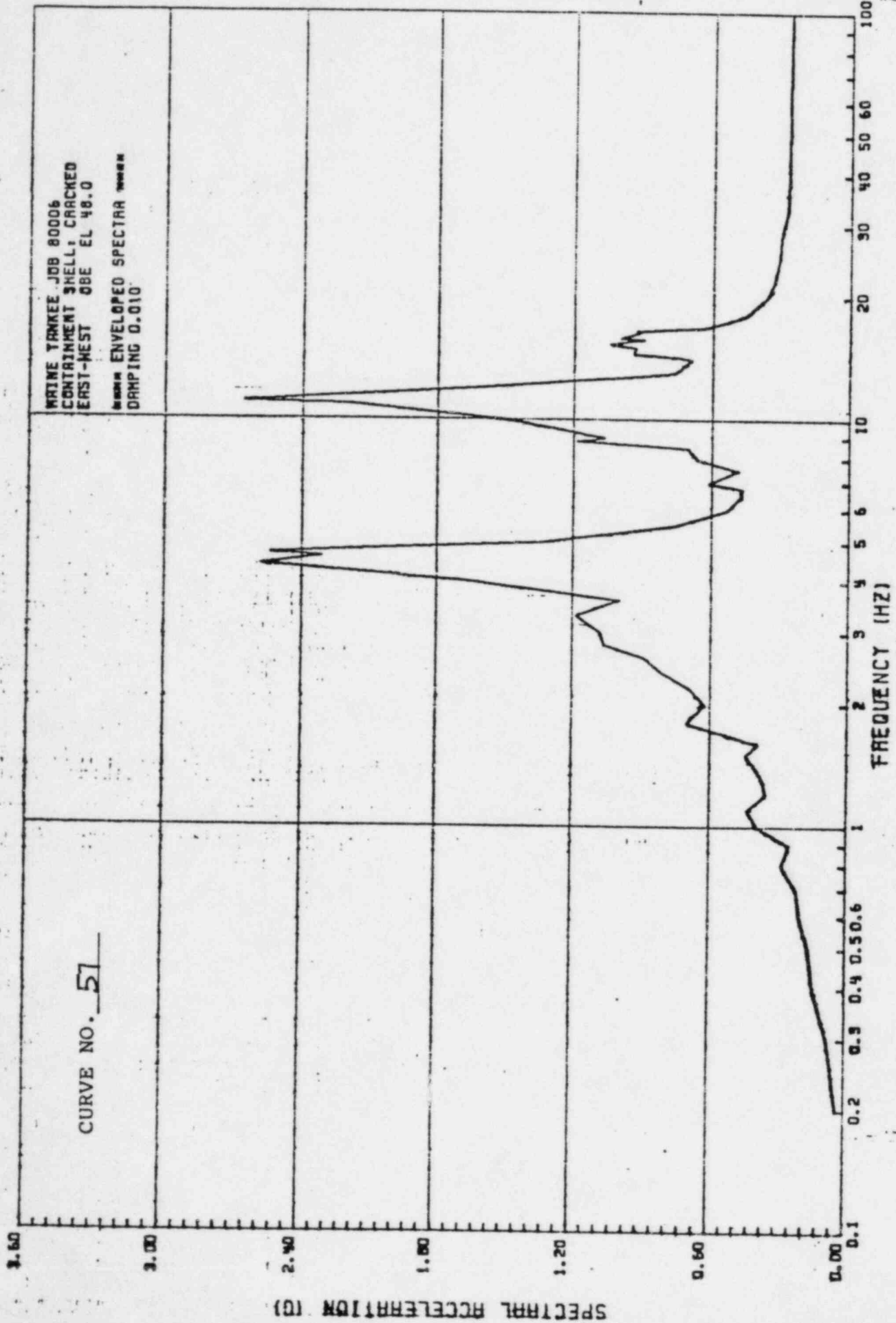


EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

ELS NPF1109

CURVE NO. 51



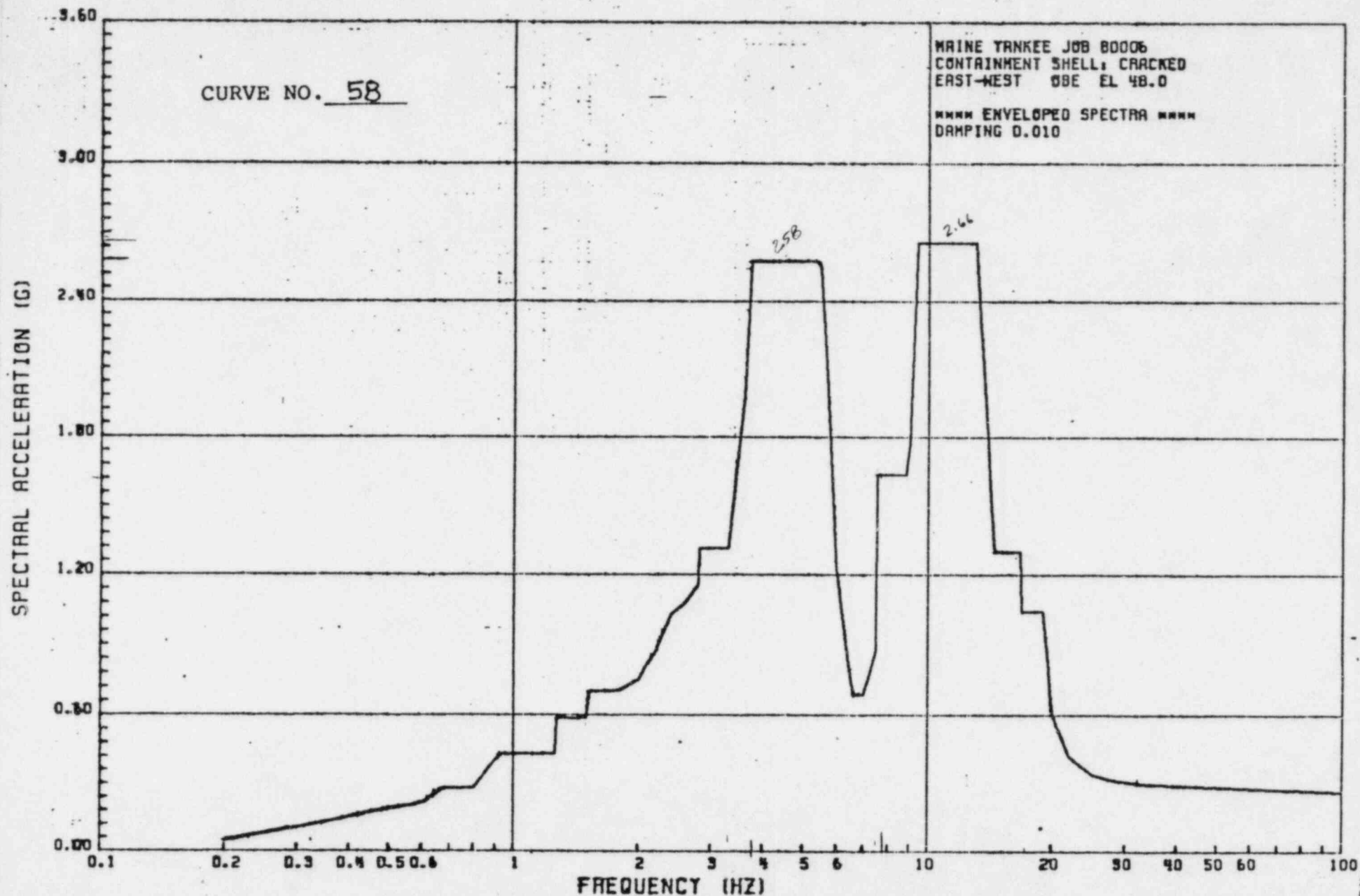
EARTHQUAKE ENGINEERING SYSTEMS

EES NPF 1 L10

CURVE NO. 58

MAINE TANKER JOB 80006
CONTAINMENT SHELL: CRACKED
EAST-WEST OBE EL 48.0

*** ENVELOPED SPECTRA ***
DAMPING 0.010



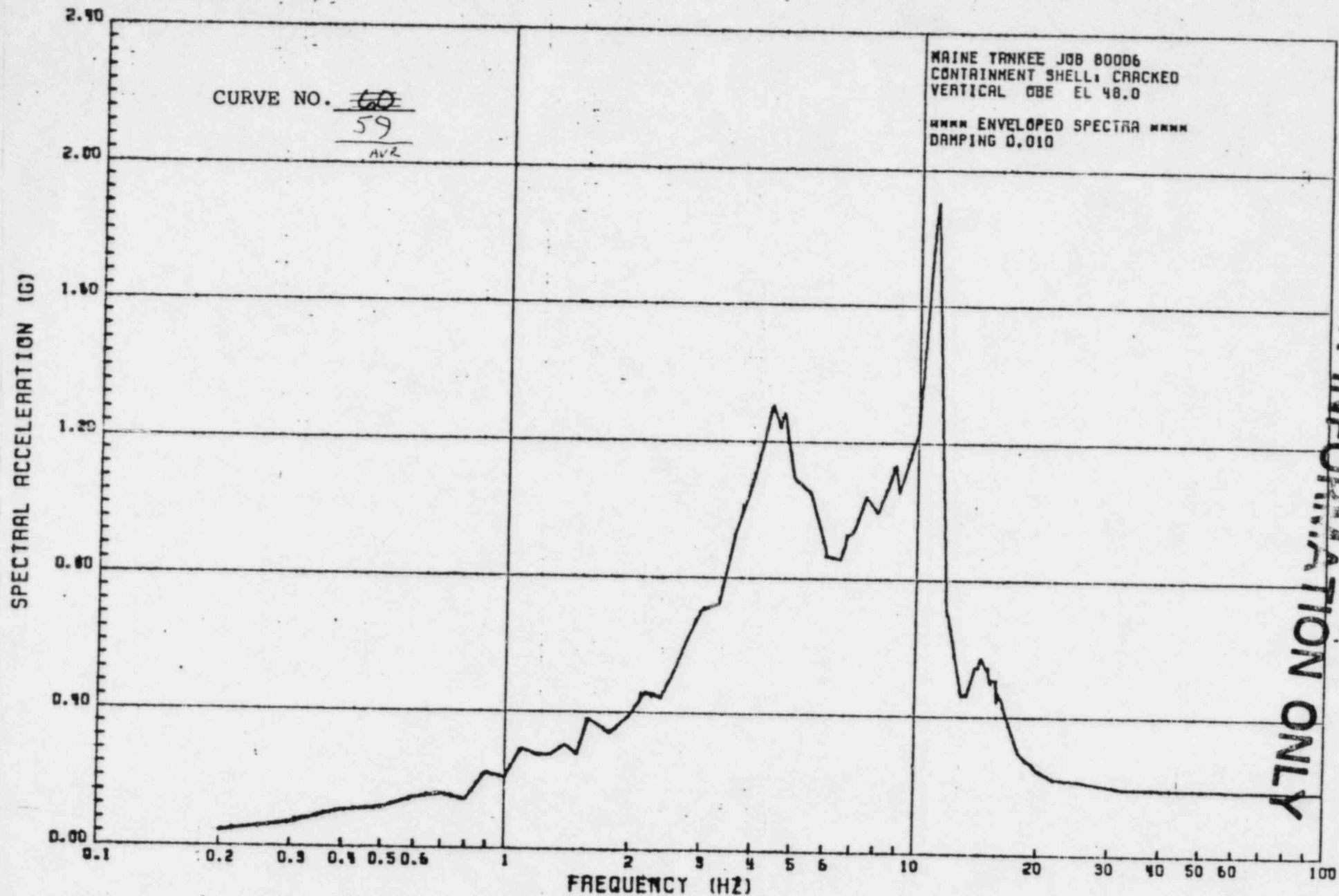
EARTHQUAKE ENGINEERING SYSTEMS

EES NPF 1 L05

CURVE NO. ~~60~~
59
AVR

MAINE TANKER JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL OBE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.010



FOR INFORMATION ONLY

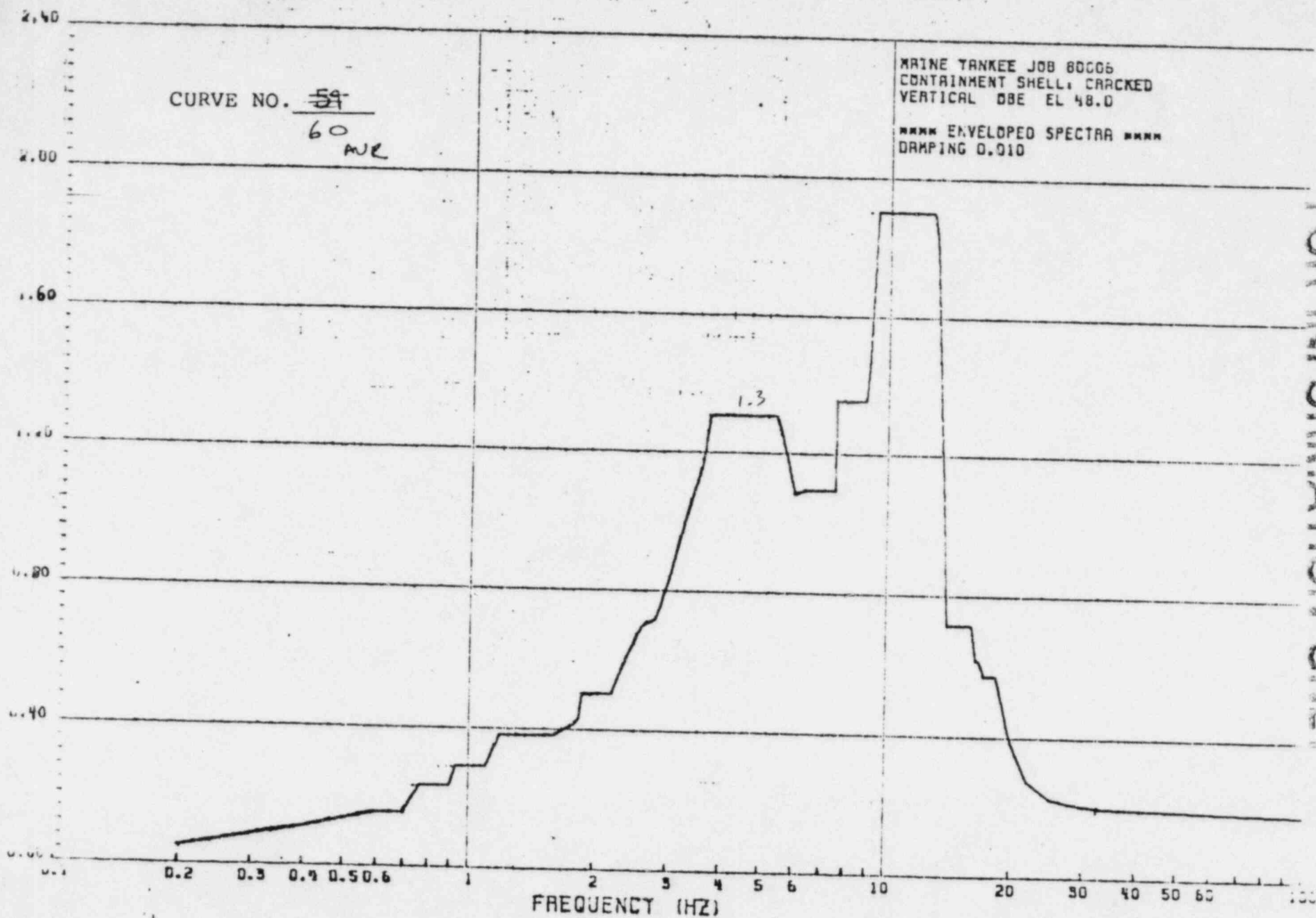
EARTHQUAKE ENGINEERING SYSTEMS

EES NPF 1106

CURVE NO. 59
60
AVE

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL DBE EL 48.0

*** ENVELOPED SPECTRA ***
DAMPING 0.010



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

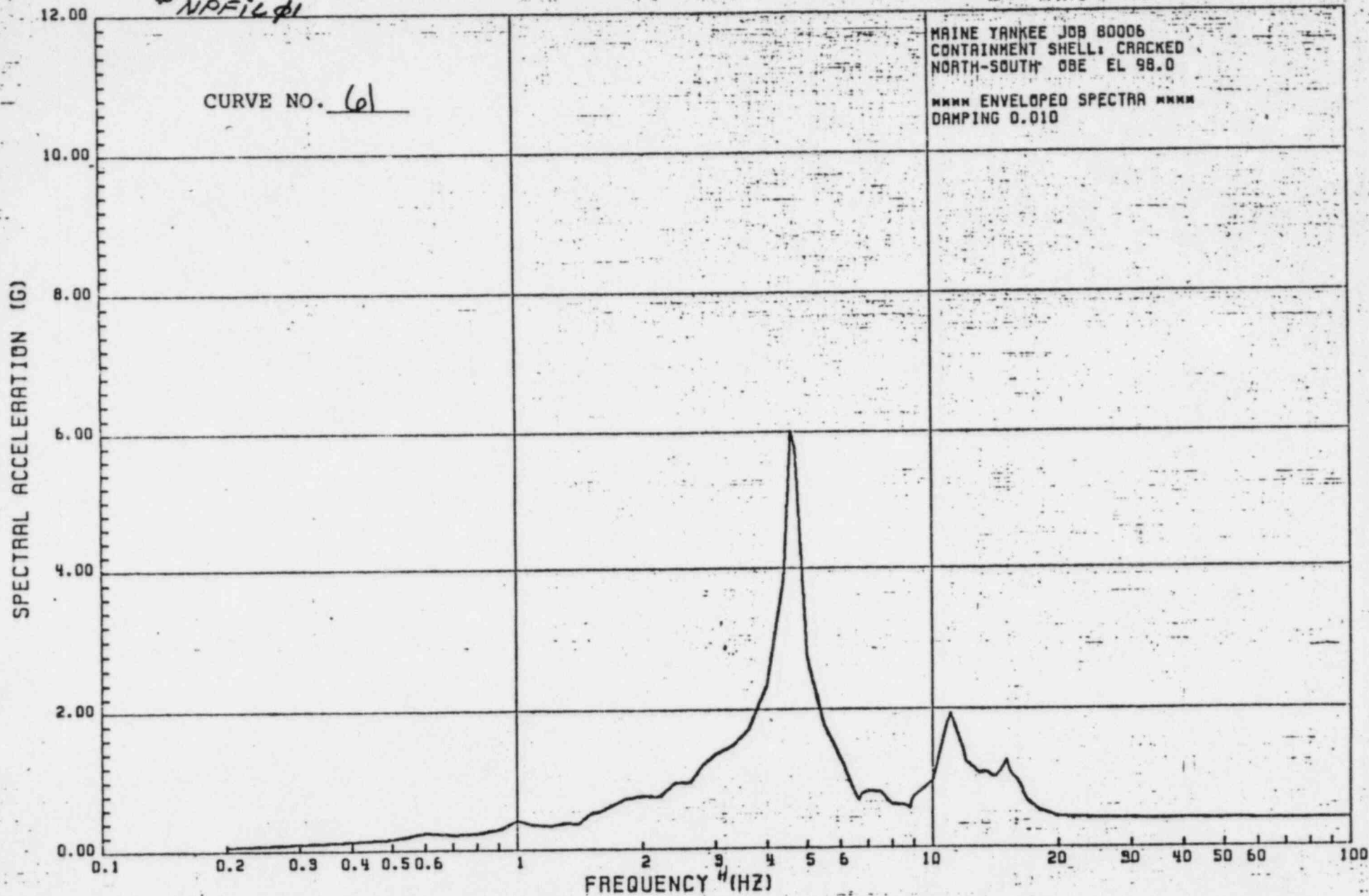
EES

#NPFIL 01

CURVE NO. 61

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH OBE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.010



EARTHQUAKE ENGINEERING SYSTEMS

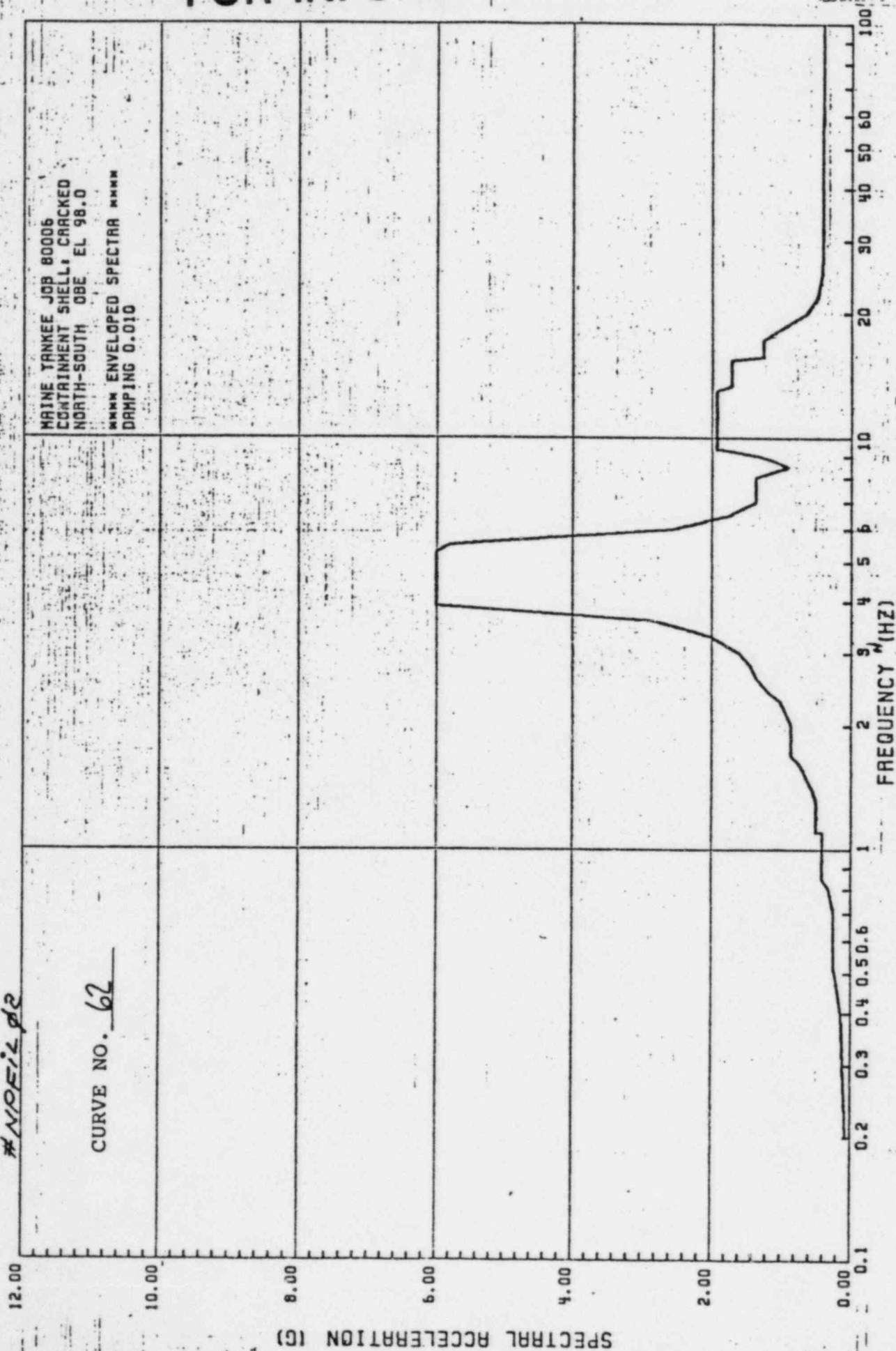
EES

#NOFIL 012

CURVE NO. 62

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH OBE EL 98.0
***** ENVELOPED SPECTRA *****
DAMPING 0.010

FOR INFORMATION ONLY



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

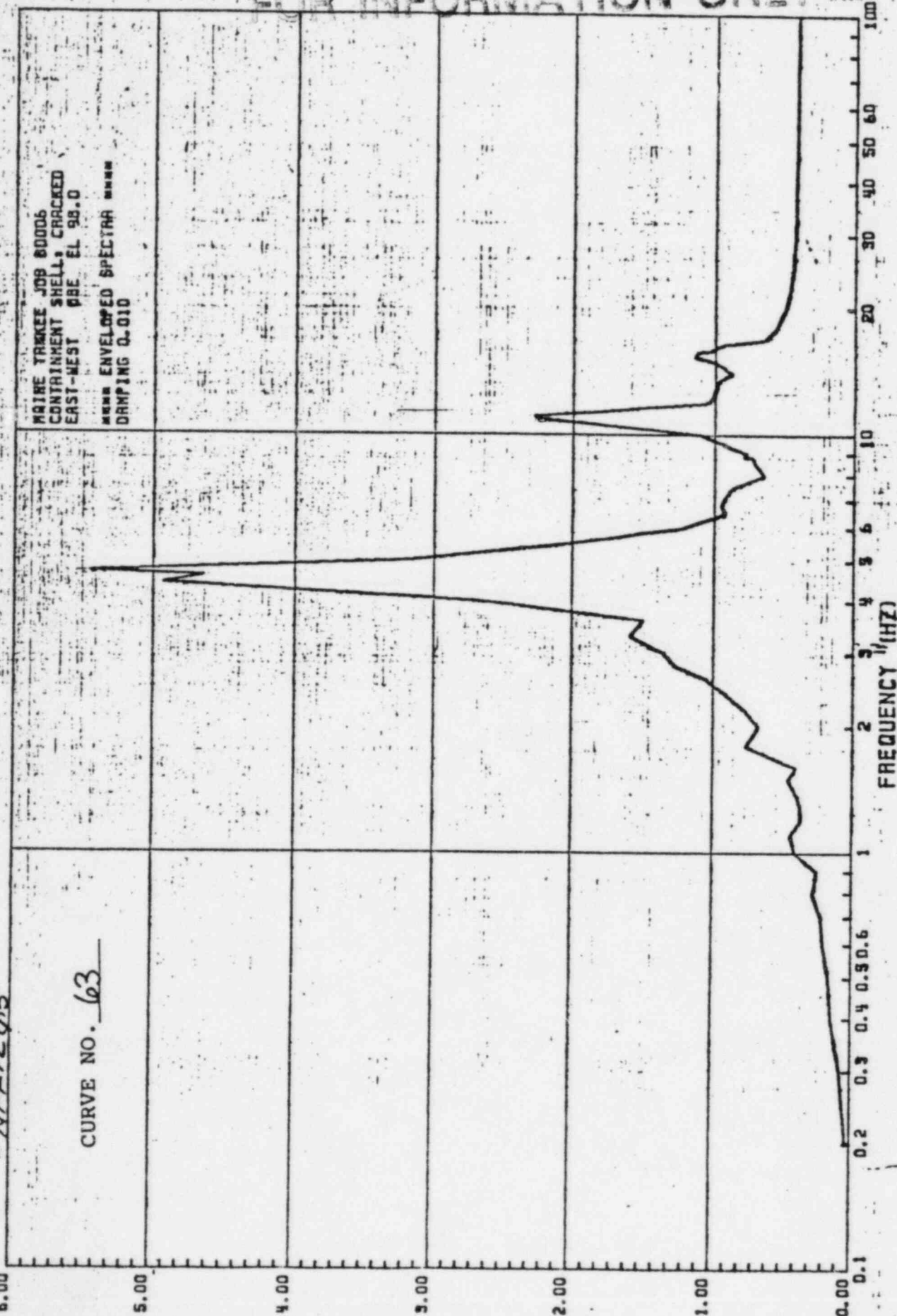
EES

#NPE145

CURVE NO. 63

MAINE TANKER JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST PBE EL 98.0
SEISM ENVELOPED SPECTRA
DAMPING 0.010

SPECTRAL ACCELERATION (G)



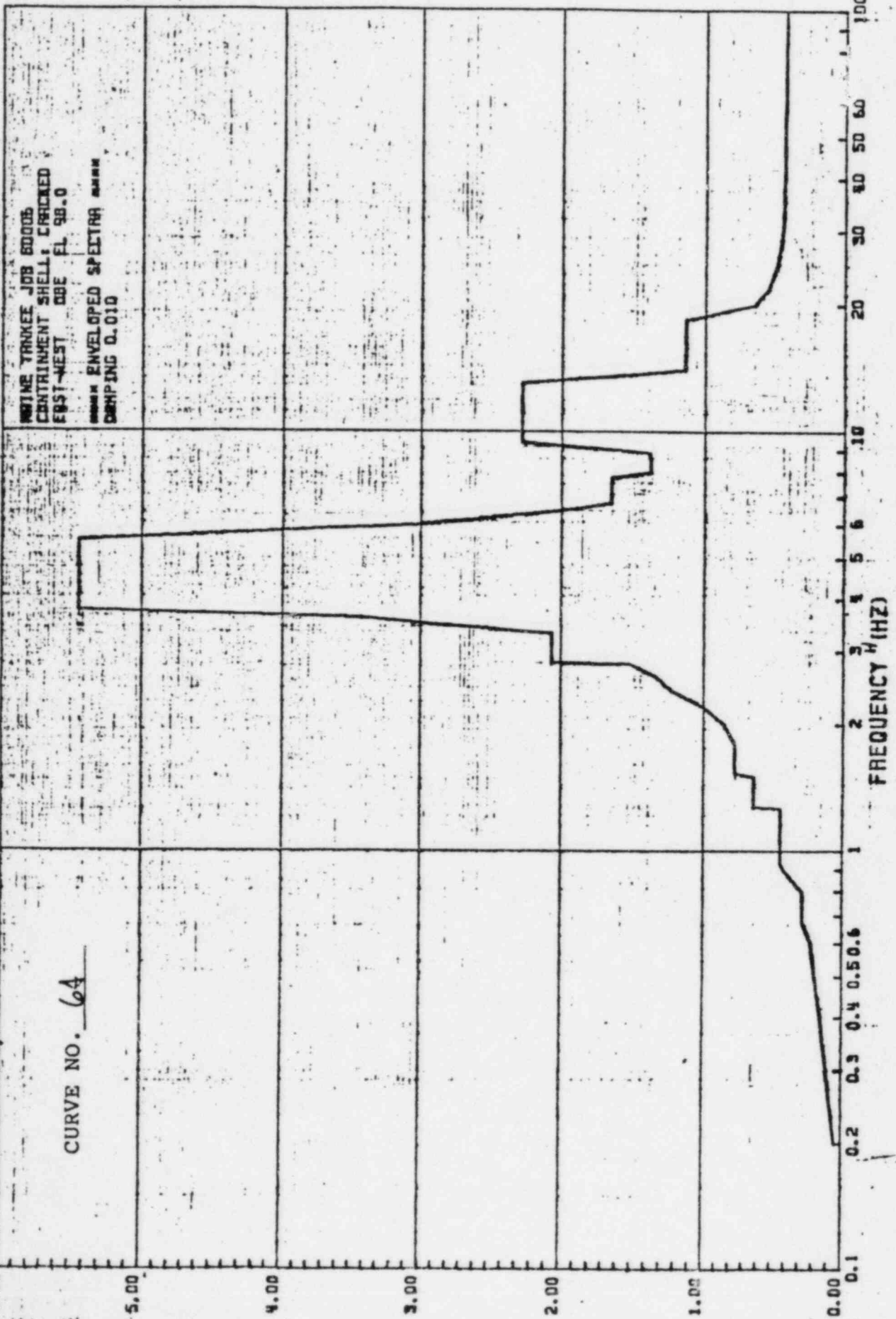
EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES

#NPFIL 66

CURVE NO. 64



EARTHQUAKE ENGINEERING SYSTEMS

EES

#NPFIL17

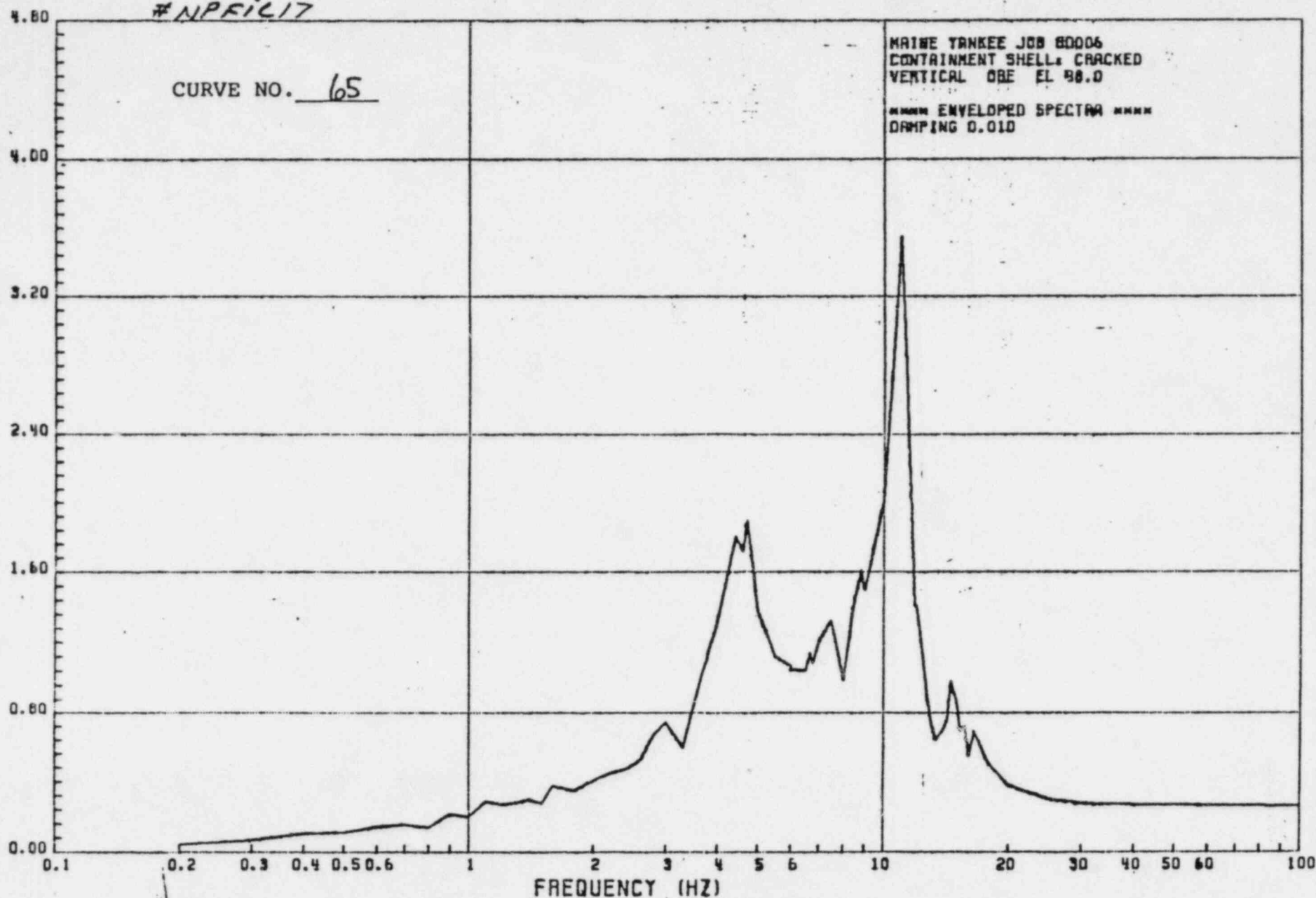
CURVE NO. 65

MAINE TANKEE JOB 80006
CONTAINMENT SHELL CRACKED
VERTICAL OBE EL 98.0

***** ENVELOPED SPECTRA *****
DAMPING 0.010

FOR INFORMATION ONLY

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

EES

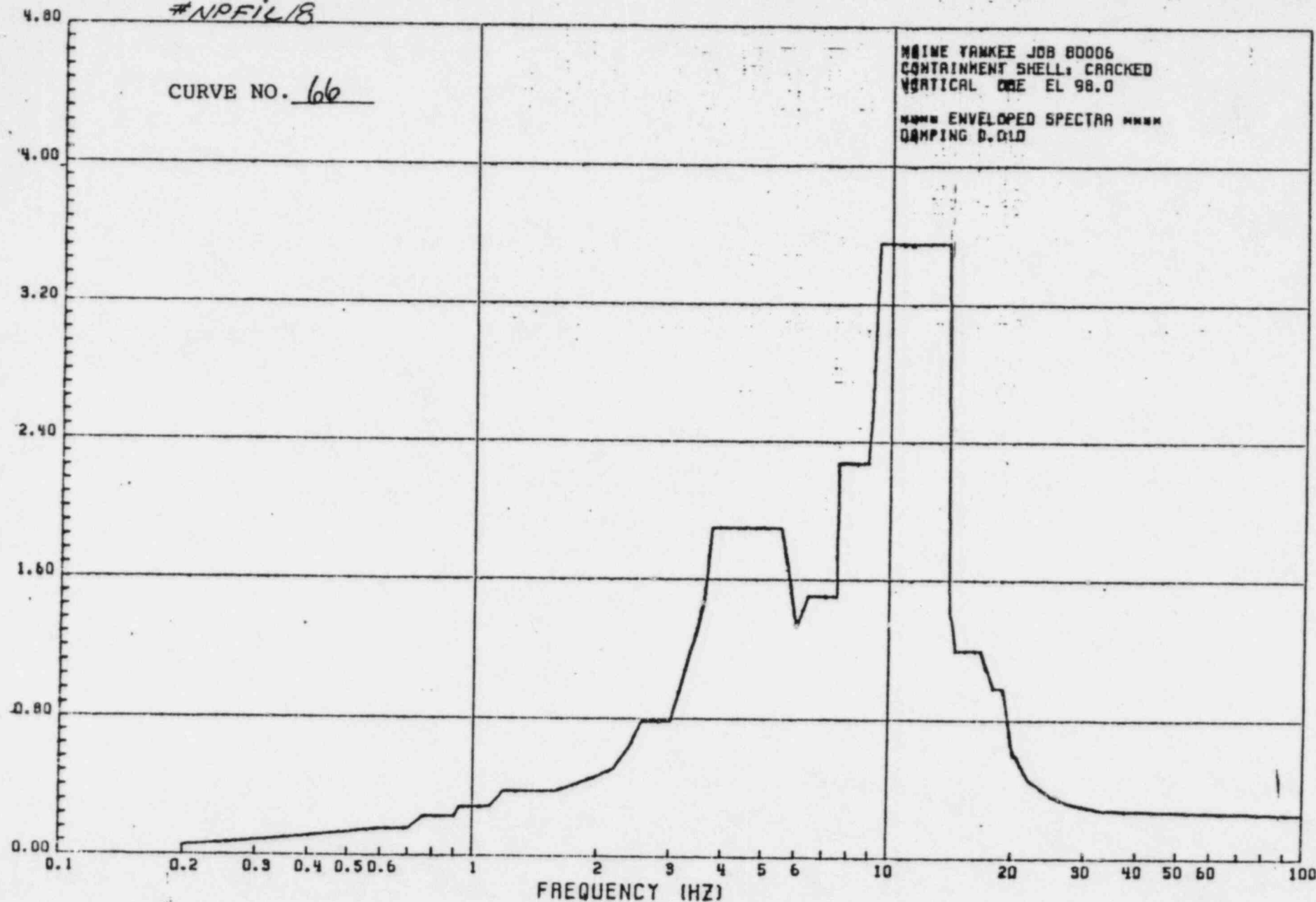
#NPFIL18

CURVE NO. 66

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL ONE EL 98.0

ENVELOPED SPECTRA
DAMPING 0.010

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES

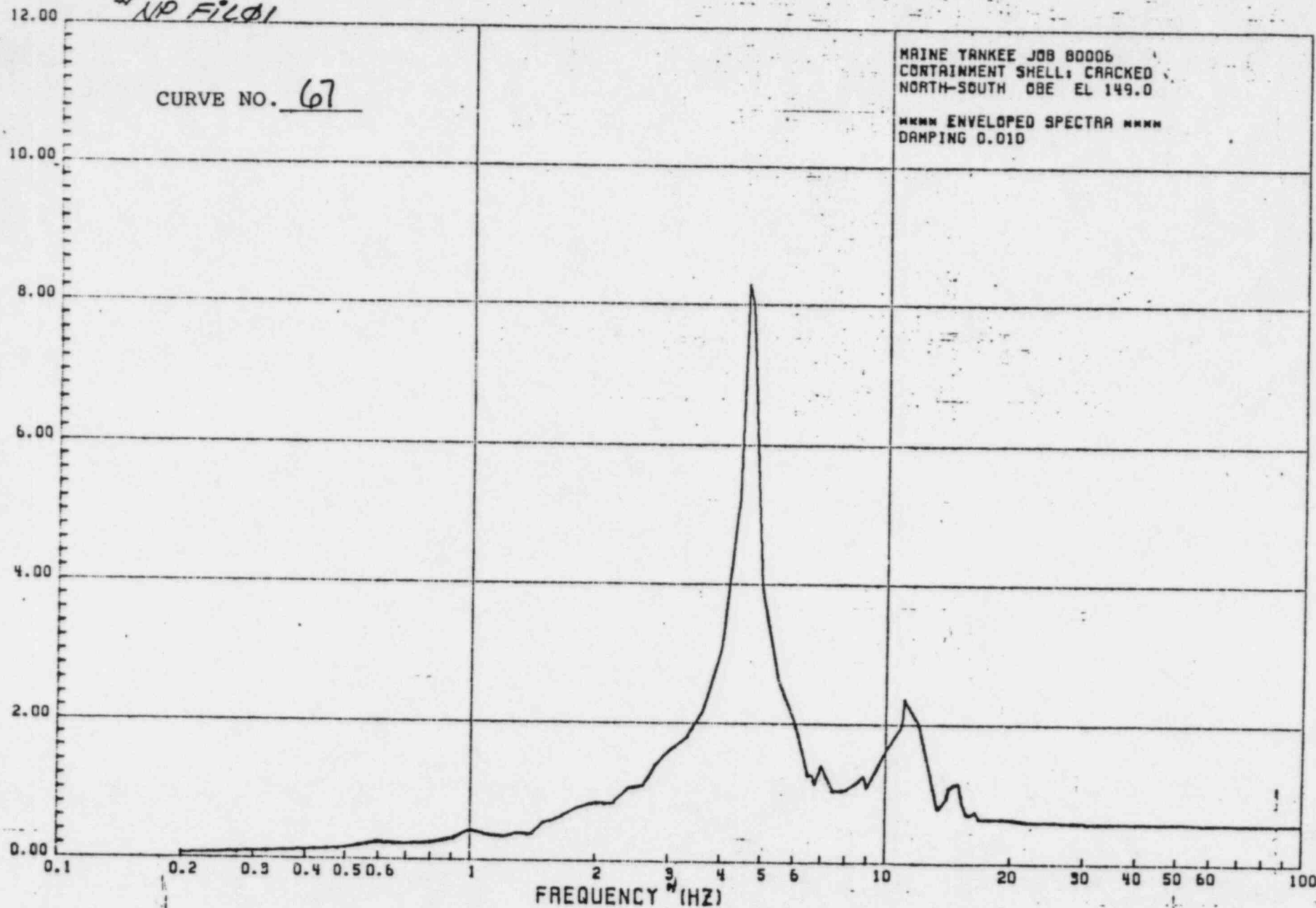
NP FILE 1

CURVE NO. 67

MAINE TANKEE JOB 80006
CONTAINMENT SHELL: CRACKED
NORTH-SOUTH OBE EL 149.0

**** ENVELOPED SPECTRA ****
DAMPING 0.010

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

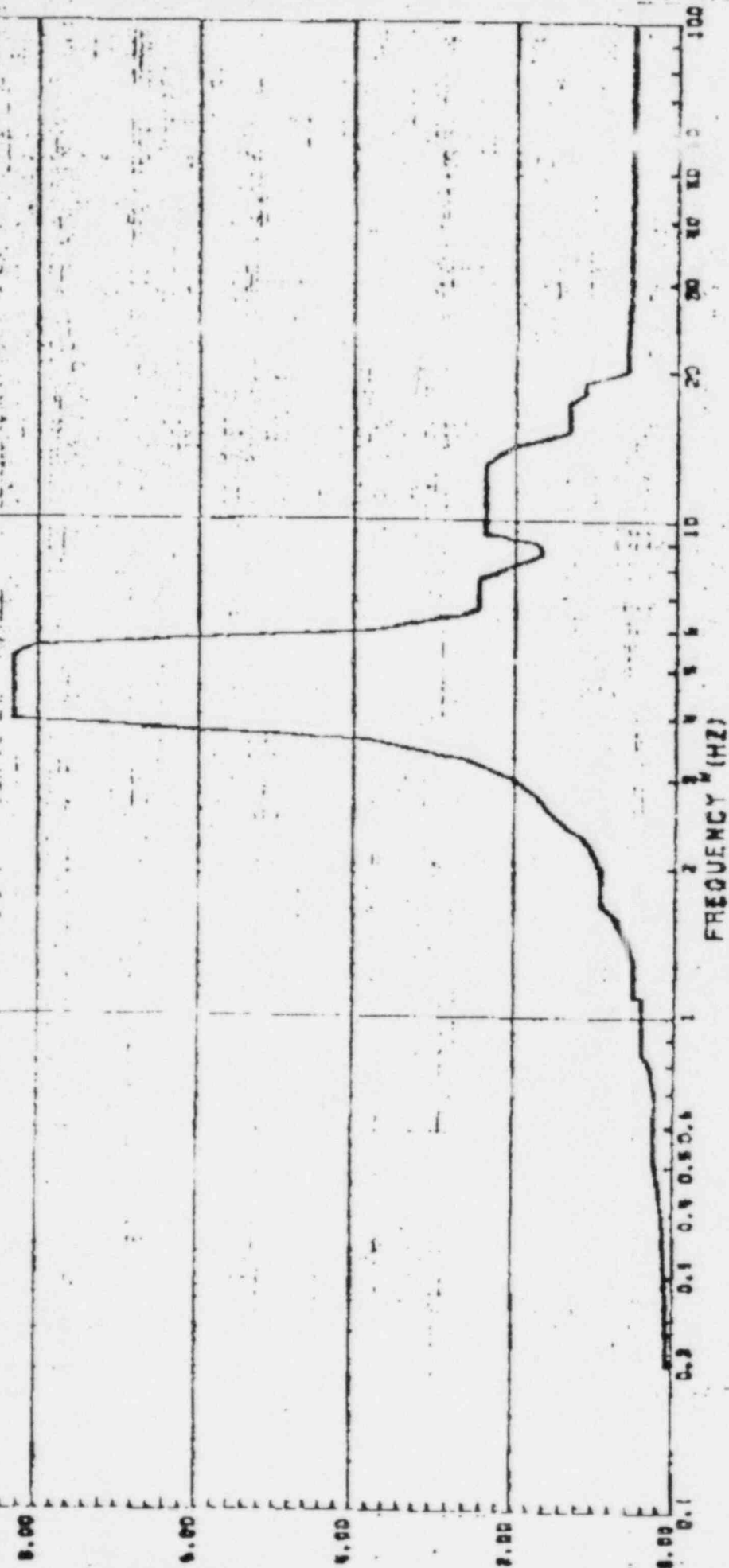
EES

NPE1142

CURVE NO. 68

MAINE TANKER JOB 80006
CONTAINMENT SHELL CRACKED
NORTH-SOUTH 032 EL 199.0
WAVE ENVELOPED SPECTRA WAVE
DURATION 0.010

SPECTRAL DENSITY (G)



CONTINUOUS RECORDING

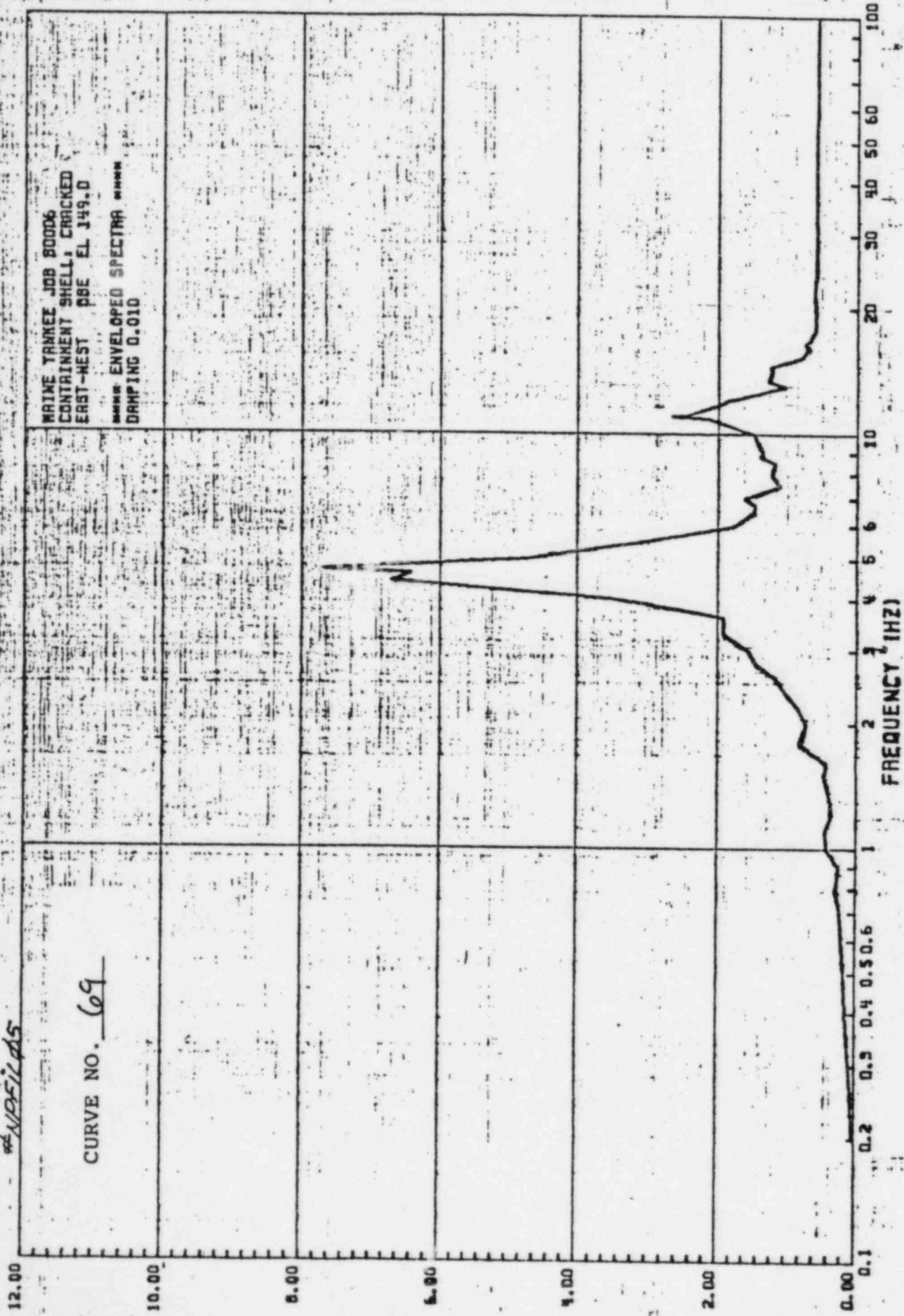
EES

#NDFIL 45

CURVE NO. 69

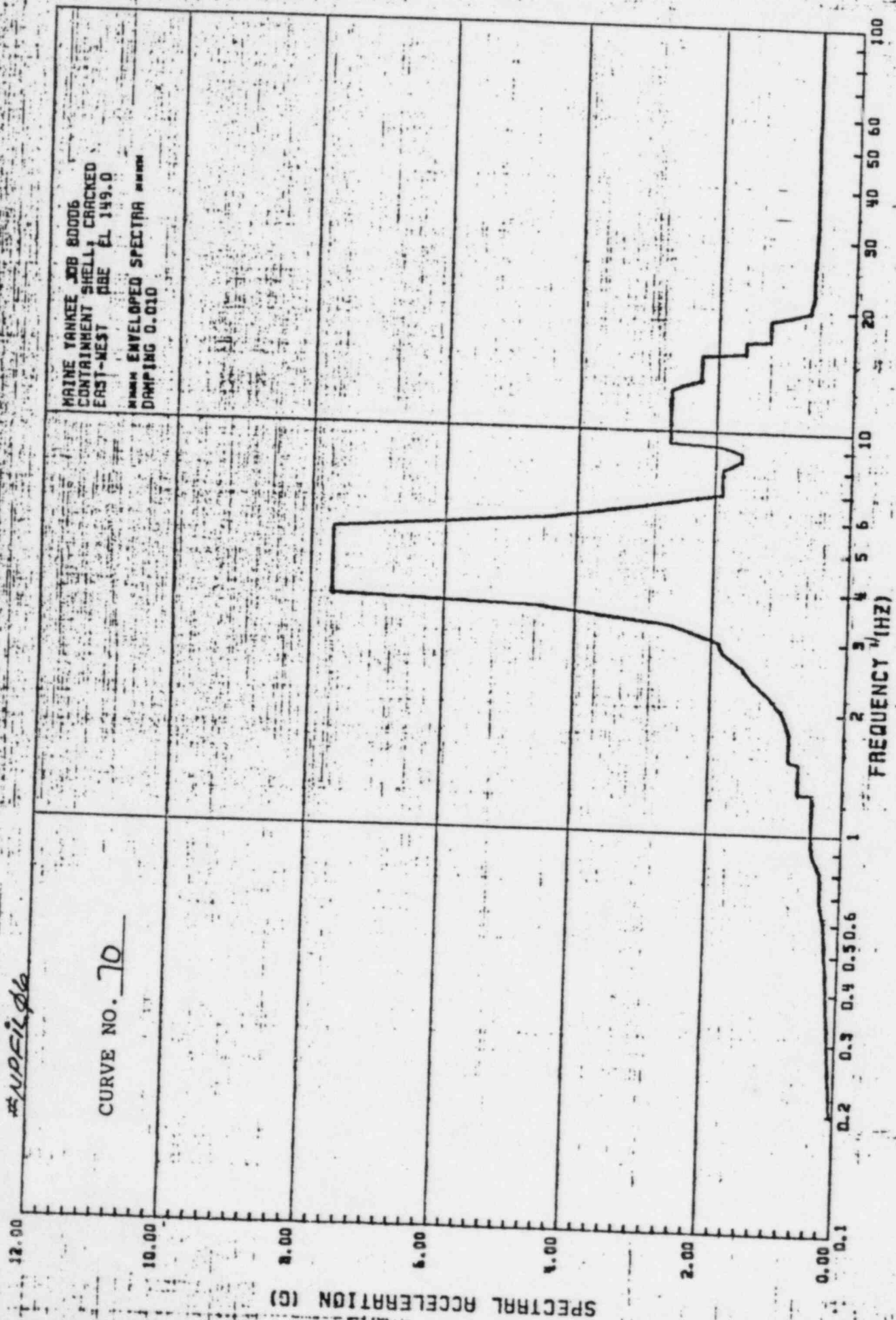
MAINE TANKER JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST 88E EL 149.0
ENVELOPED SPECTRA MINOR
DAMPING 0.010

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES

NPE/L09

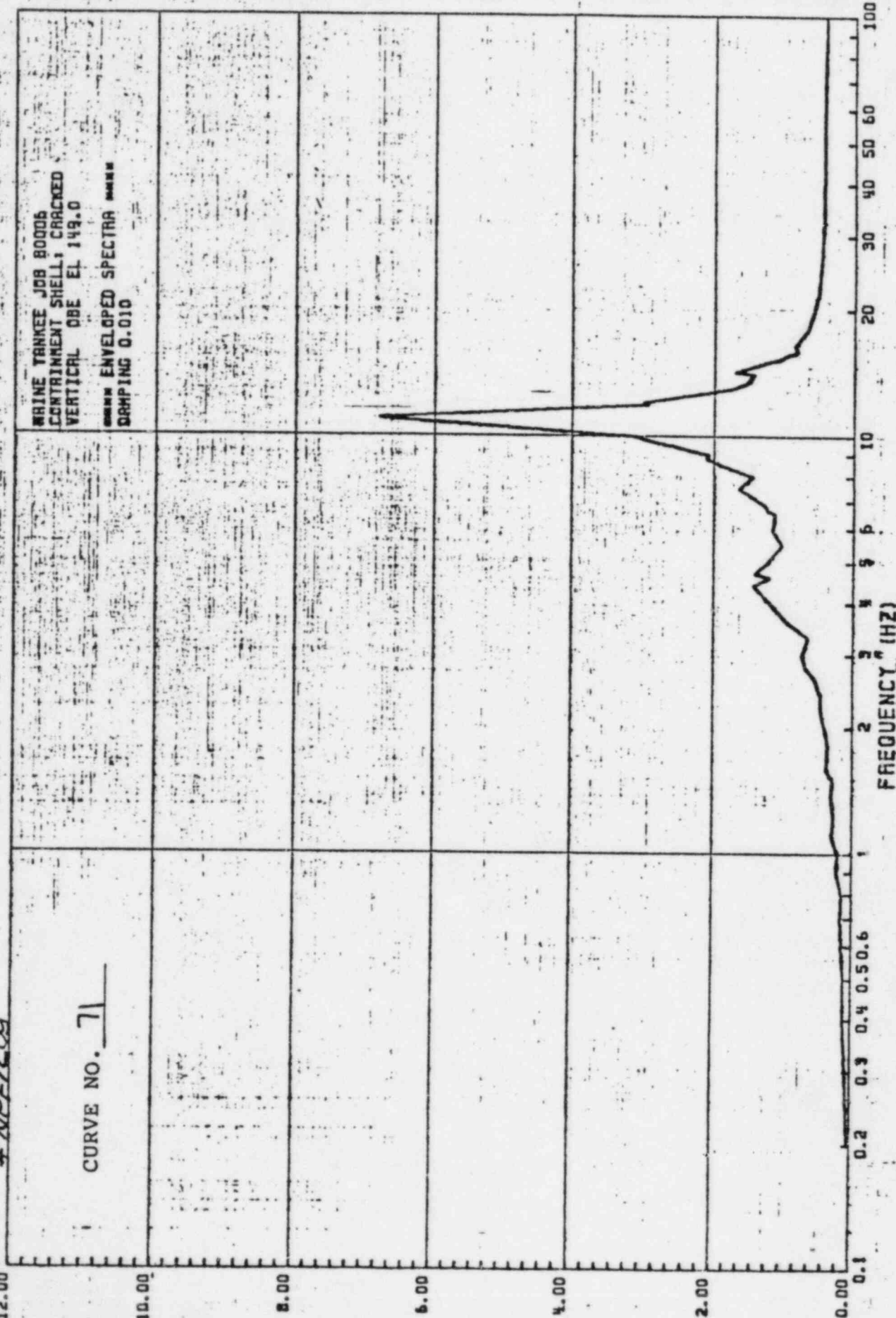
CURVE NO. 71

MAINE TANKER JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL OBE EL 149.0
ENVELOPED SPECTRA
DAMPING 0.010

SPECTRAL ACCELERATION (G)

FREQUENCY (HZ)

EARTHQUAKE ENGINEERING SYSTEMS



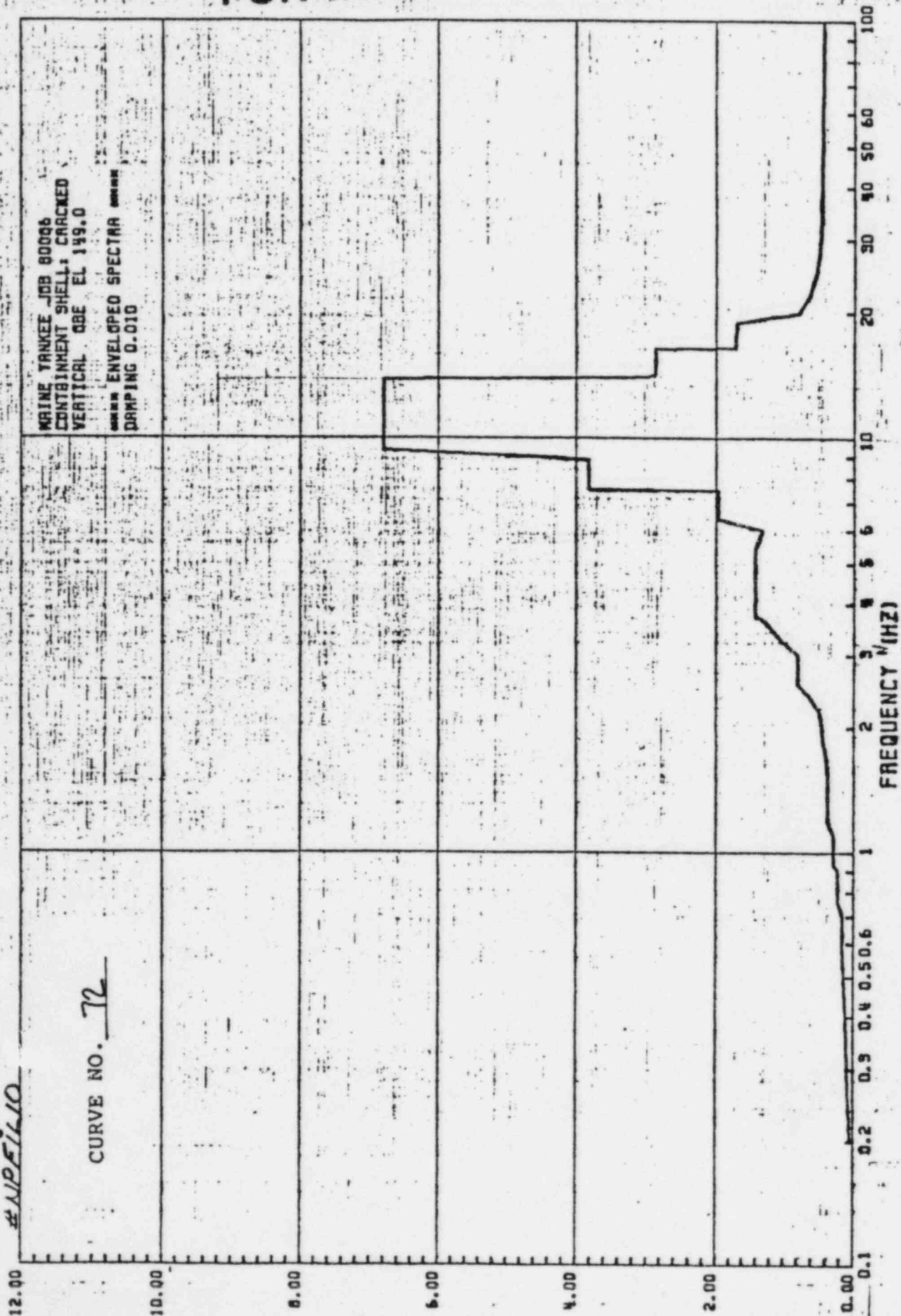
FOR INFORMATION ONLY

EES

#NPEILIO

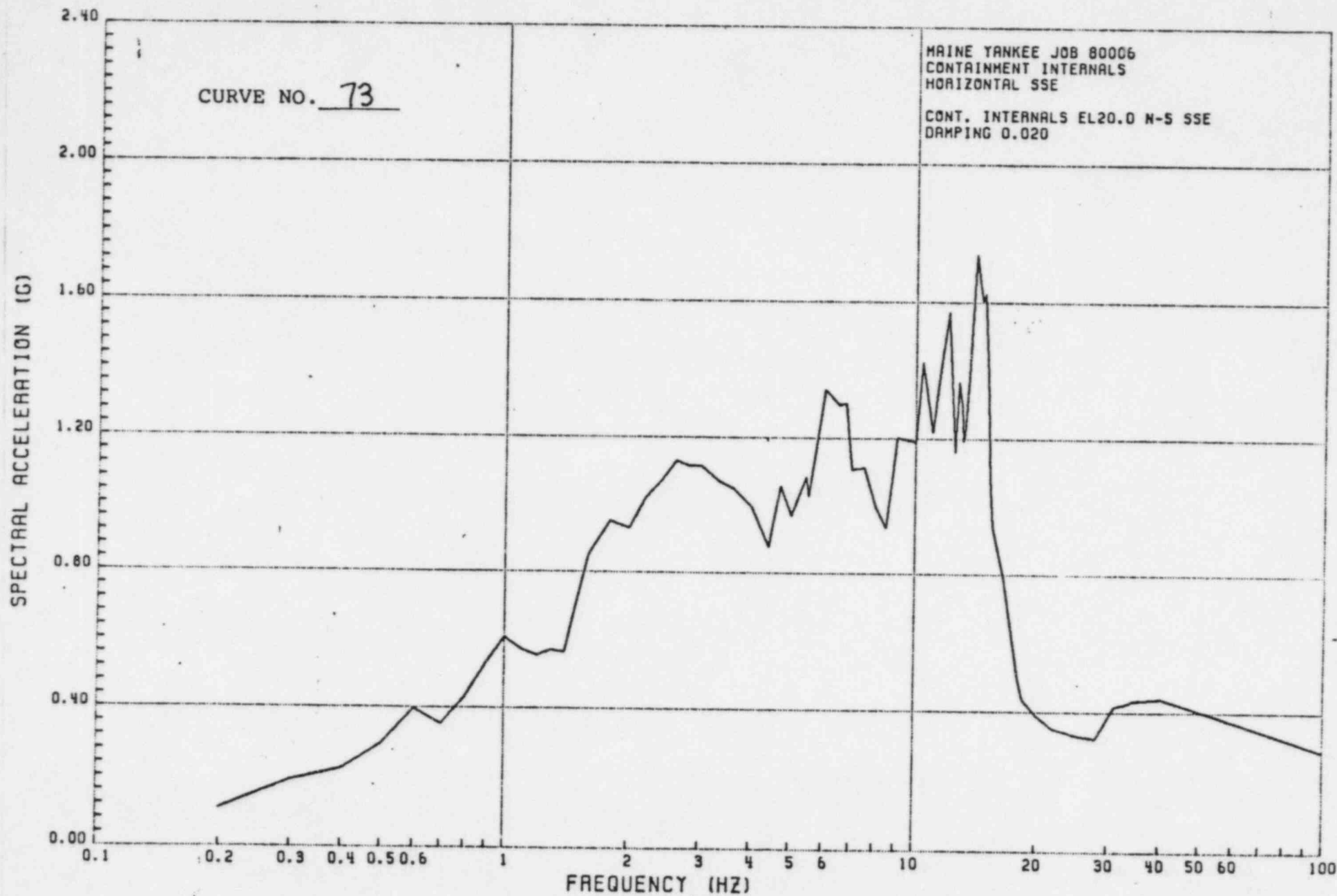
CURVE NO. 12

MAINE YANKEE JOB 80086
CONTAINMENT SHELL, CRACKED
VERTICAL QBE EL 149.0
ENVELOPED SPECTRA
DAMPING 0.010



EARTHQUAKE ENGINEERING SYSTEMS

EES



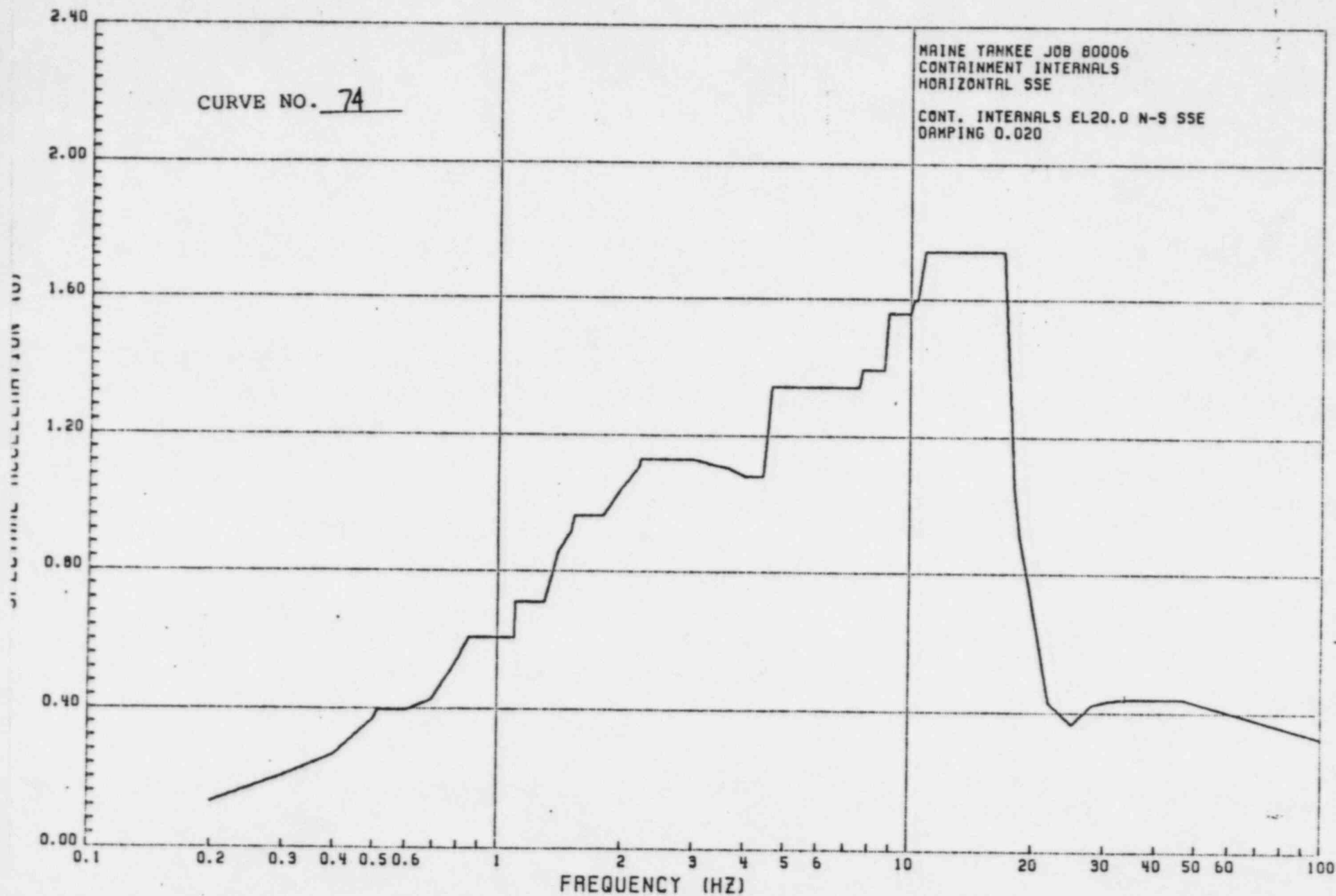
FOR INFORMATION ONLY

EES

CURVE NO. 74

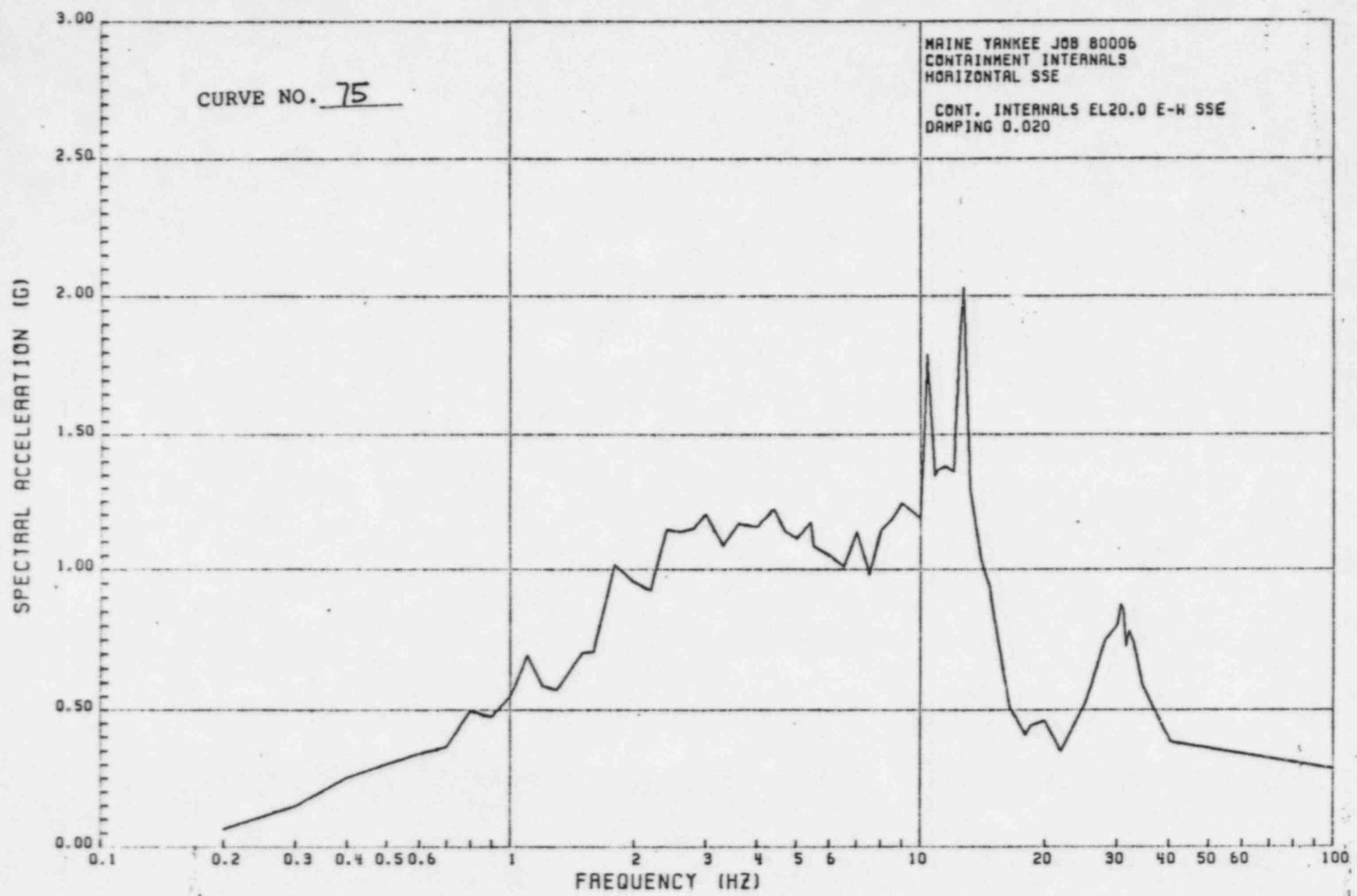
MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

CONT. INTERNALS EL20.0 N-S SSE
DAMPING 0.020



EARTHQUAKE ENGINEERING SYSTEMS

EES



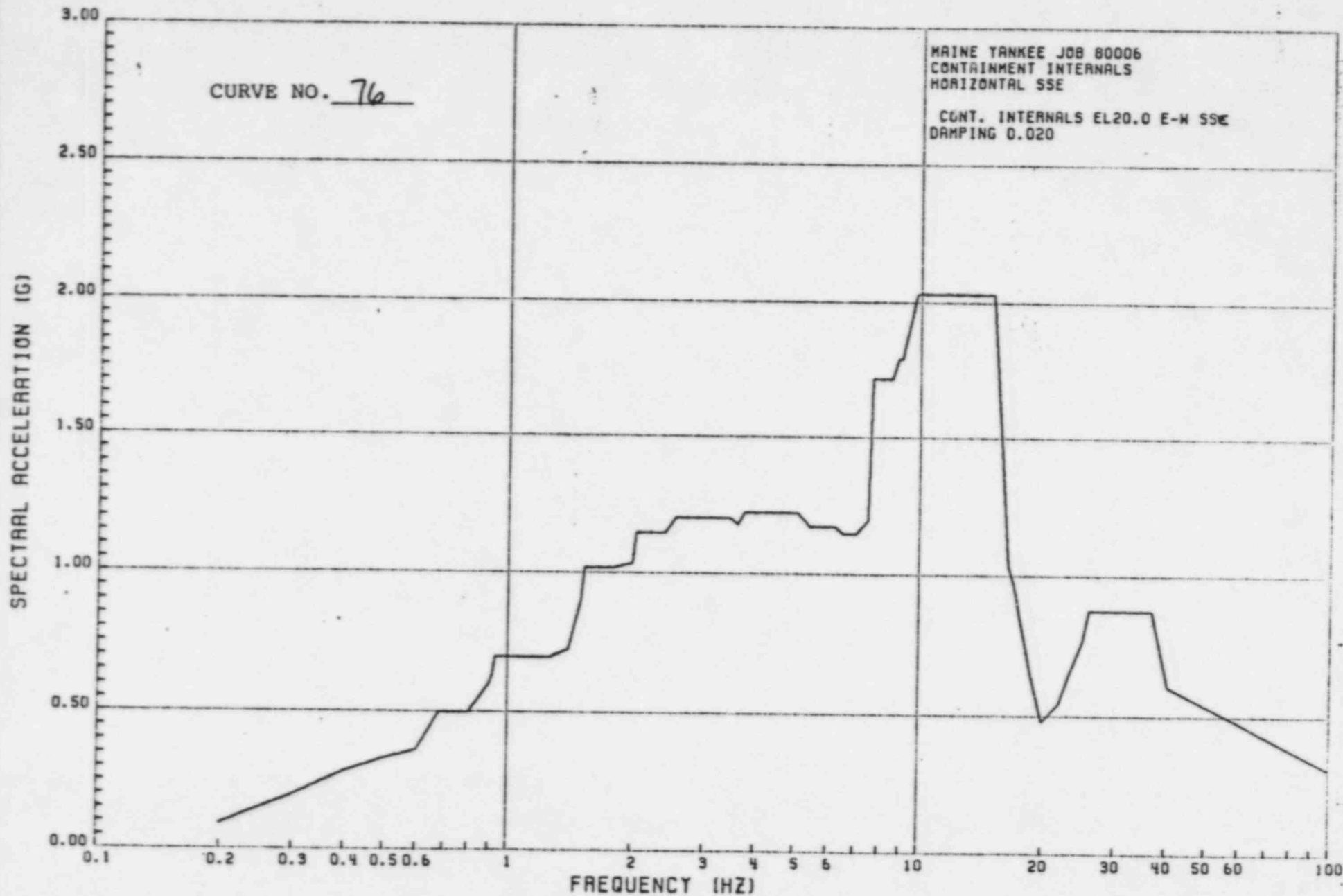
CURVE NO. 75

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

CONT. INTERNALS EL20.0 E-W SSE
DAMPING 0.020

FOR INFORMATION ONLY

EES



FOR INFORMATION ONLY

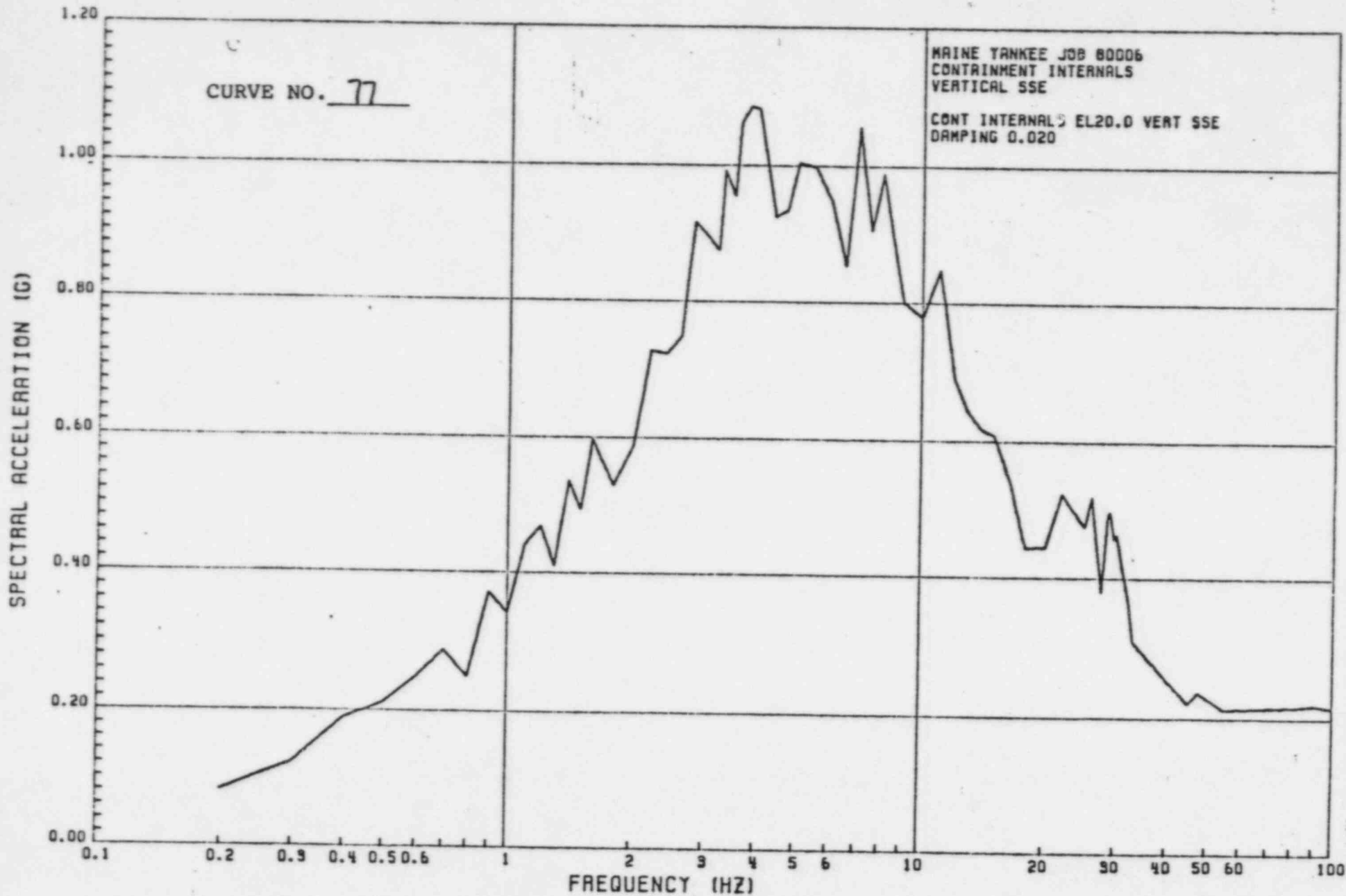
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 77

MAINE TANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL SSE

CONT INTERNALS EL20.0 VERT SSE
DAMPING 0.020

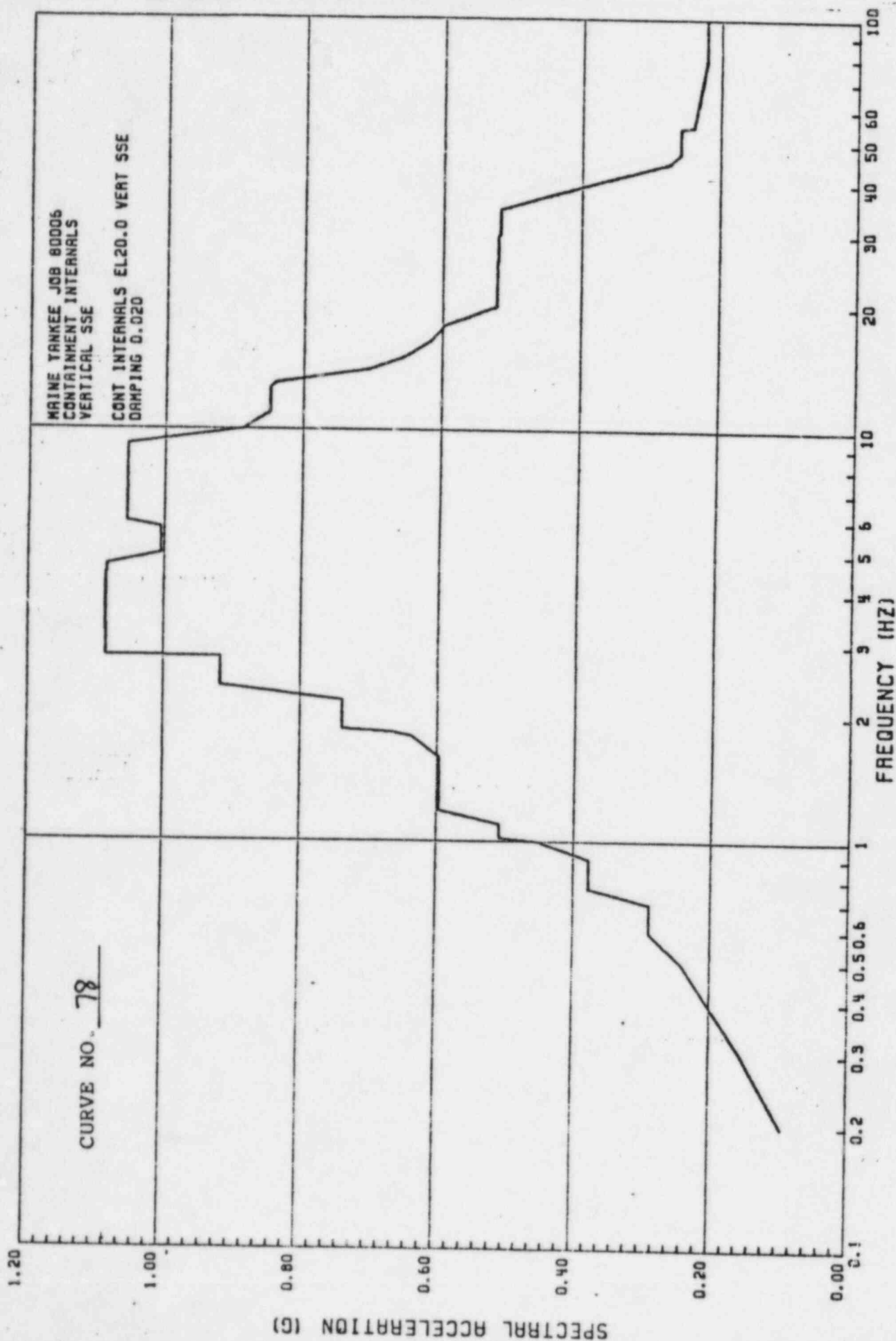


EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

FOR INFORMATION ONLY

EES



EARTHQUAKE ENGINEERING SYSTEMS

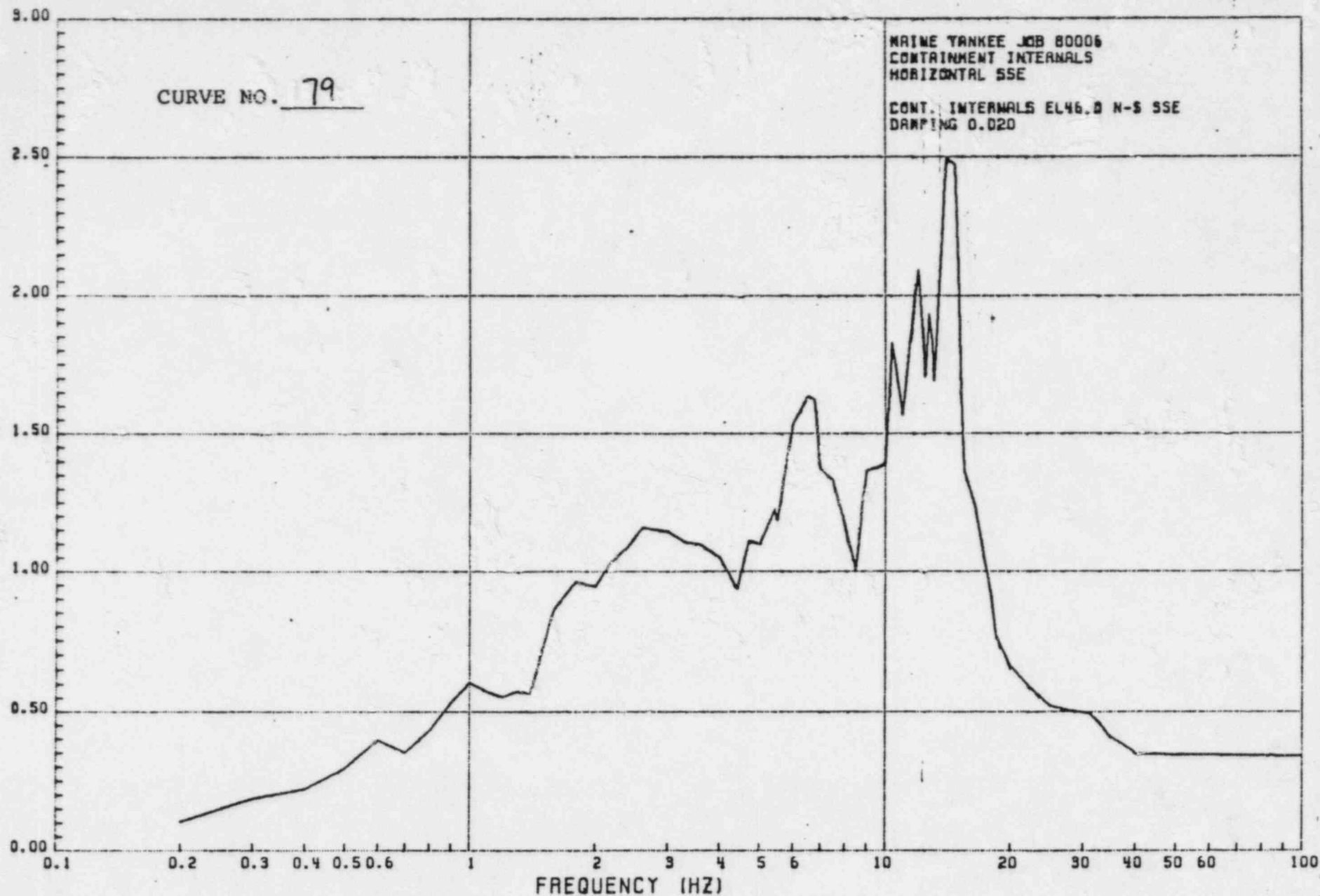
EES

CURVE NO. 79

MAINE TANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

CONT. INTERVALS EL46.0 N-S SSE
DAMPING 0.020

SPECTRAL ACCELERATION (G)

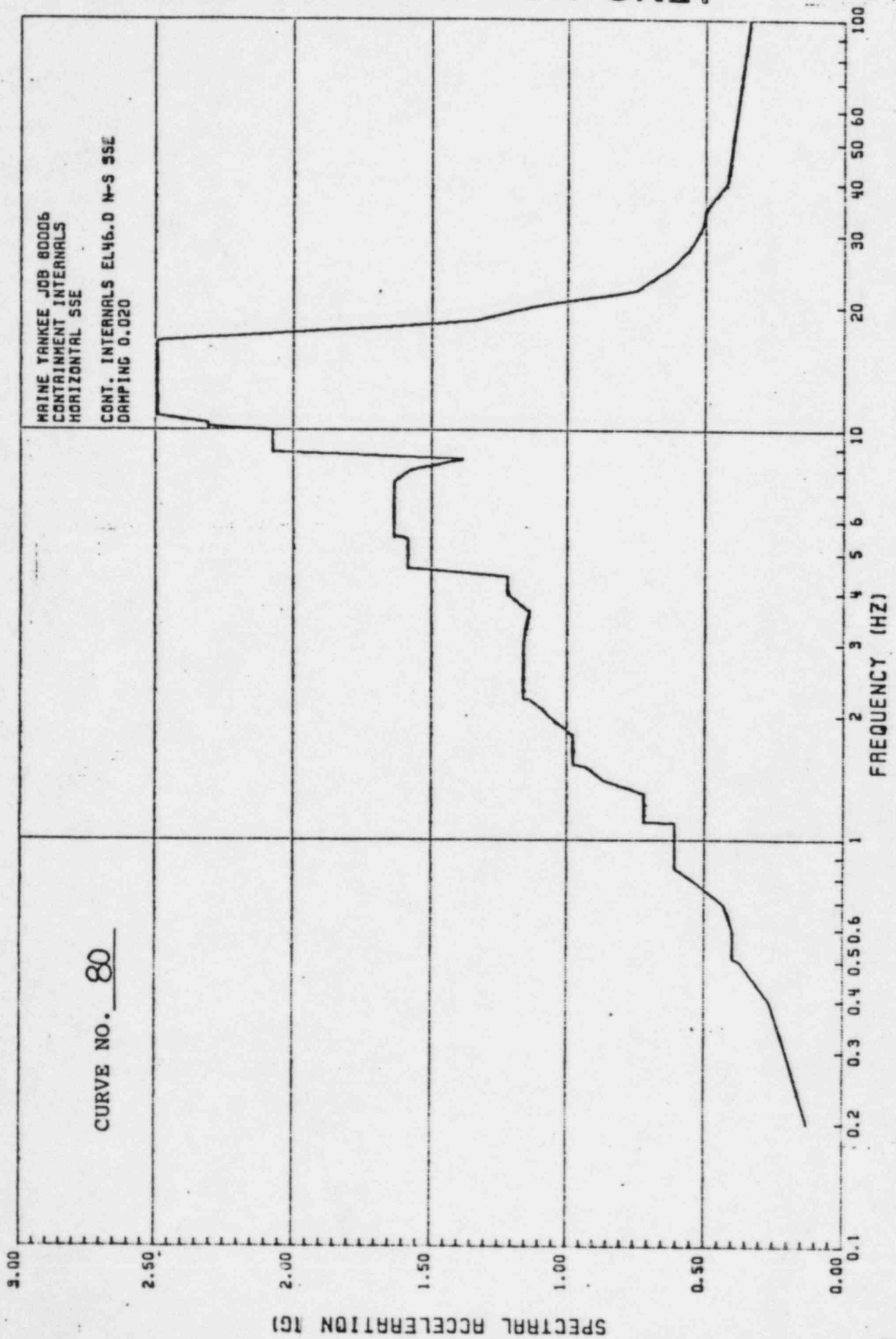


FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES



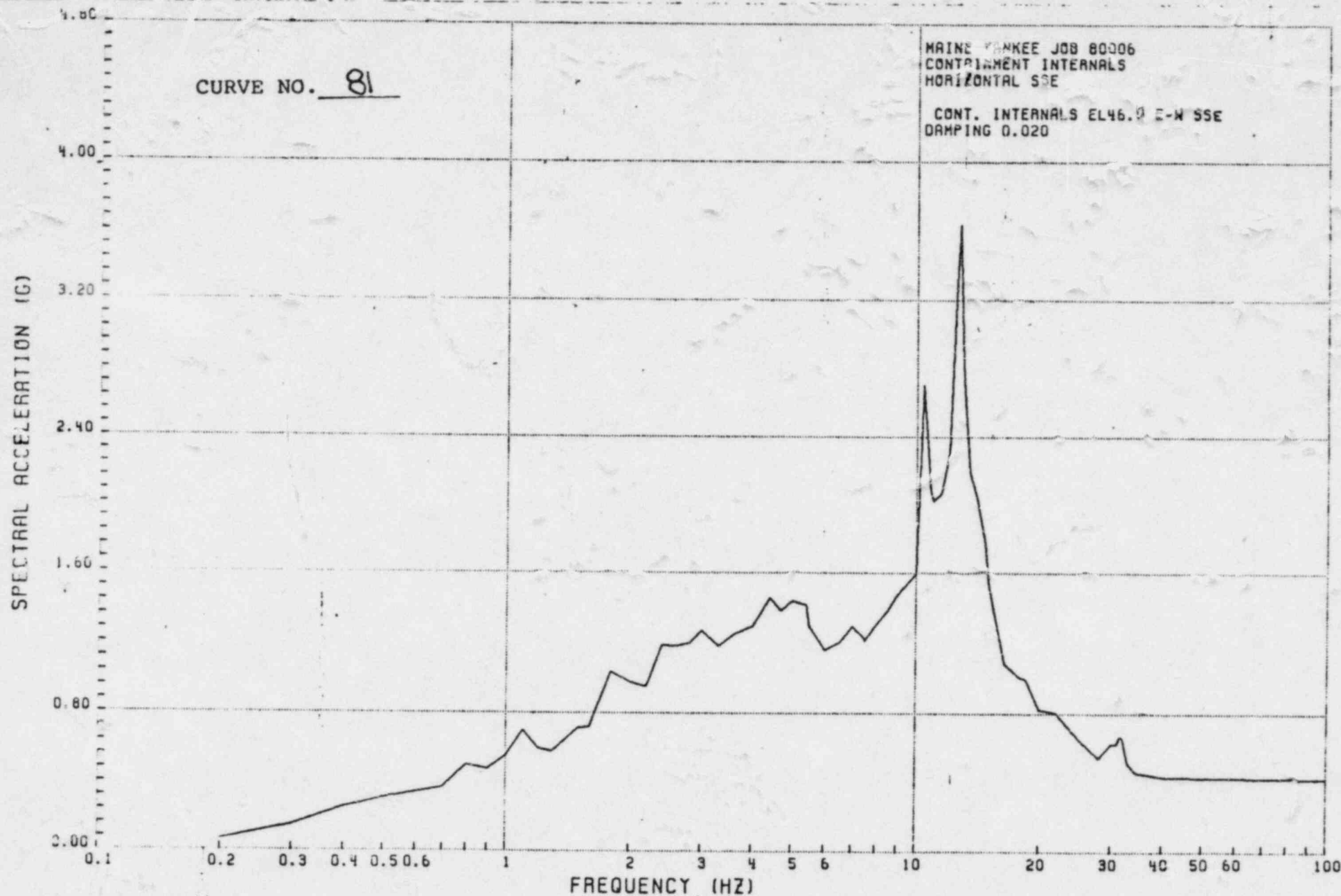
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 81

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

CONT. INTERNALS EL46.0 E-W SSE
DAMPING 0.020



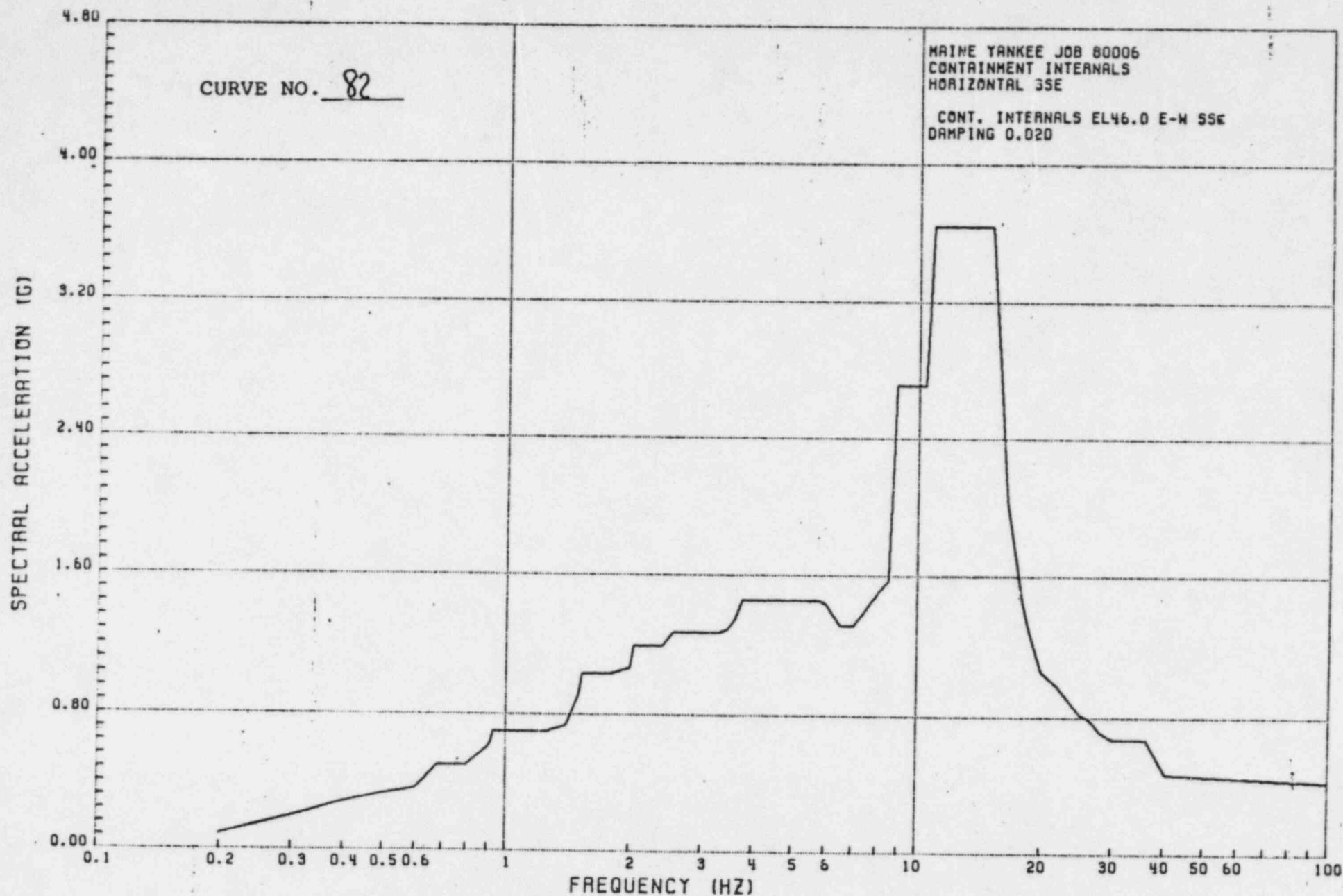
FOR INFORMATION ONLY

EES

CURVE NO. 82

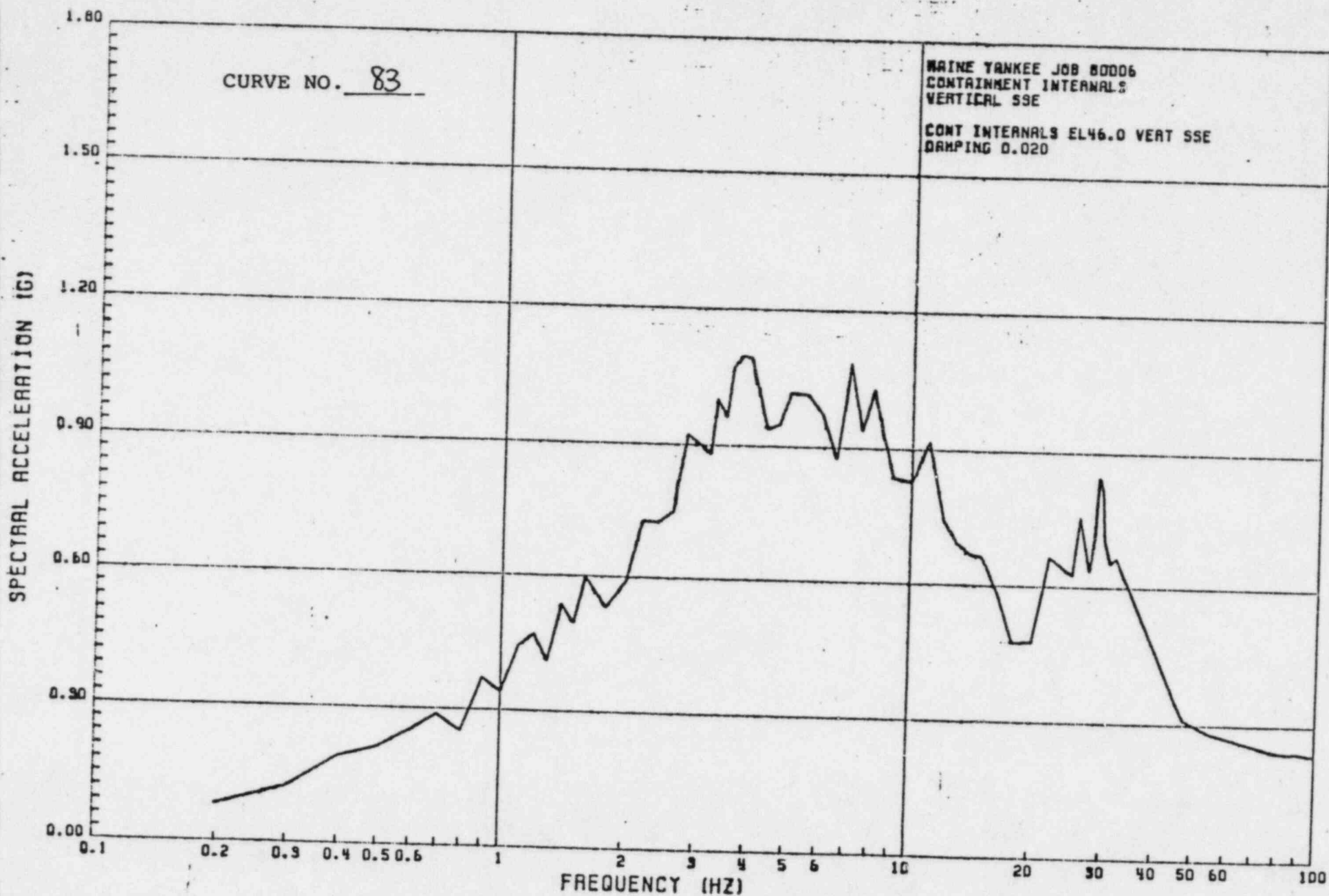
MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

CONT. INTERNALS EL46.0 E-W SSE
DAMPING 0.020



EARTHQUAKE ENGINEERING SYSTEMS

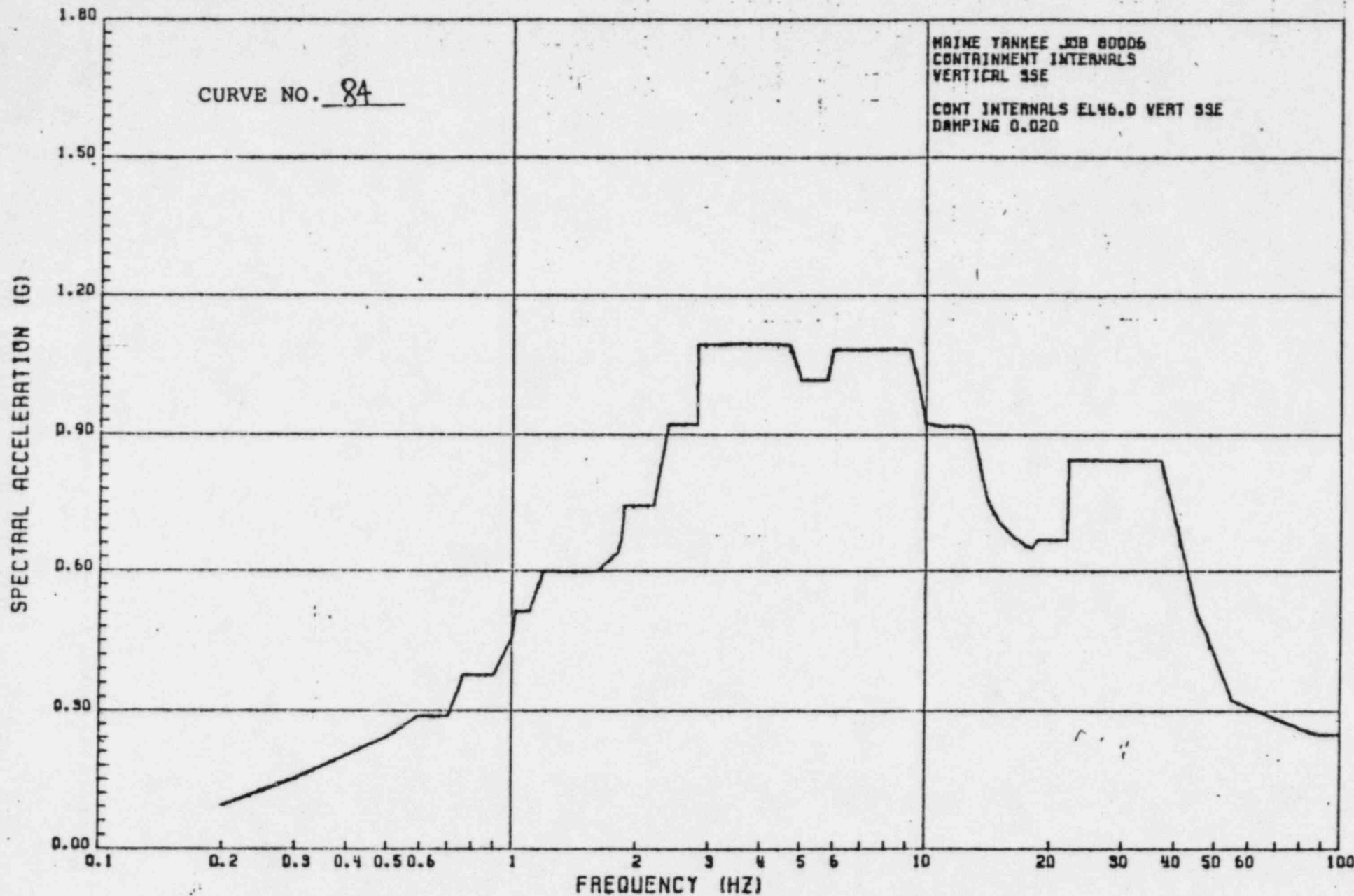
EES



FOR INFORMATION ONLY

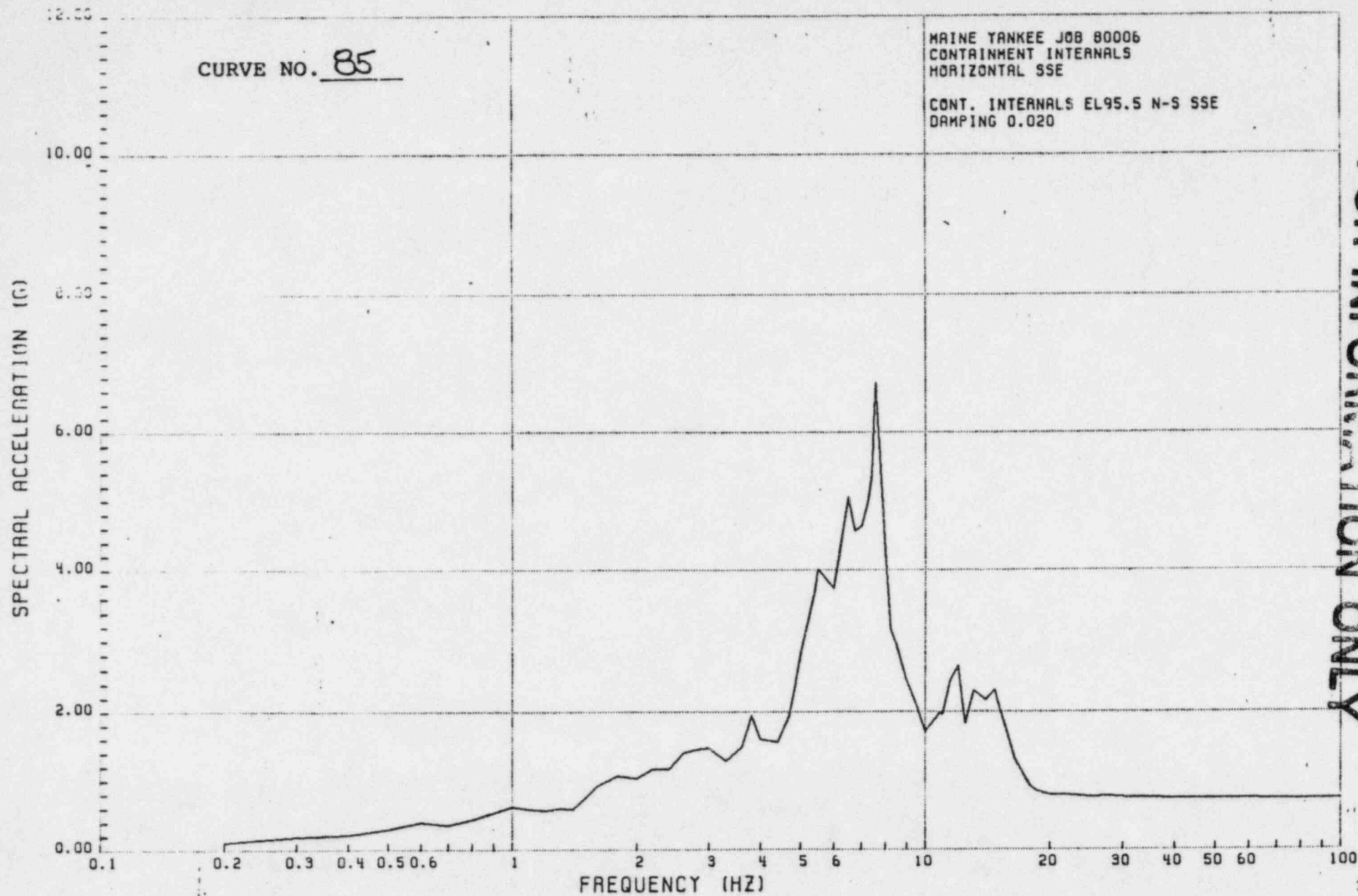
EARTHQUAKE ENGINEERING SYSTEMS

EES



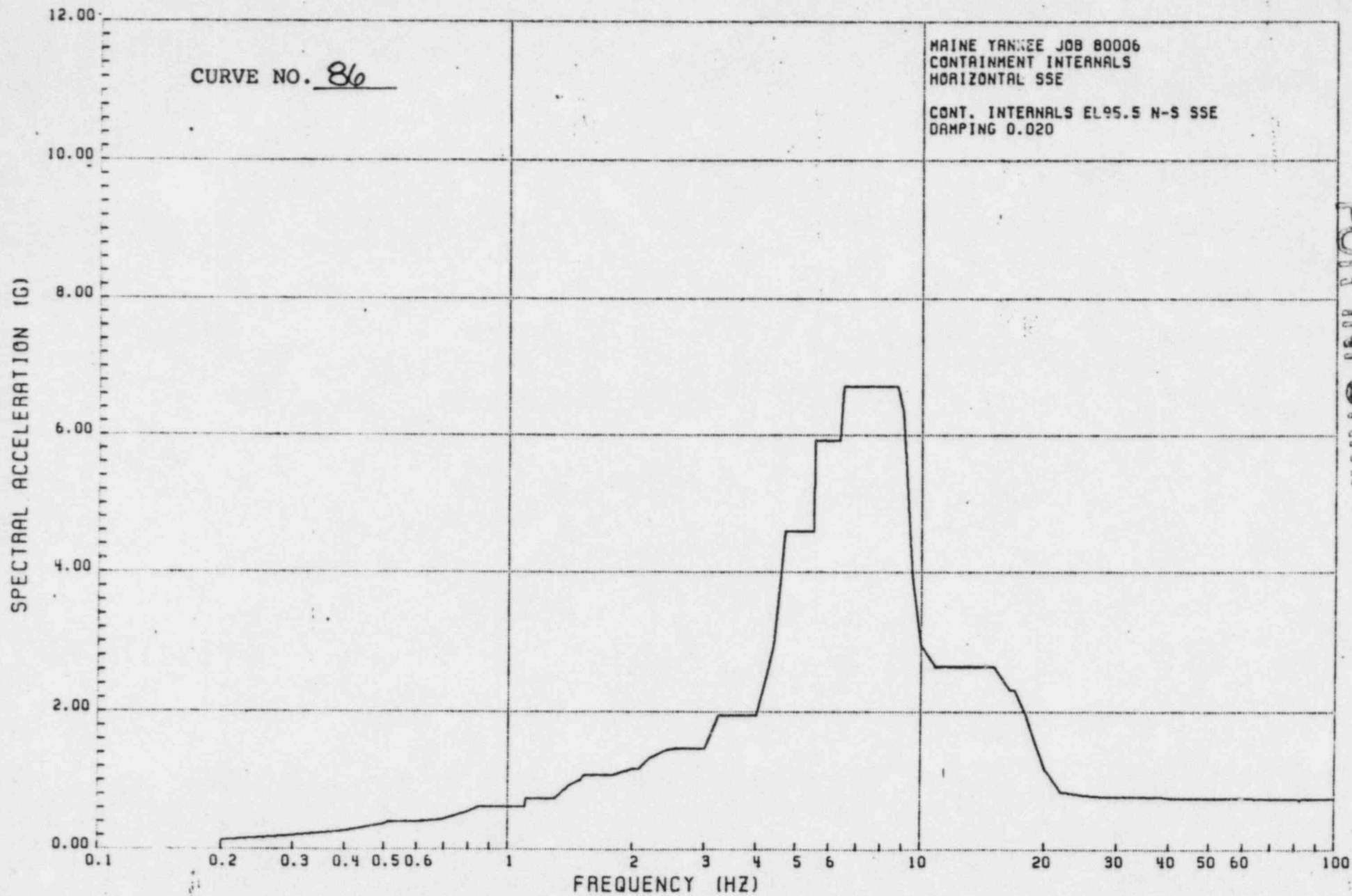
FOR INFORMATION ONLY

EES -



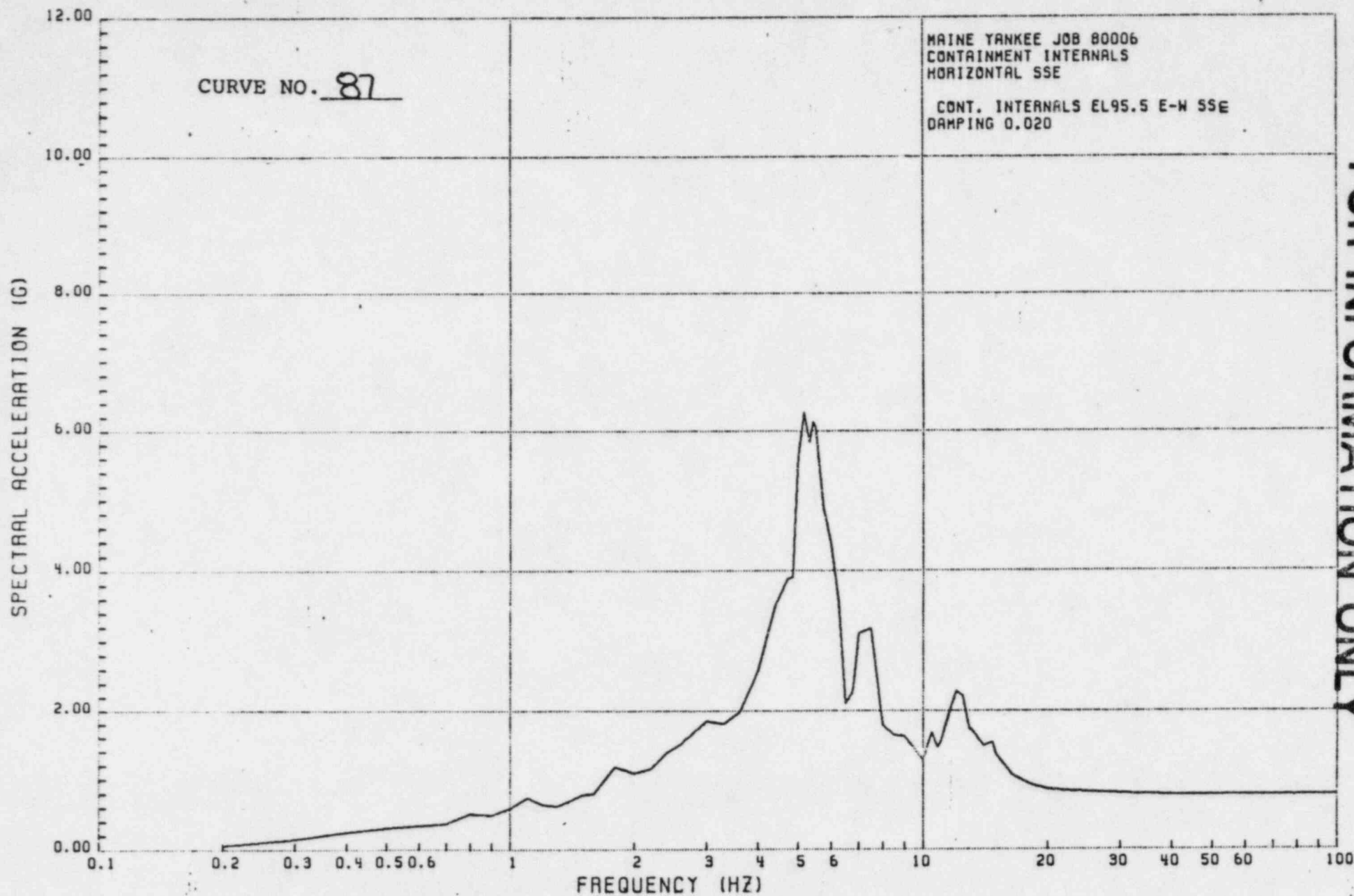
EARTHQUAKE ENGINEERING SYSTEMS

EES



EARTHQUAKE ENGINEERING SYSTEMS

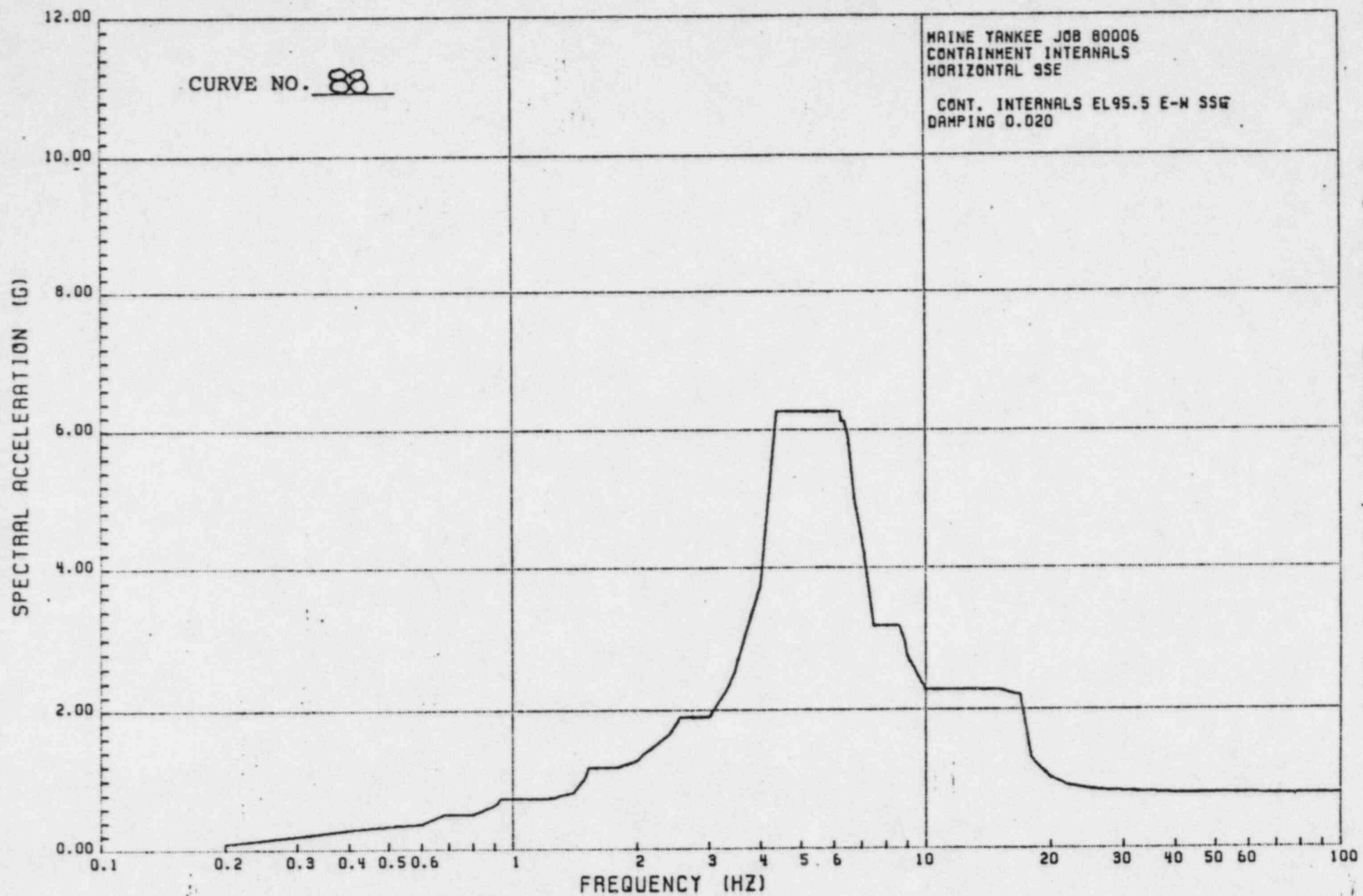
EES



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

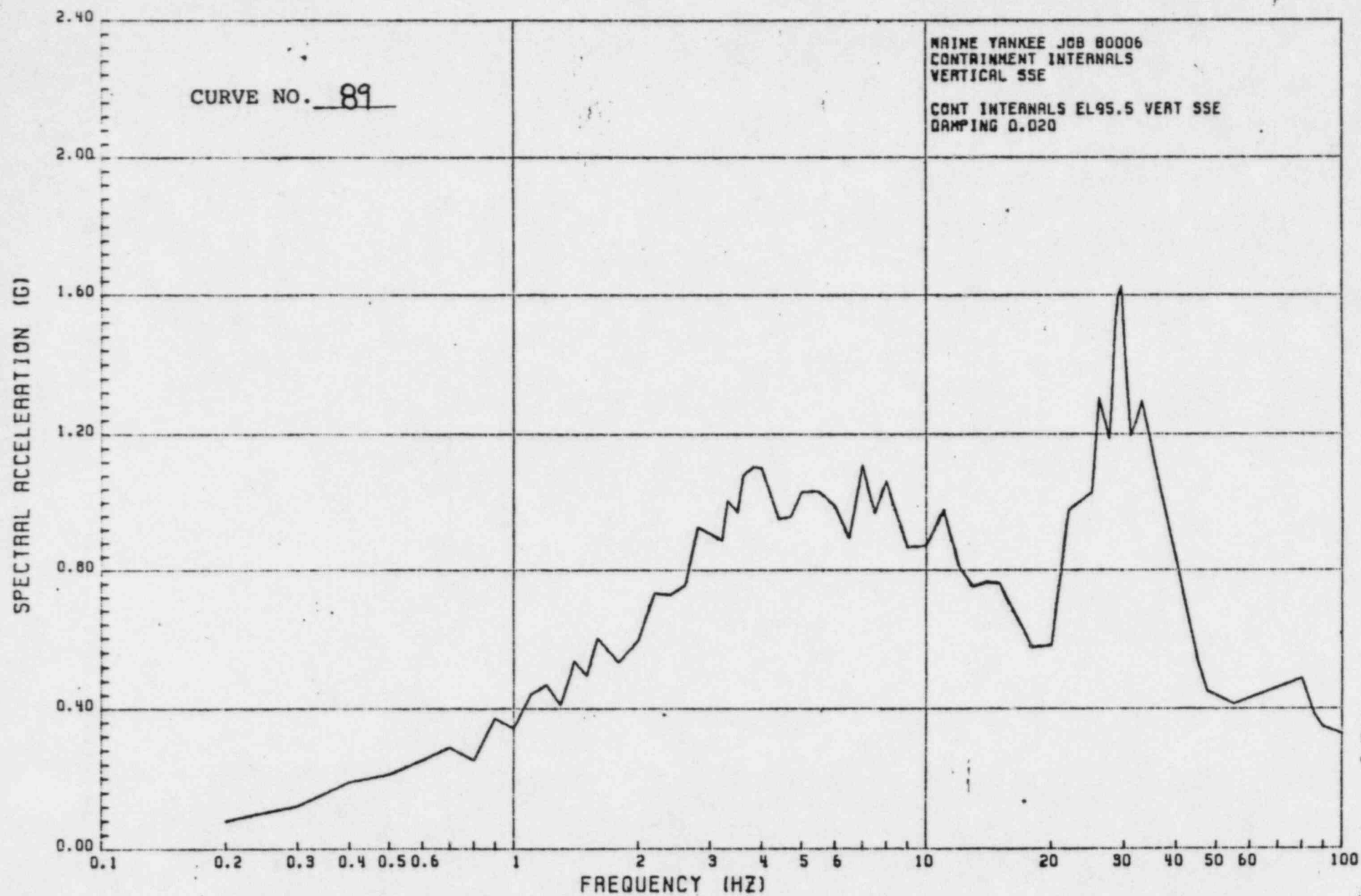
EES



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES



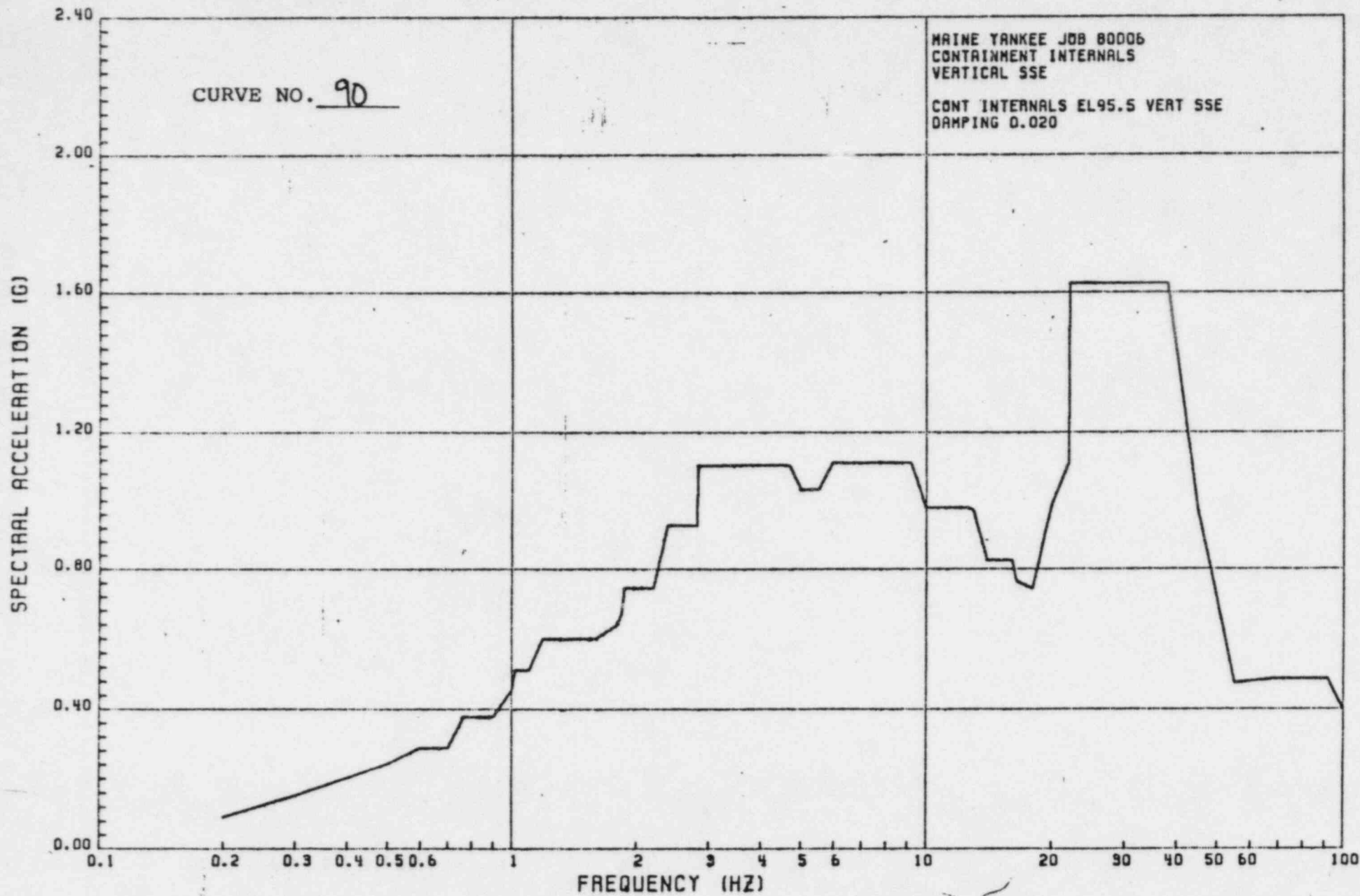
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 90

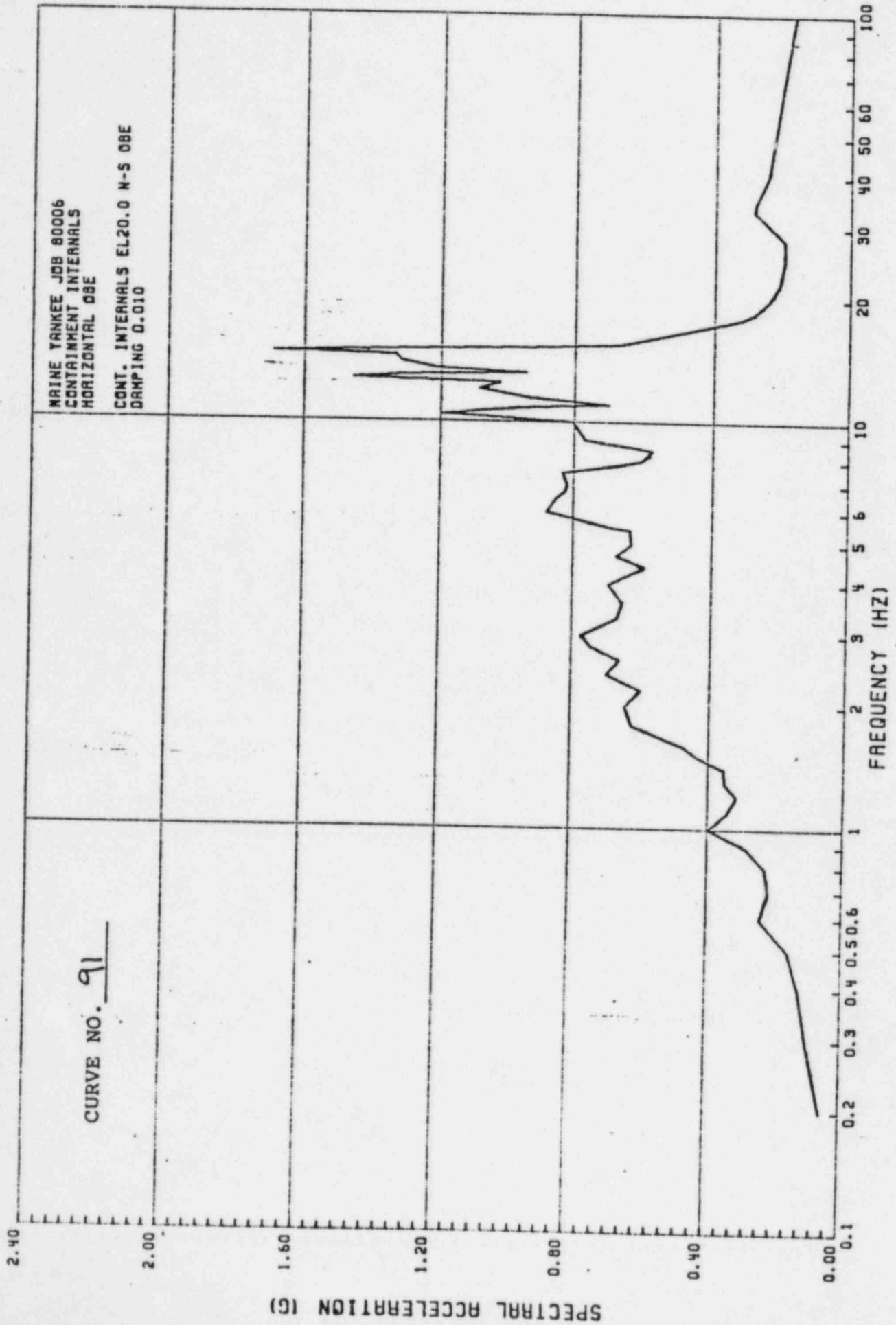
MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL SSE

CONT INTERNALS EL95.5 VERT SSE
DAMPING 0.020



FOR INFORMATION ONLY

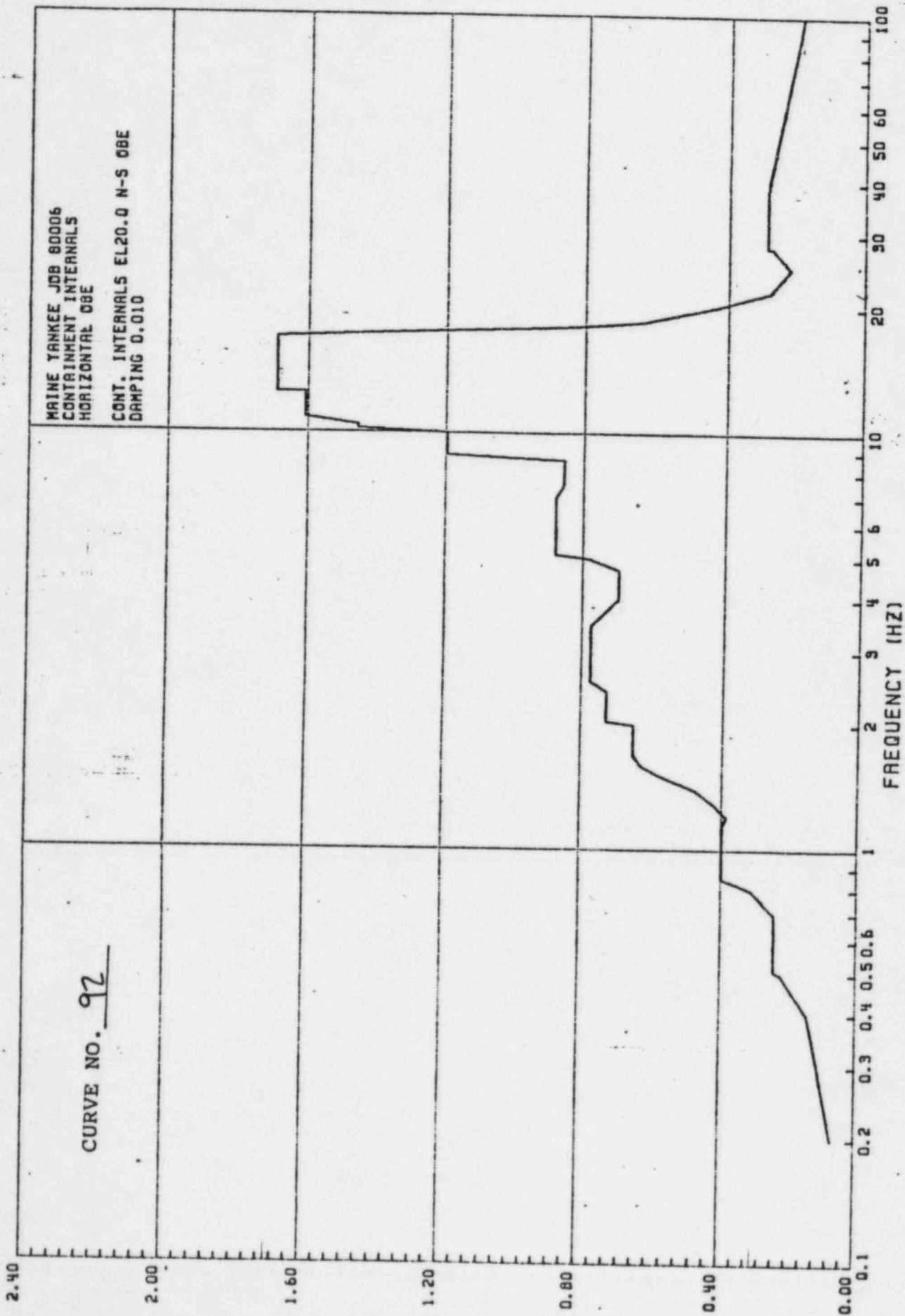
FOR INFORMATION ONLY



EARTHQUAKE ENGINEERING SYSTEMS

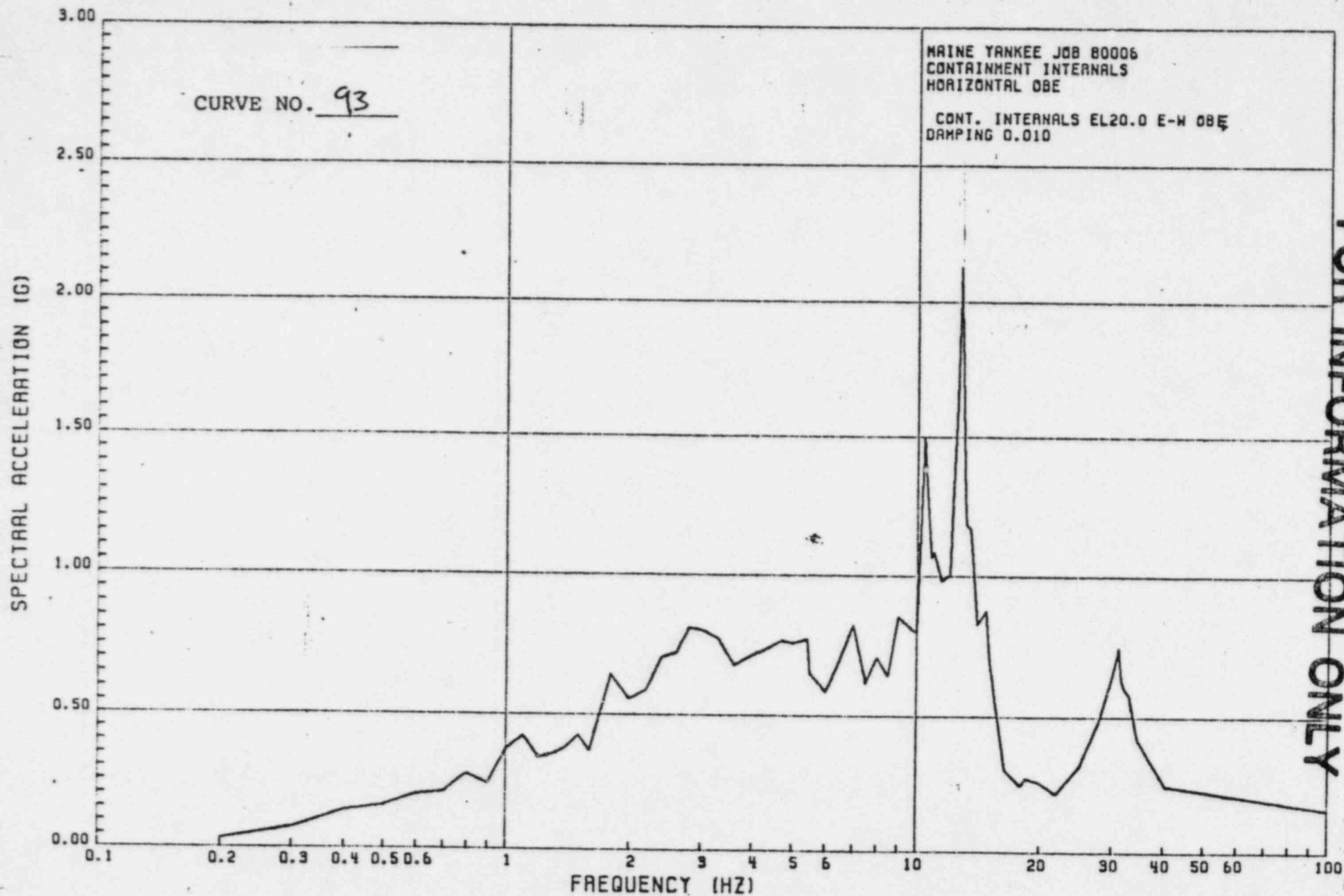
EES

CURVE NO. 92



EARTHQUAKE ENGINEERING SYSTEMS

EES



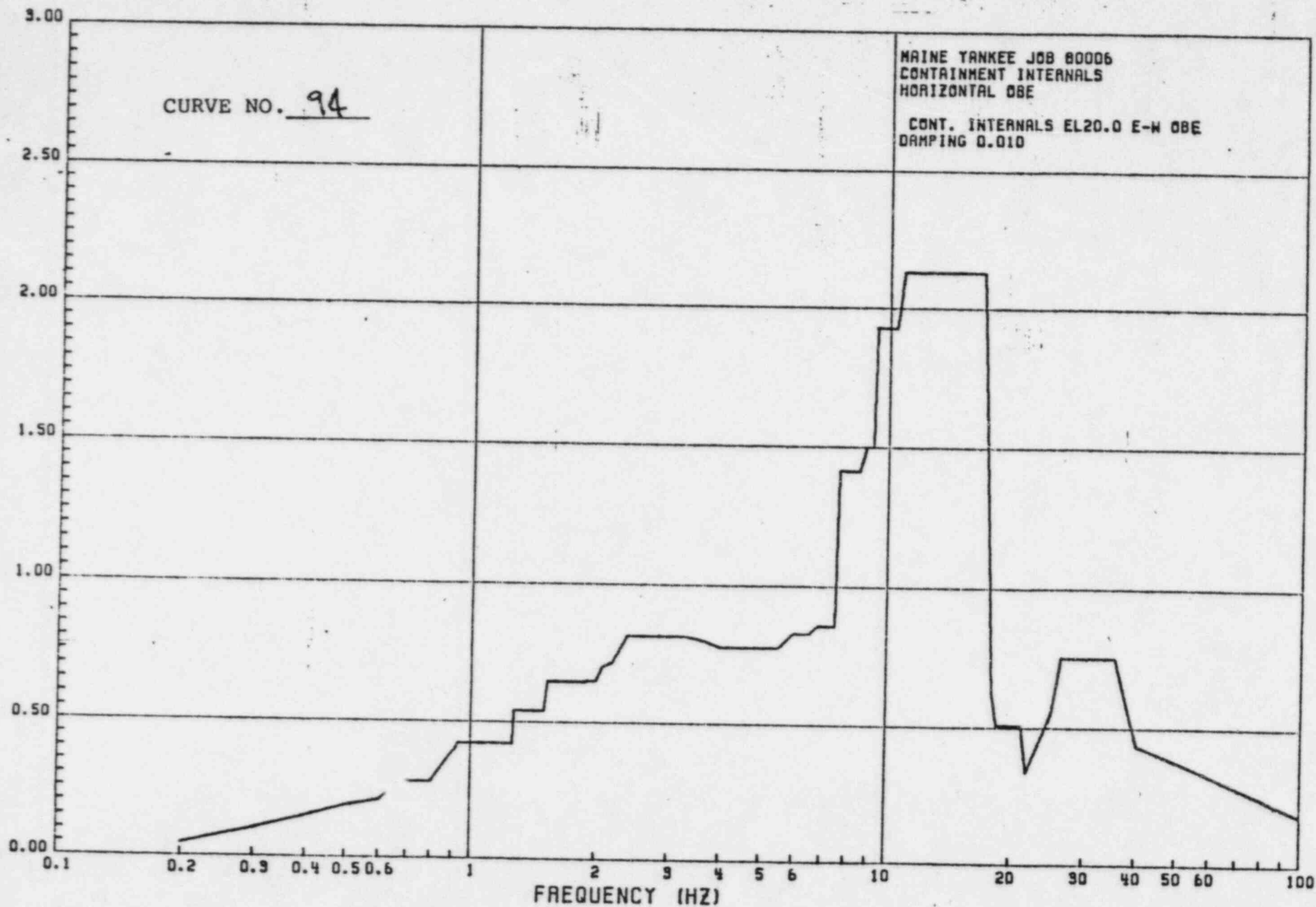
FOR INFORMATION ONLY

EES

CURVE NO. 94

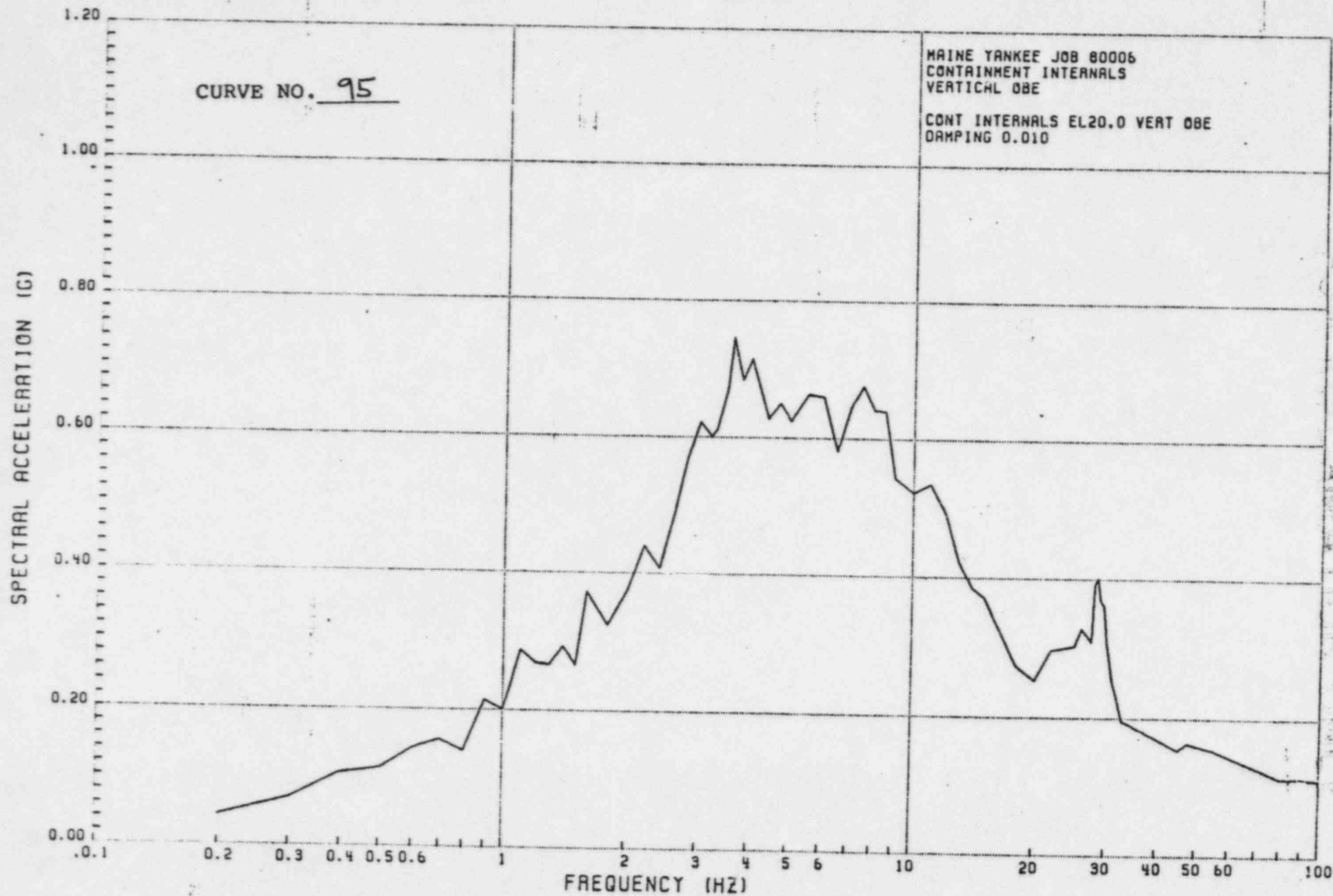
MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

CONT. INTERNALS EL20.0 E-W OBE
DAMPING 0.010



FOR INFORMATION ONLY

EES



EARTHQUAKE ENGINEERING SYSTEMS

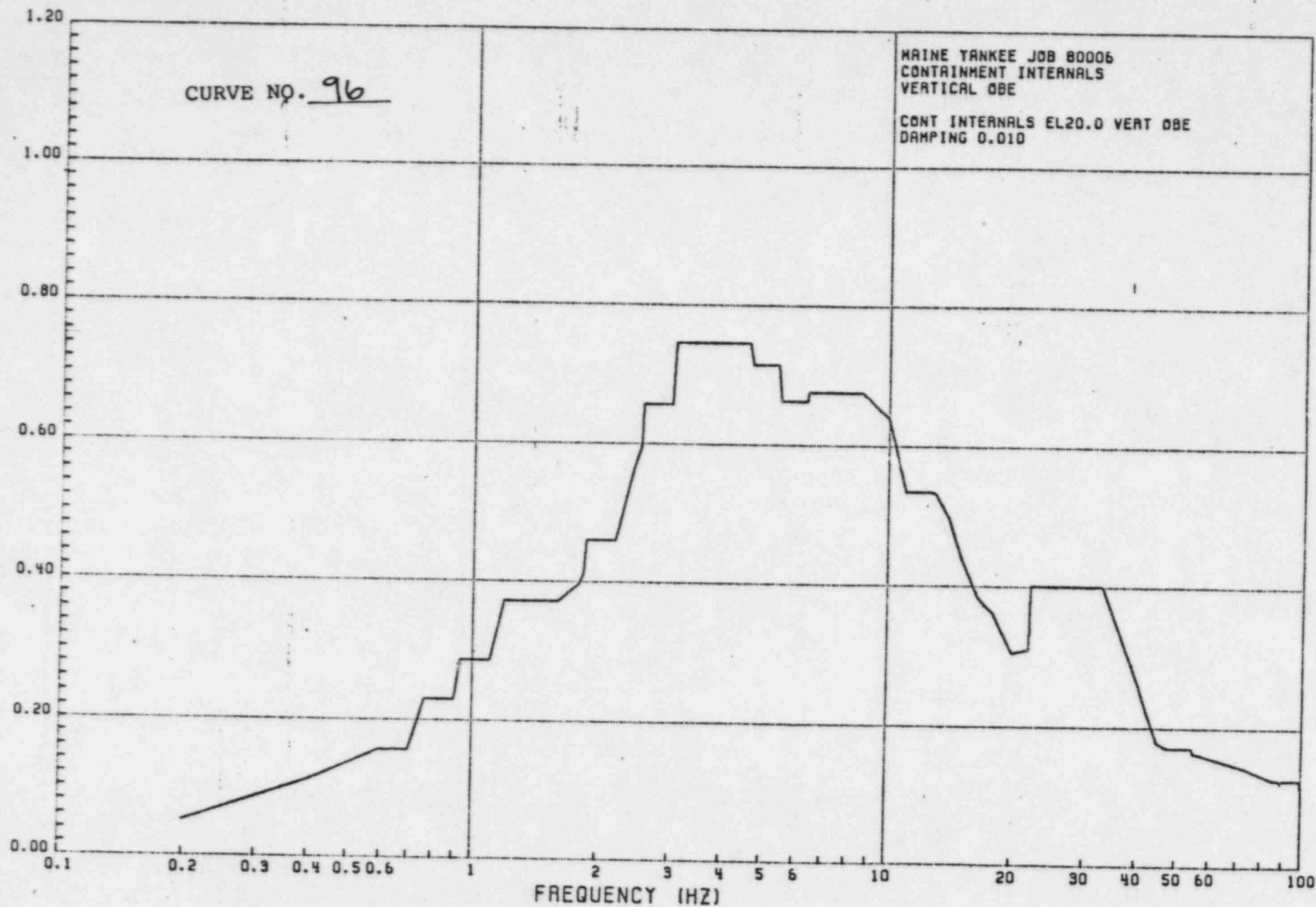
EES

CURVE NO. 96

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL DBE

CONT INTERNALS EL20.0 VERT DBE
DAMPING 0.010

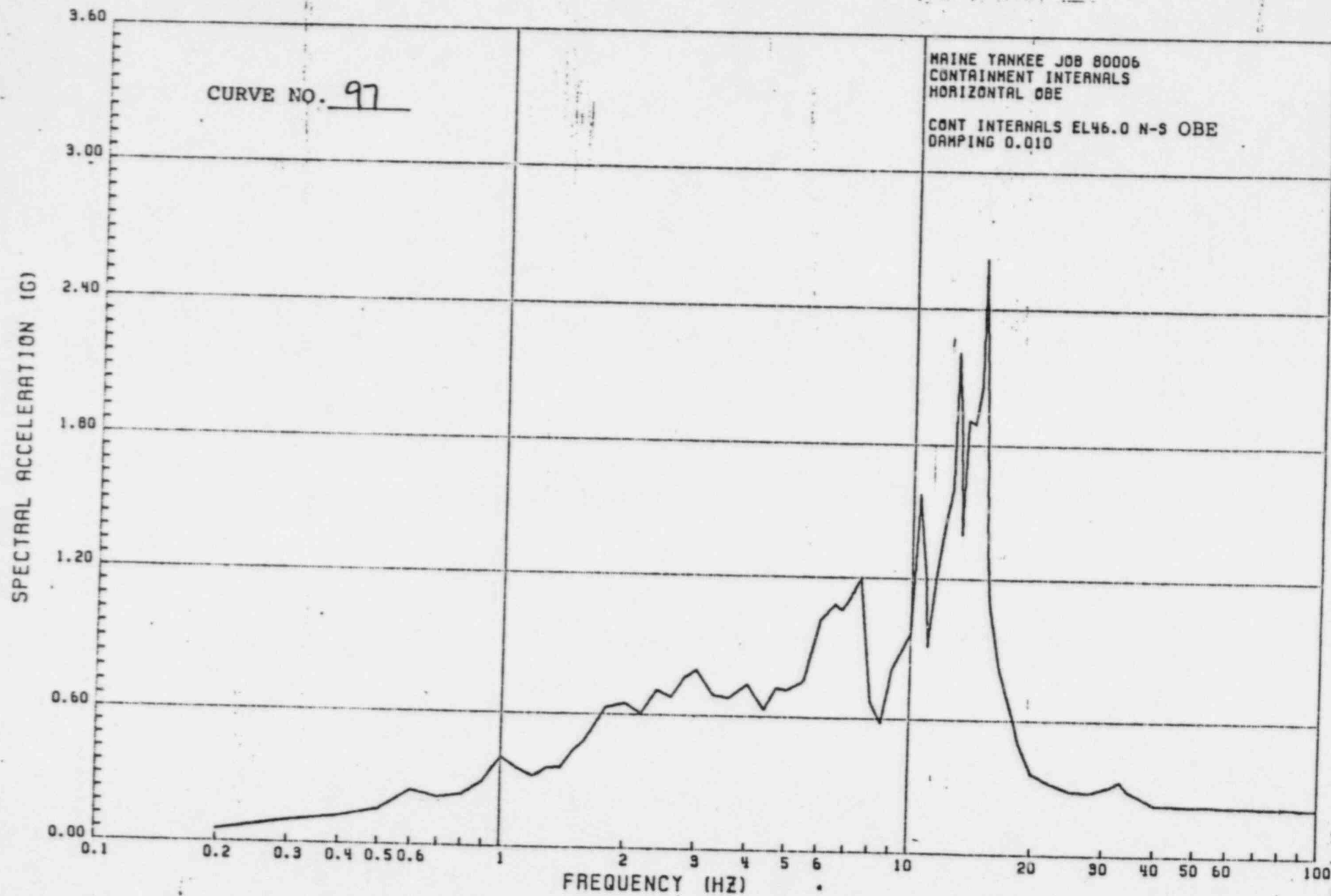
SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

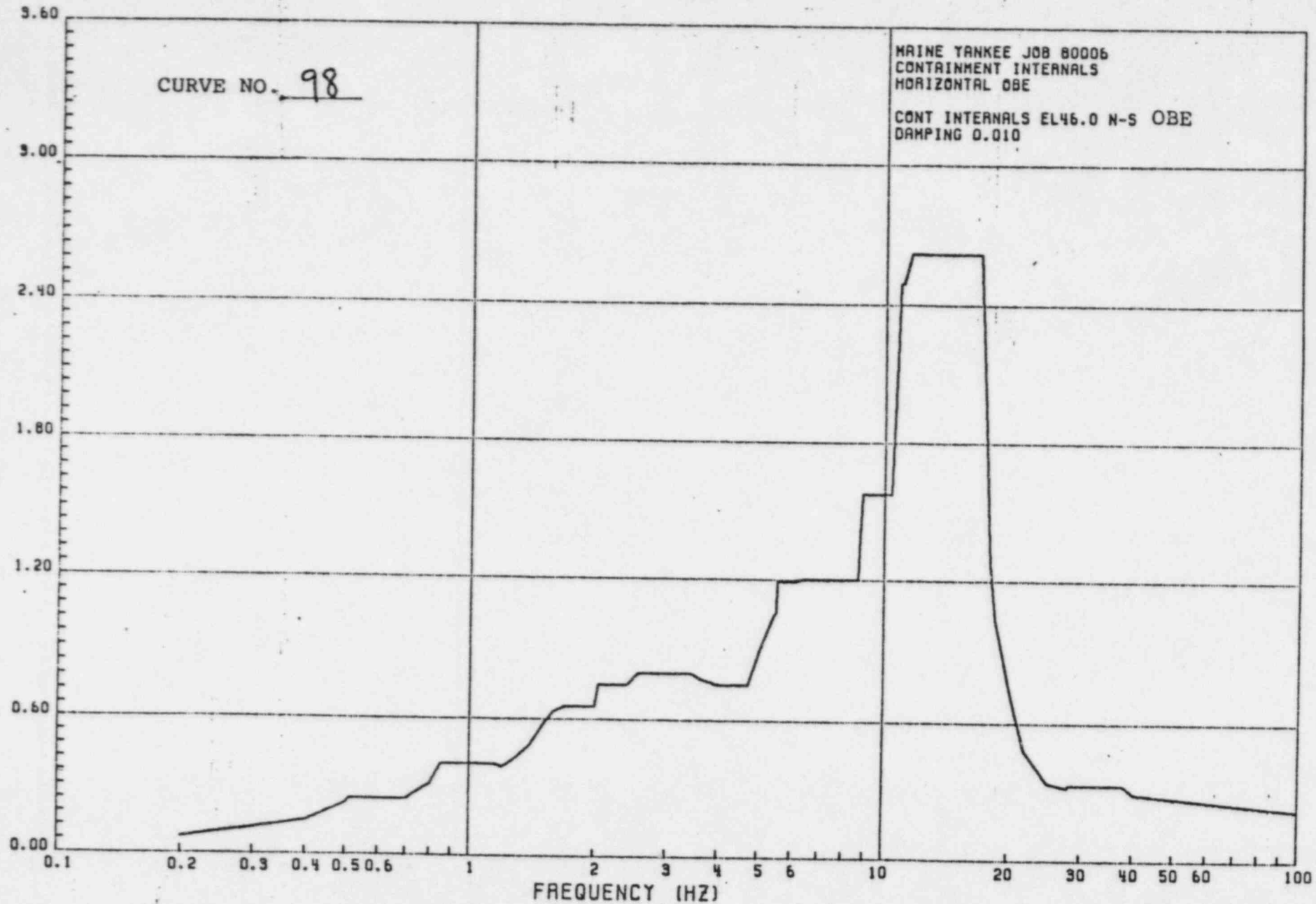
EES

CURVE NO. 98

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

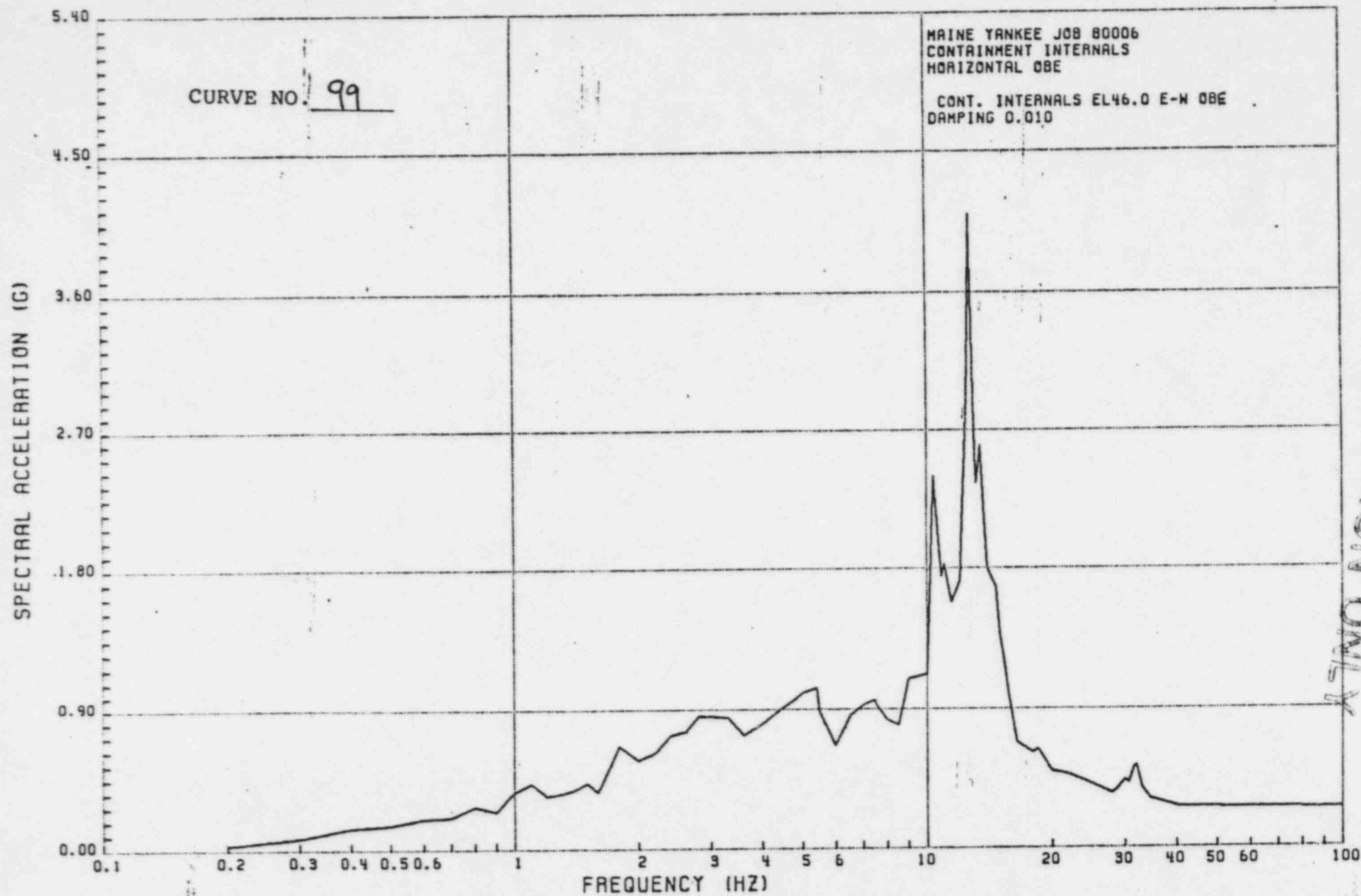
CONT INTERNALS EL46.0 N-S OBE
DAMPING 0.010

SPECTRAL ACCELERATION (G)



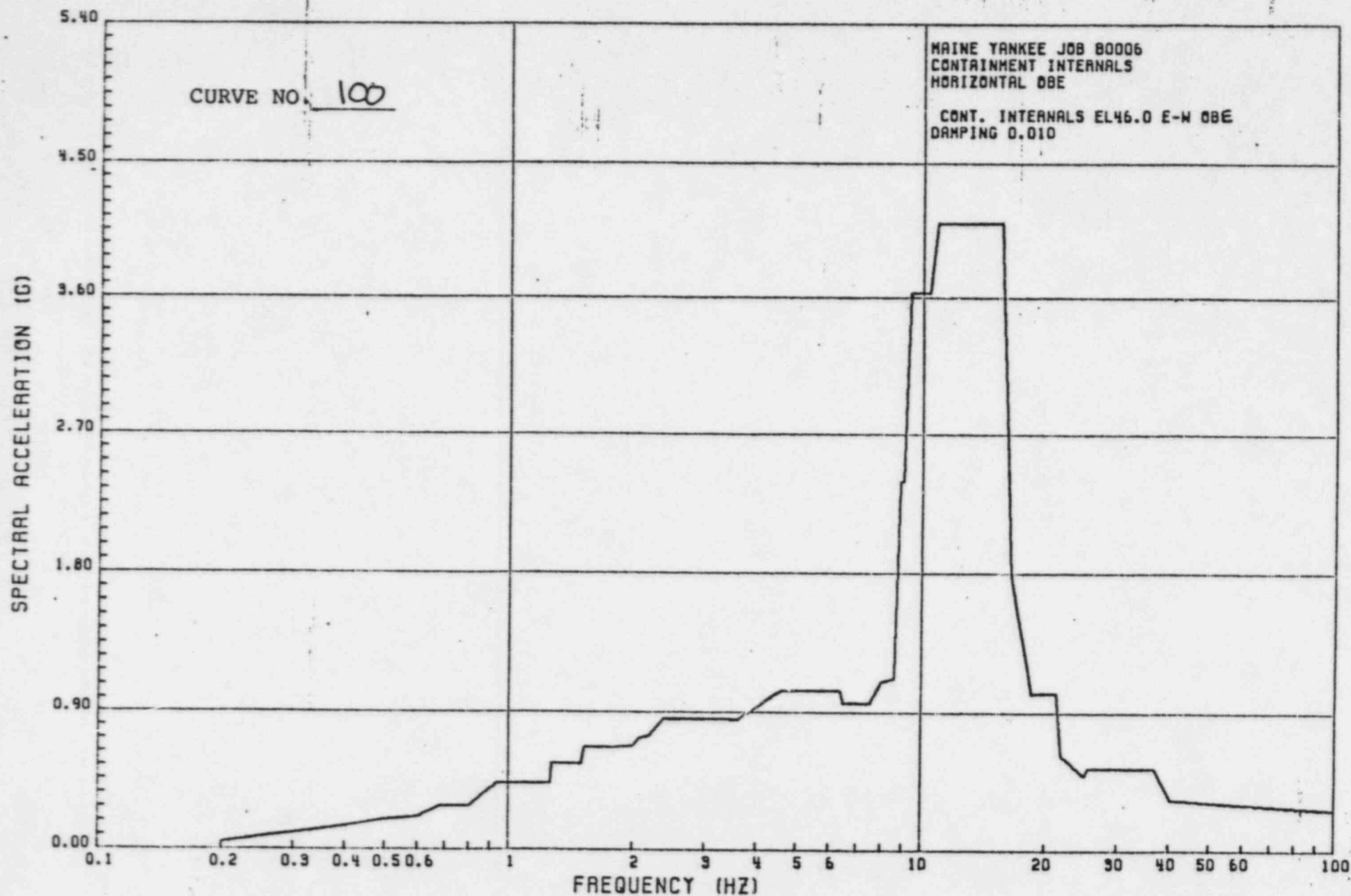
FOR INFORMATION ONLY

EES



FOR INFORMATION ONLY

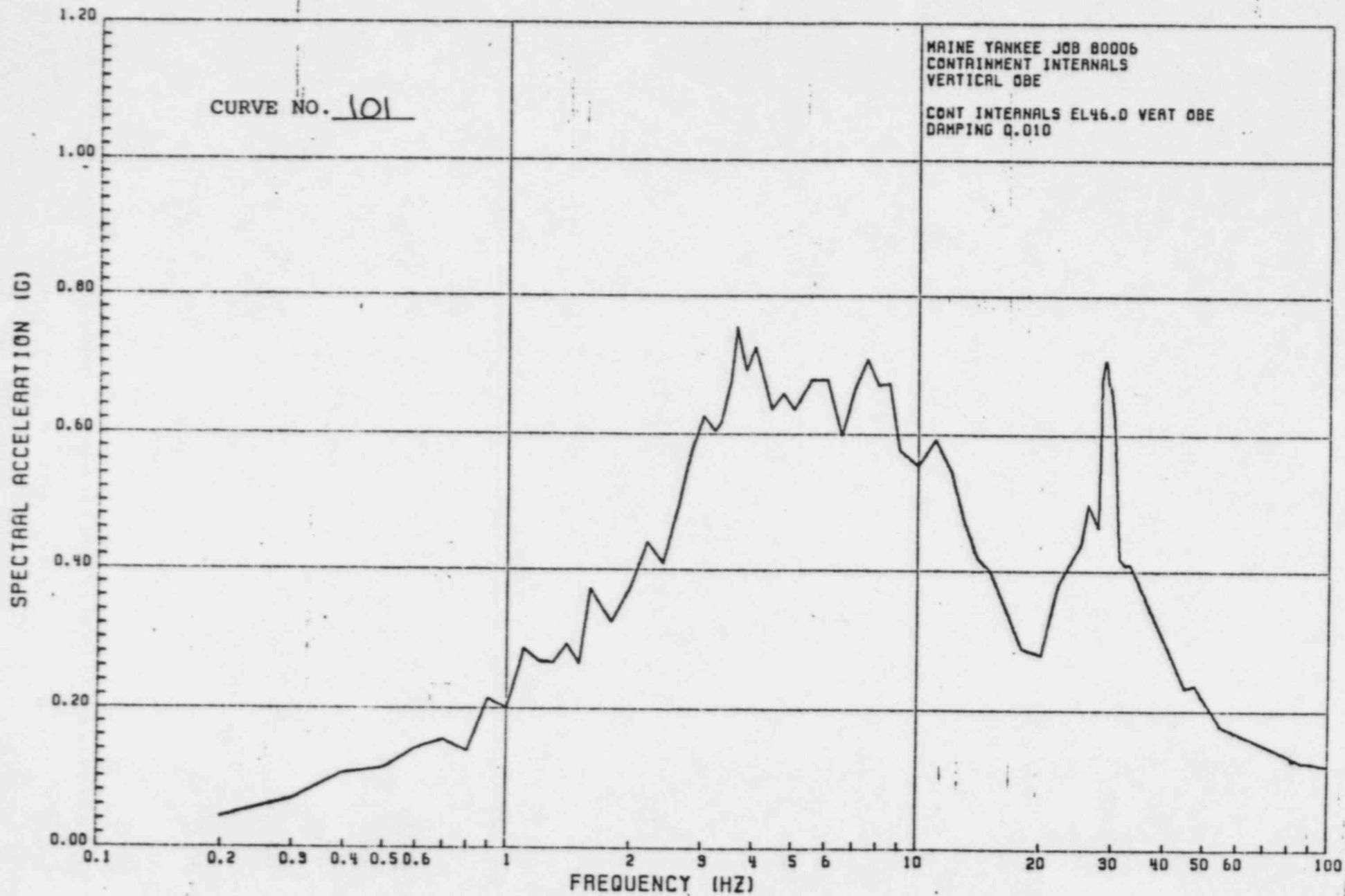
EES



EARTHQUAKE ENGINEERING SYSTEMS

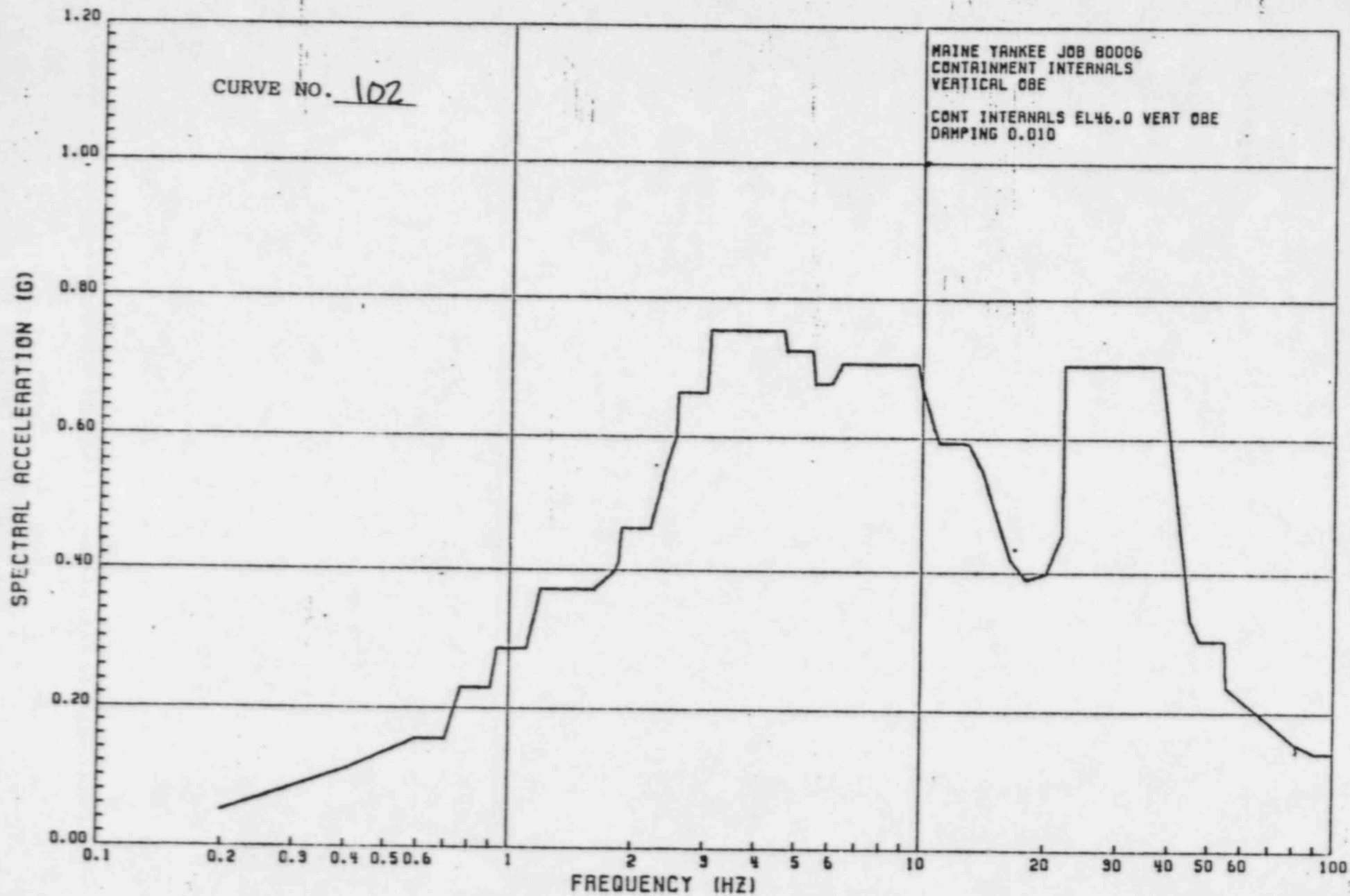
FOR INFORMATION ONLY

EES



FOR INFORMATION ONLY

EES



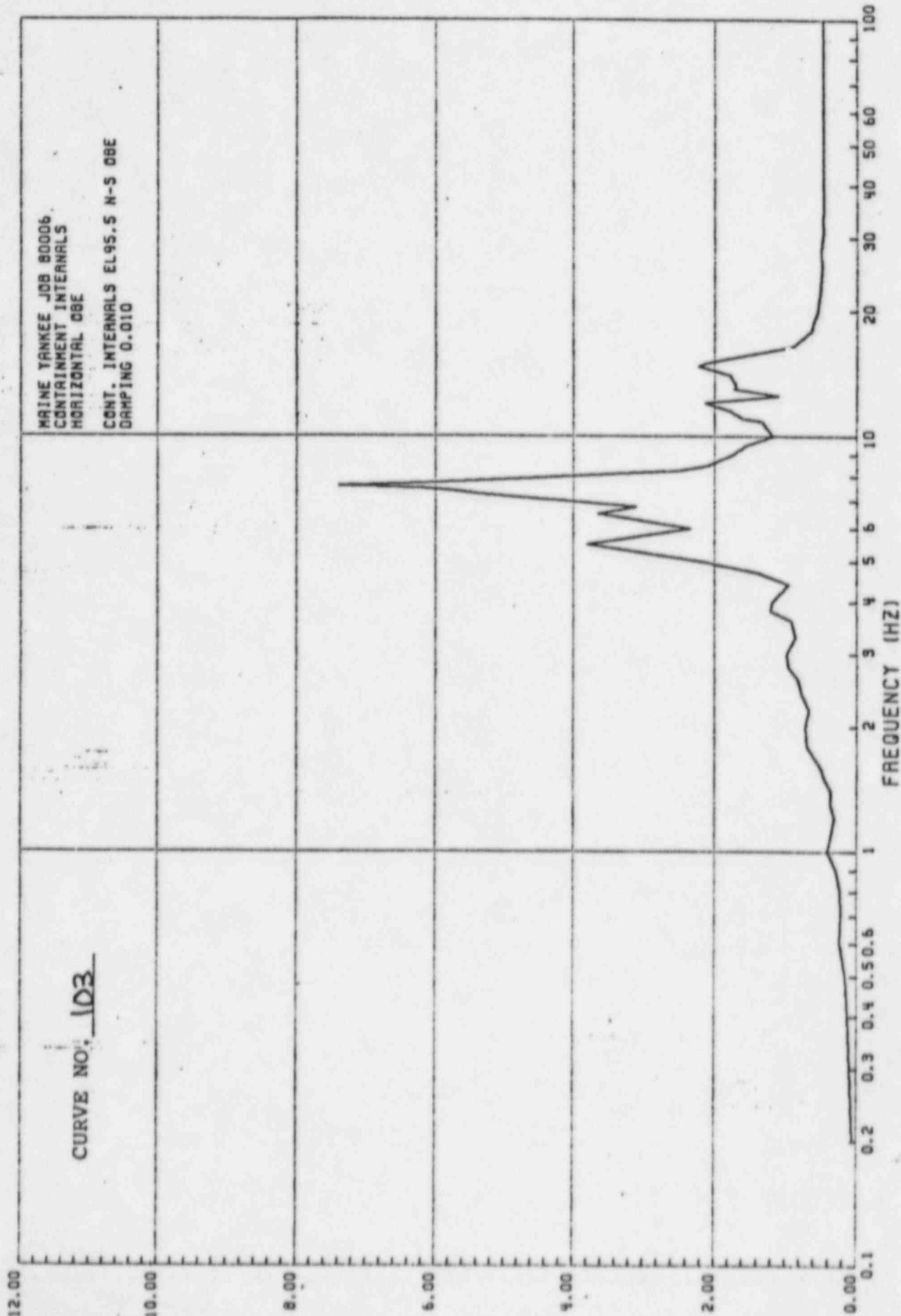
FOR INFORMATION ONLY

EES

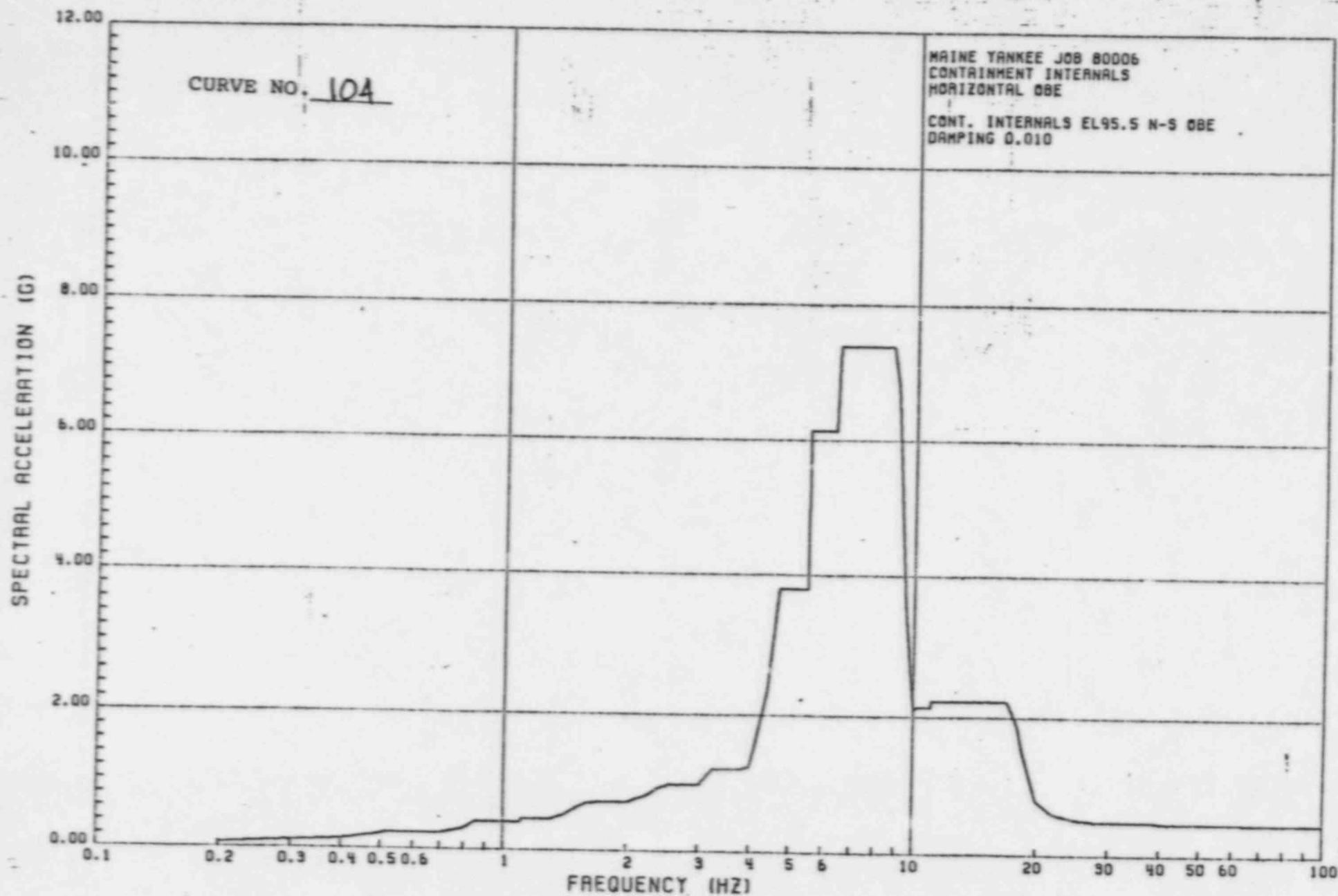
CURVE NO. 103

MAINE TANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE
CONT. INTERNALS EL 95.5 N-S OBE
DAMPING 0.010

SPECTRAL ACCELERATION (G)



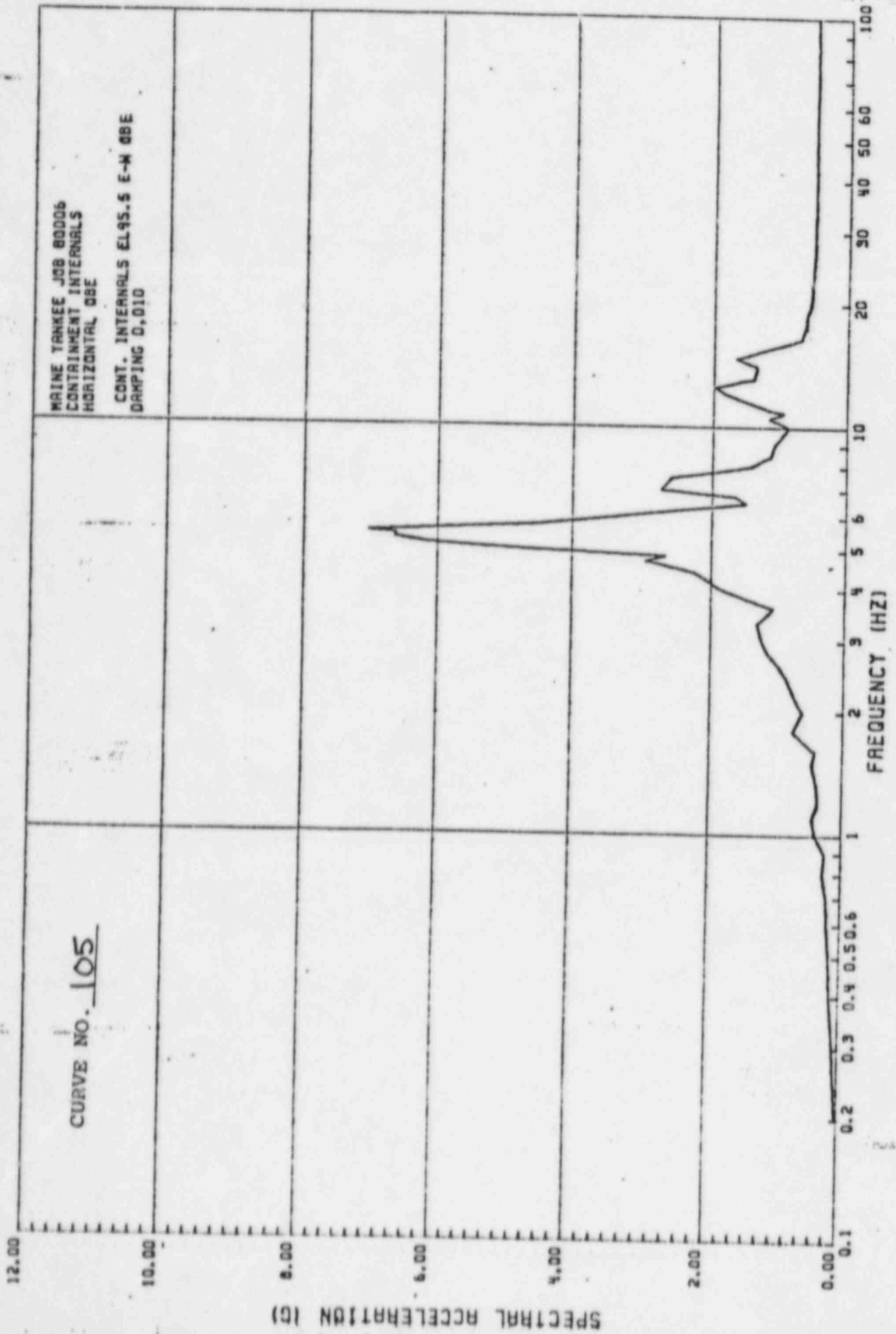
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FOR INFORMATION ONLY

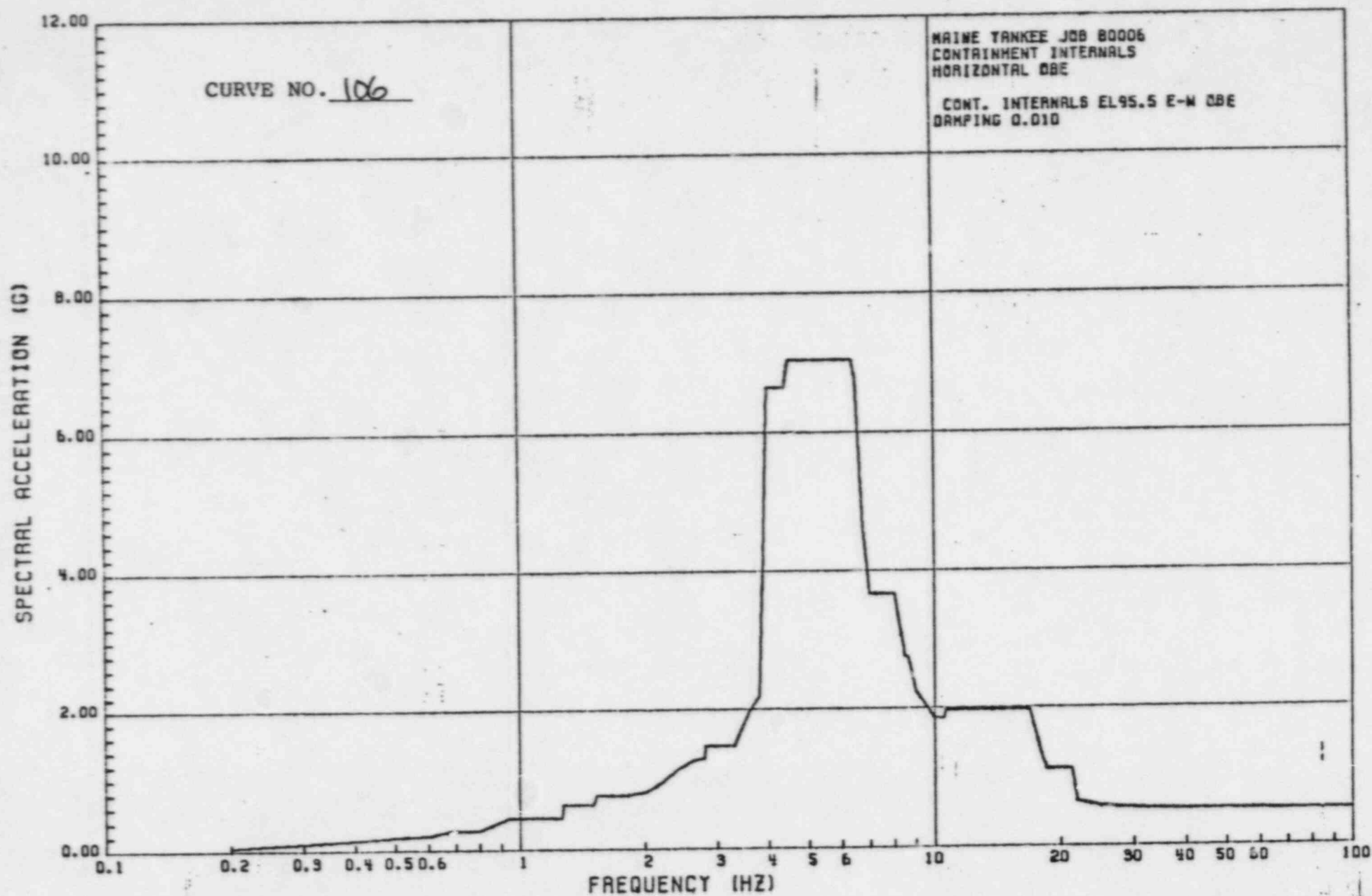
FOR INFORMATION ONLY

EES



EARTHQUAKE ENGINEERING SYSTEMS

EES

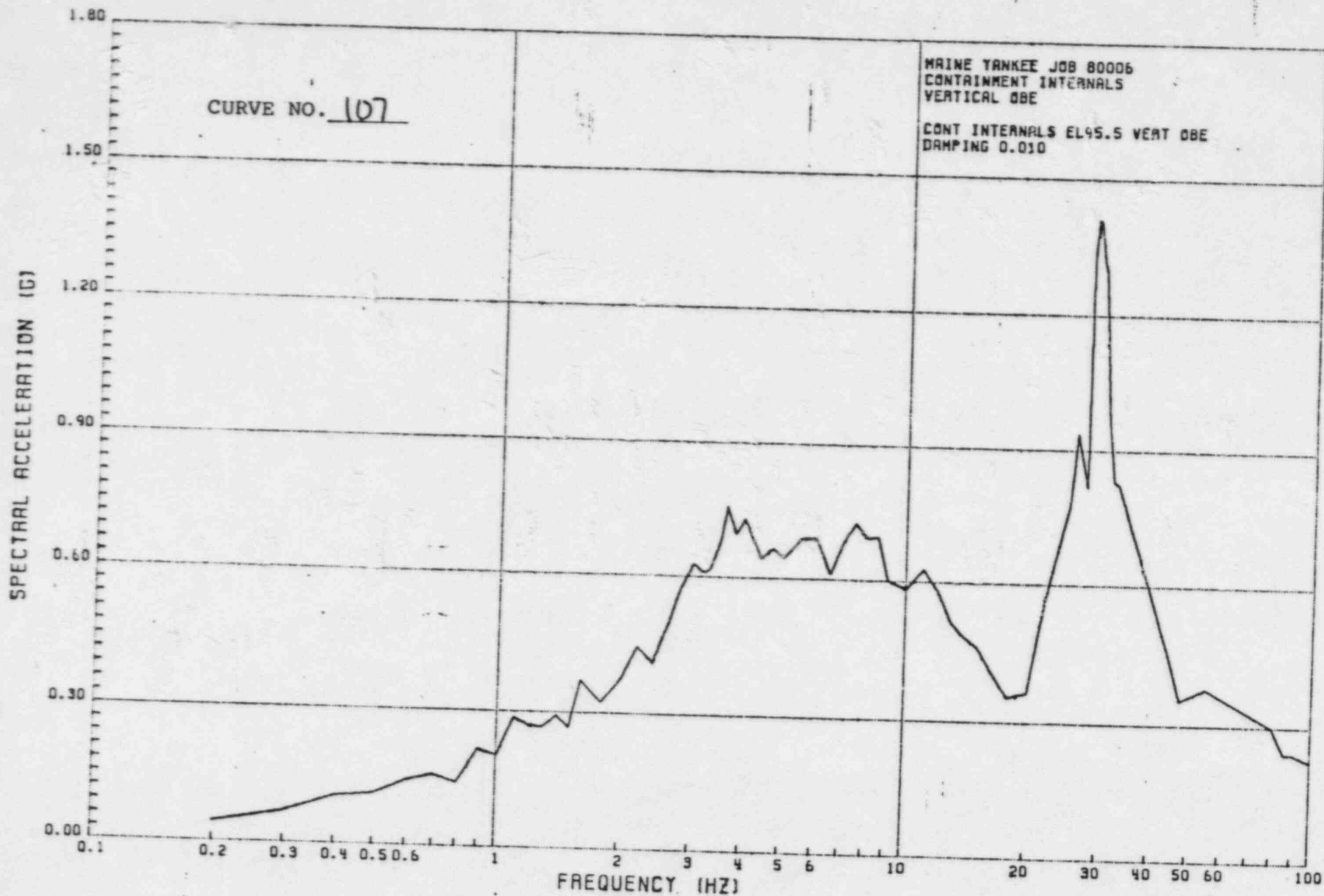


EES

CURVE NO. 107

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL OBE

CONT INTERNALS EL95.5 VERT OBE
DAMPING 0.010



EARTHQUAKE ENGINEERING SYSTEMS

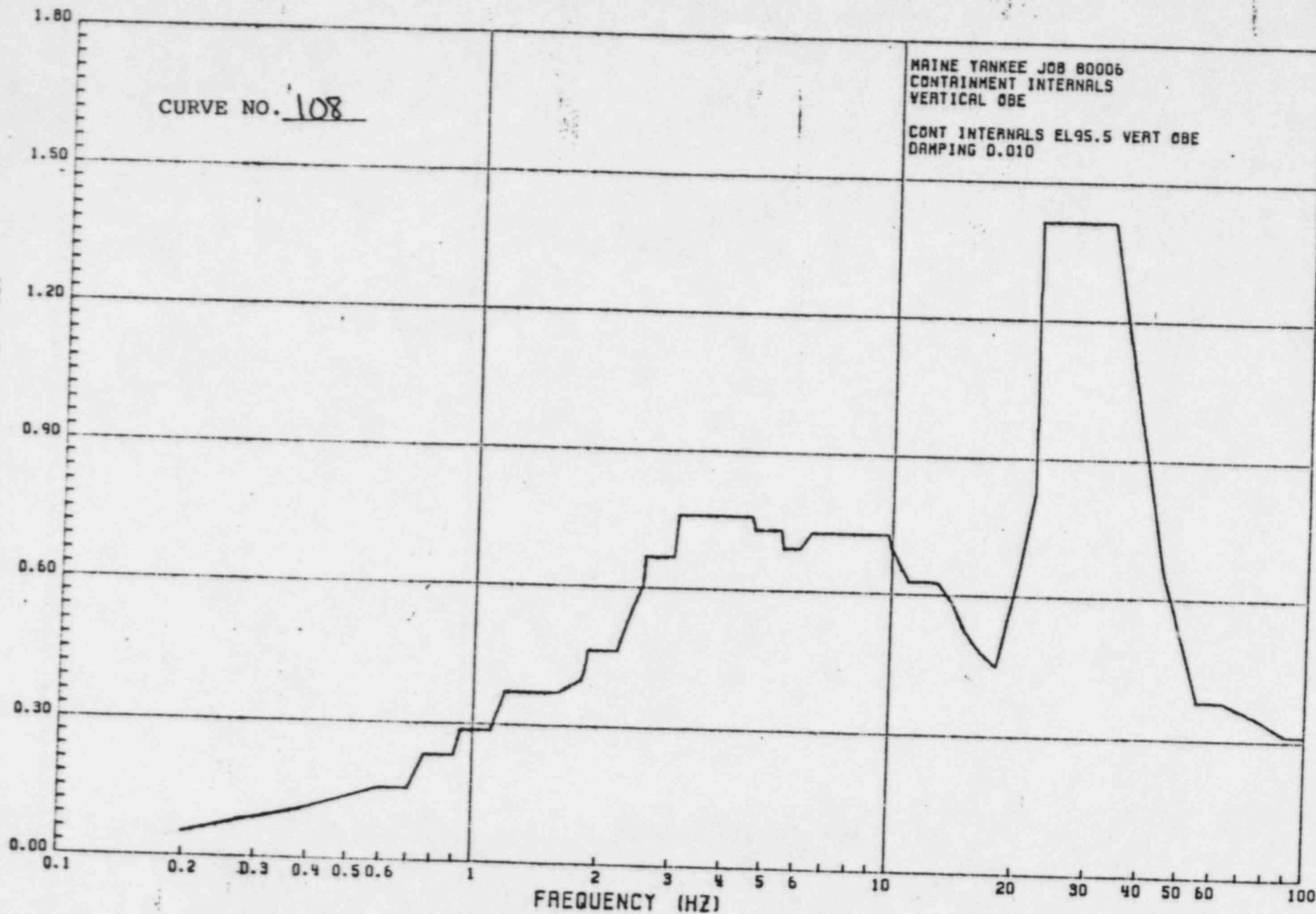
EES

CURVE NO. 108

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL OBE

CONT INTERNALS EL95.5 VERT OBE
DAMPING 0.010

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY ONLY

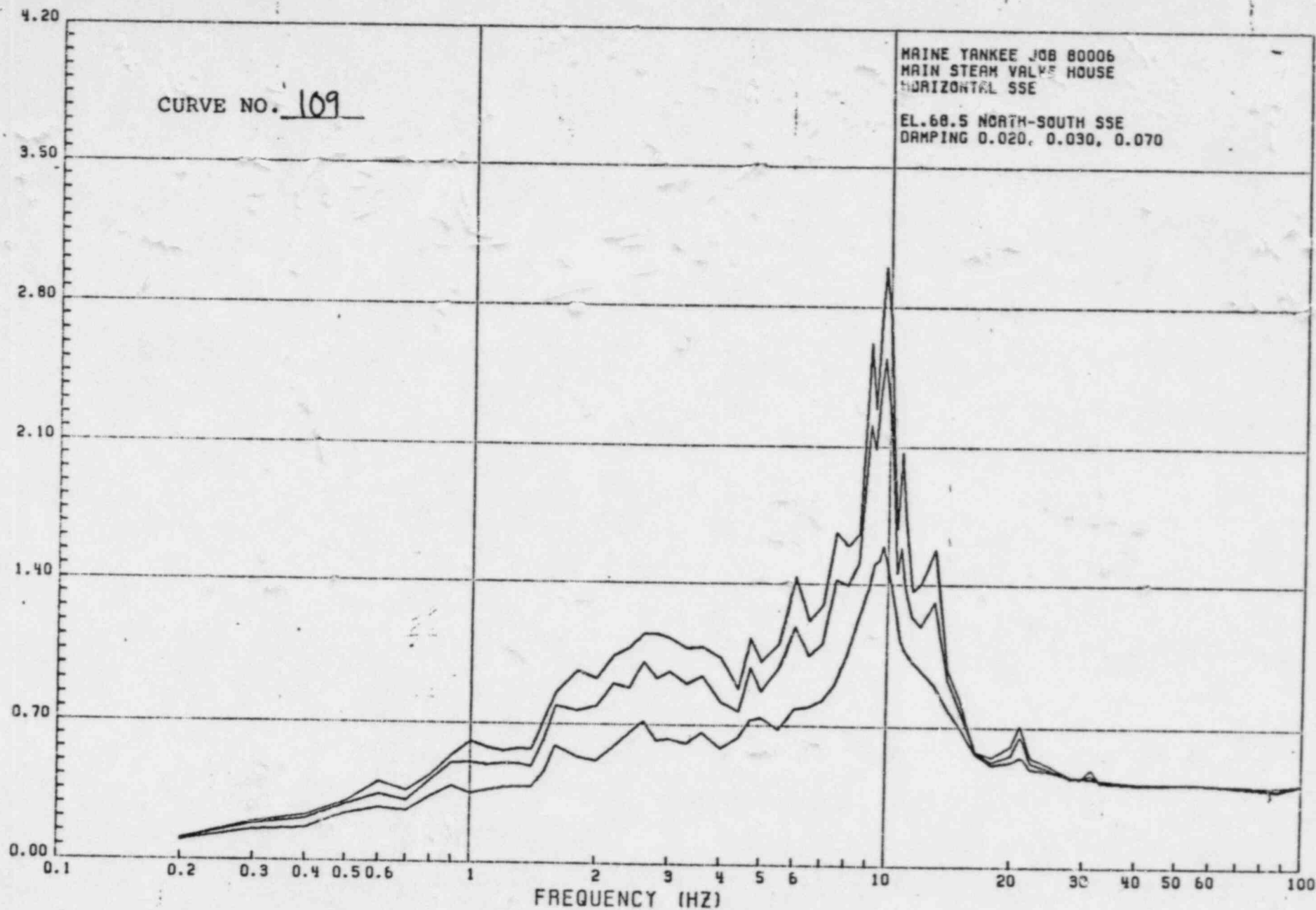
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 109

MAINE YANKEE JOB 80006
MAIN STEAM VALVE HOUSE
HORIZONTAL SSE
EL. 68.5 NORTH-SOUTH SSE
DAMPING 0.020, 0.030, 0.070

SPECTRAL ACCELERATION (G)



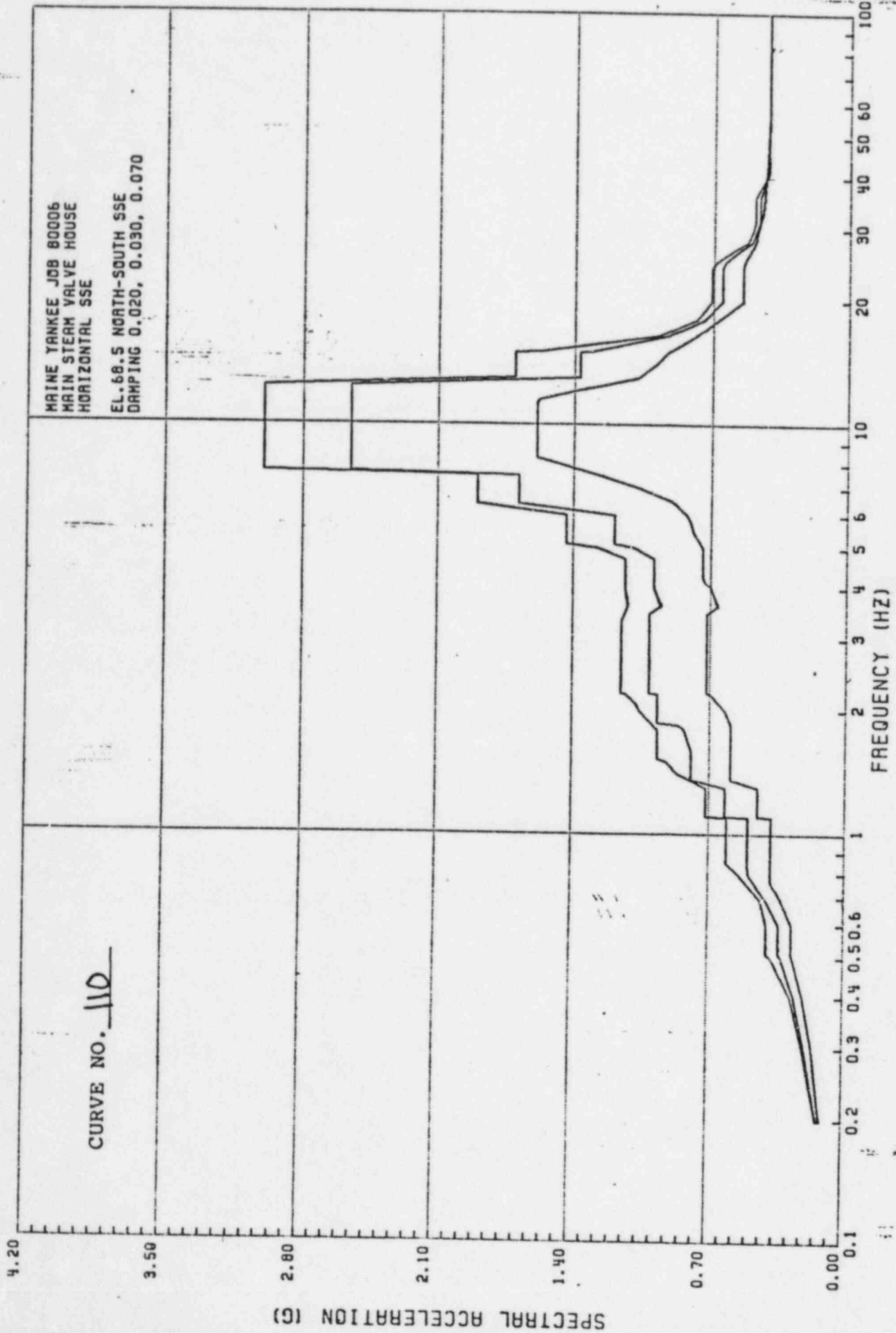
FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES

CURVE NO. 110



EARTHQUAKE ENGINEERING SYSTEMS

EES

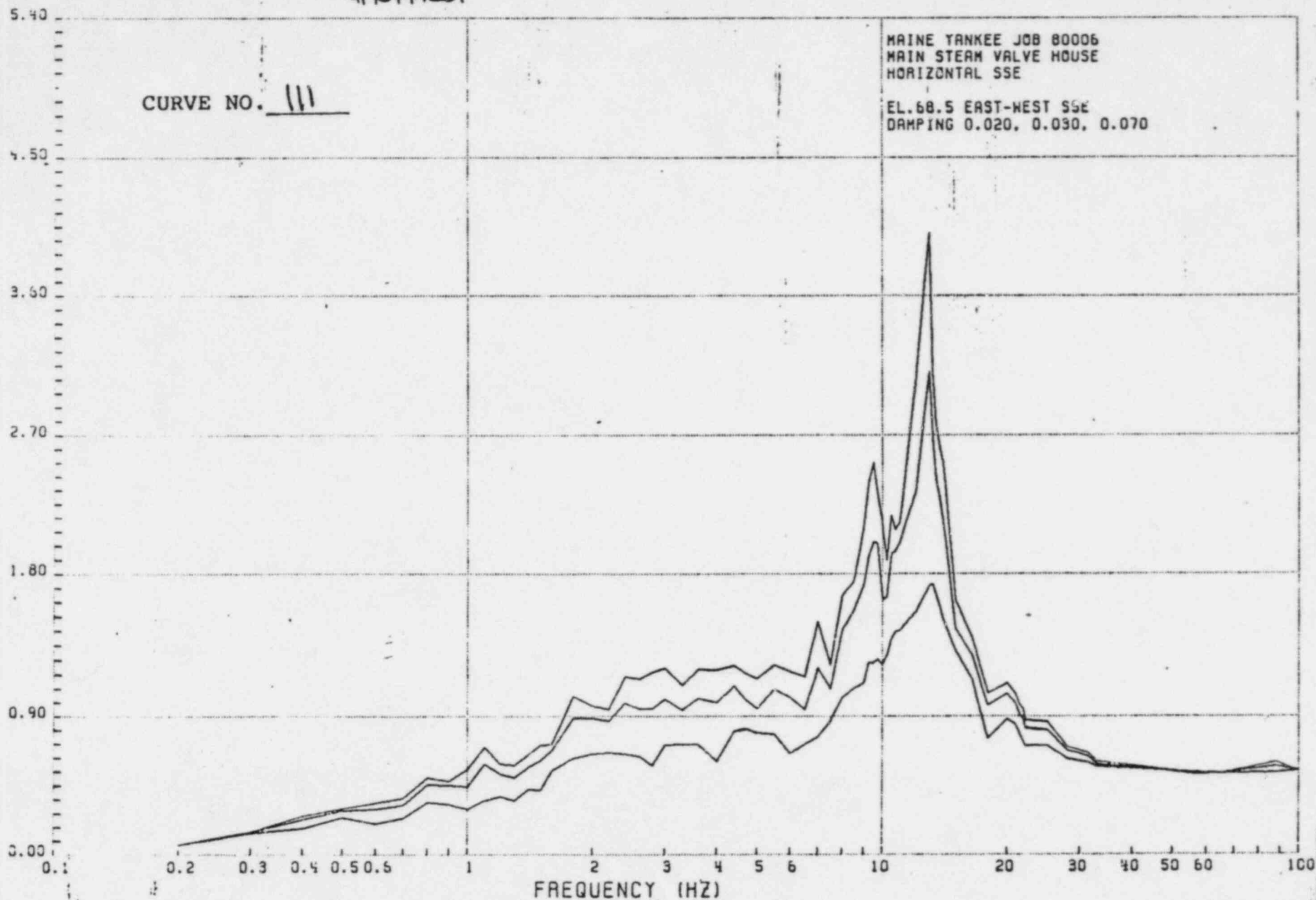
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CURVE NO. III

MAINE YANKEE JOB 80006
MAIN STEAM VALVE HOUSE
HORIZONTAL SSE

EL. 68.5 EAST-WEST SSE
DAMPING 0.020, 0.030, 0.070

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

EES

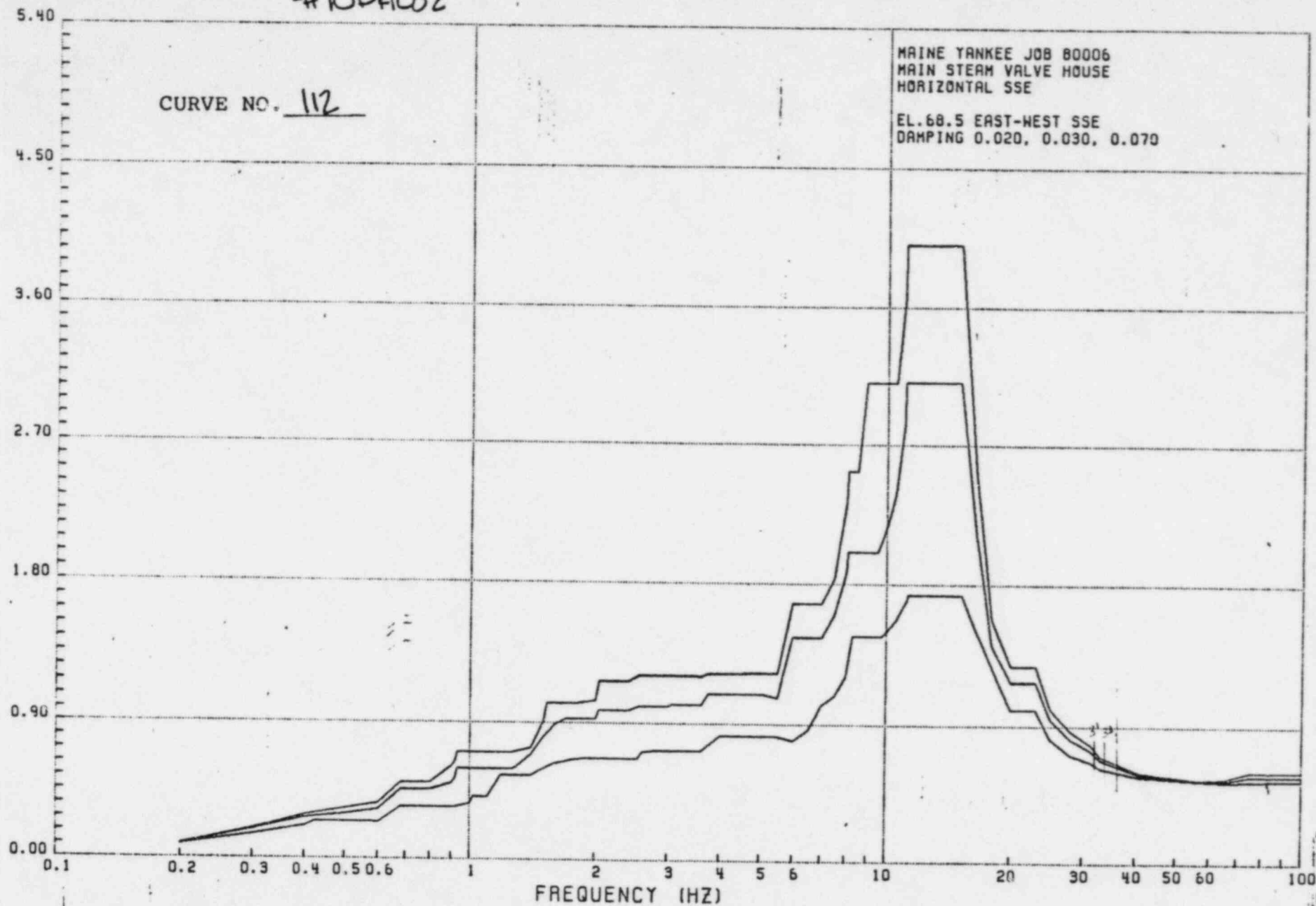
#WDFILOZ

CURVE NO. 112

MAINE YANKEE JOB 80006
MAIN STEAM VALVE HOUSE
HORIZONTAL SSE

EL. 68.5 EAST-WEST SSE
DAMPING 0.020, 0.030, 0.070

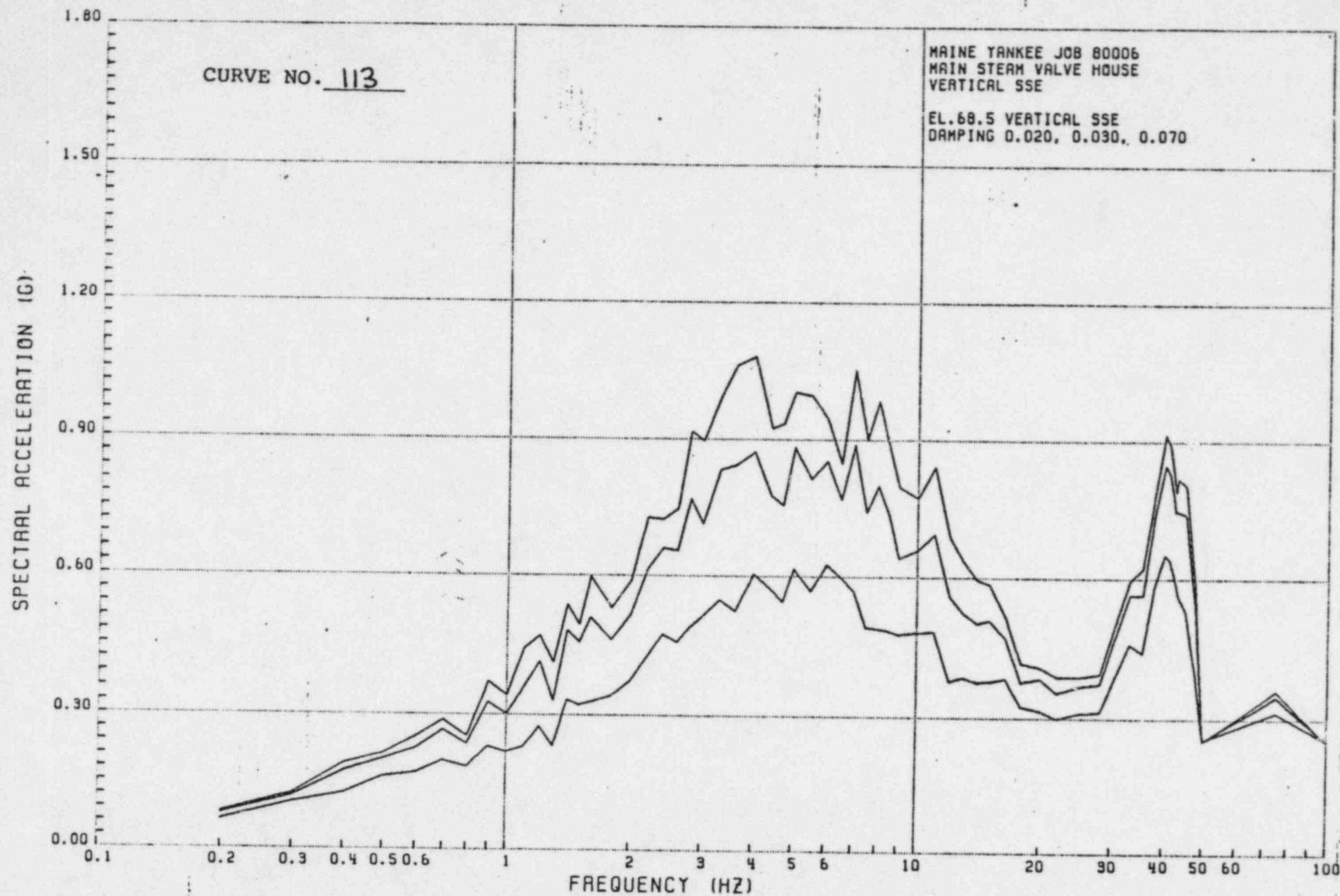
SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

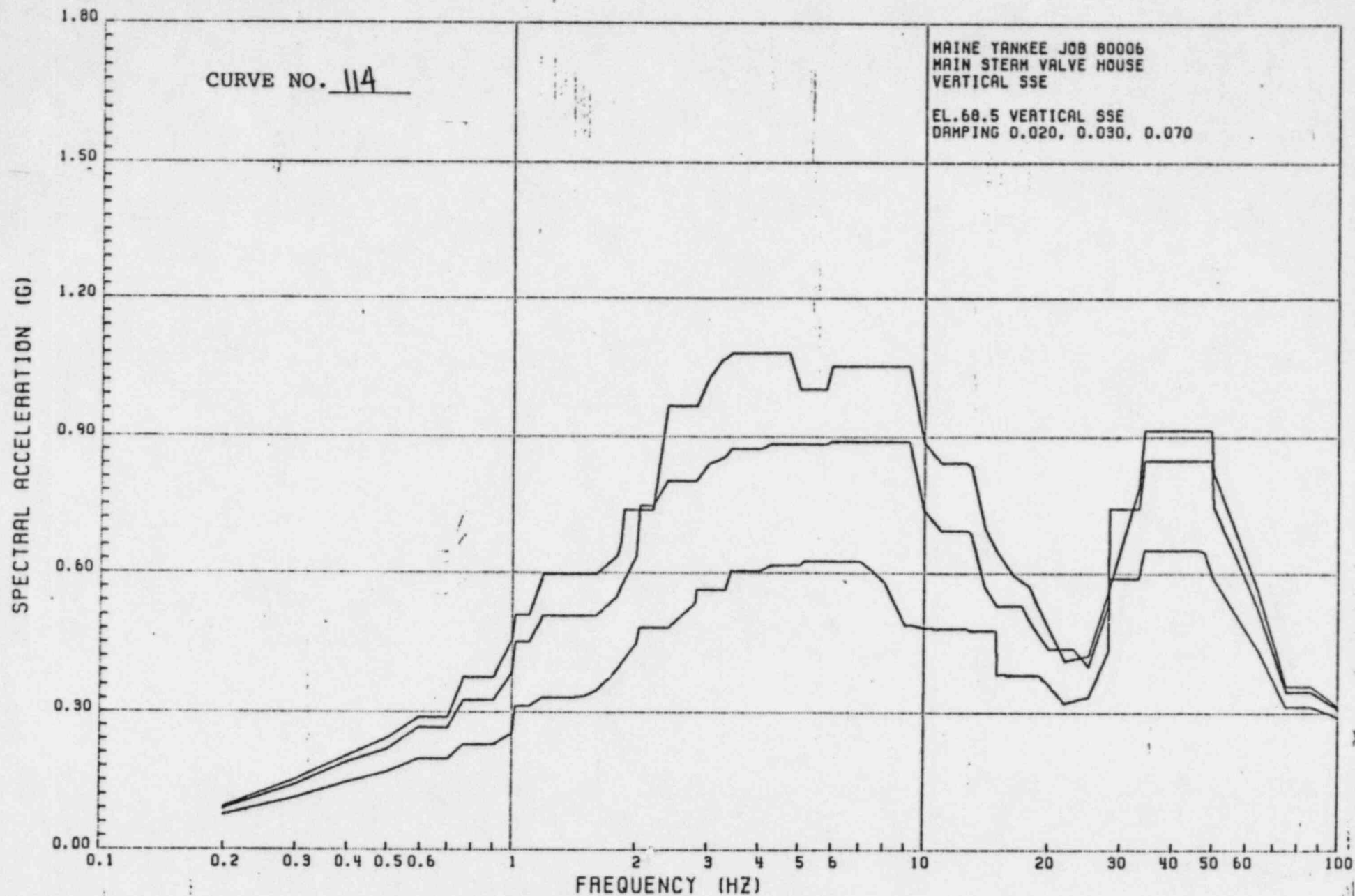
EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

EES

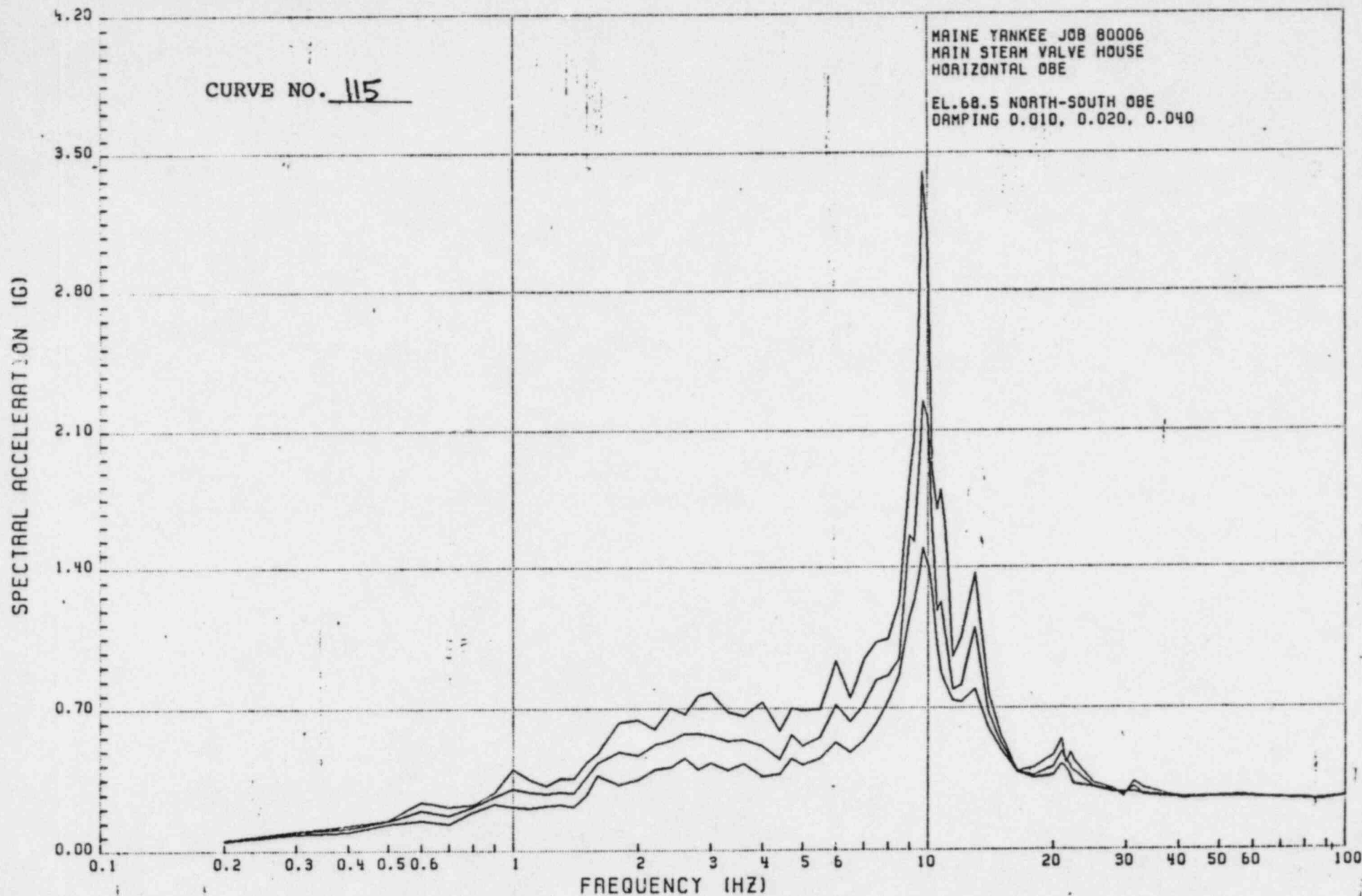


EES

CURVE NO. 115

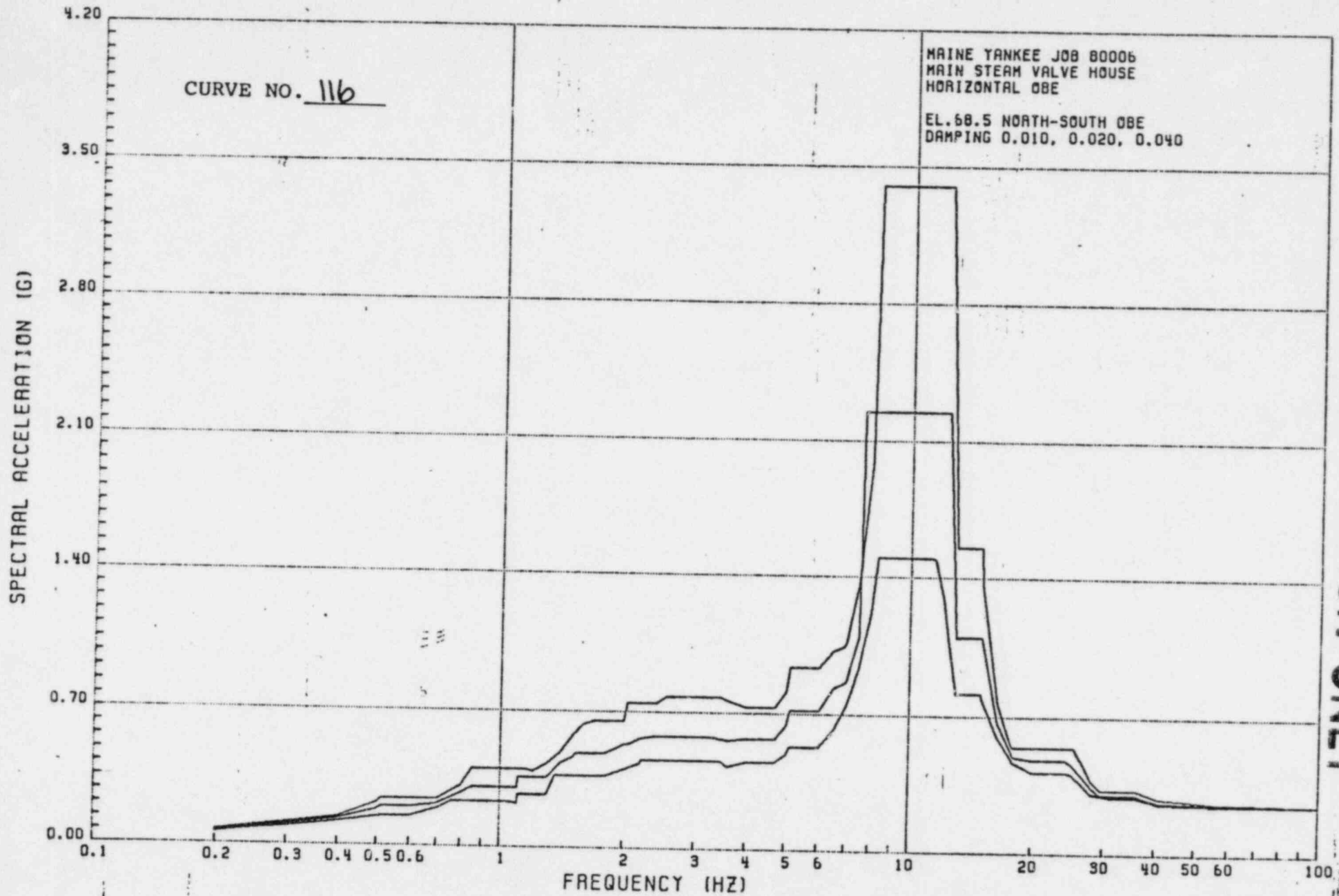
MAINE YANKEE JOB 80006
MAIN STEAM VALVE HOUSE
HORIZONTAL OBE

EL. 68.5 NORTH-SOUTH OBE
DAMPING 0.010, 0.020, 0.040



EARTHQUAKE ENGINEERING SYSTEMS

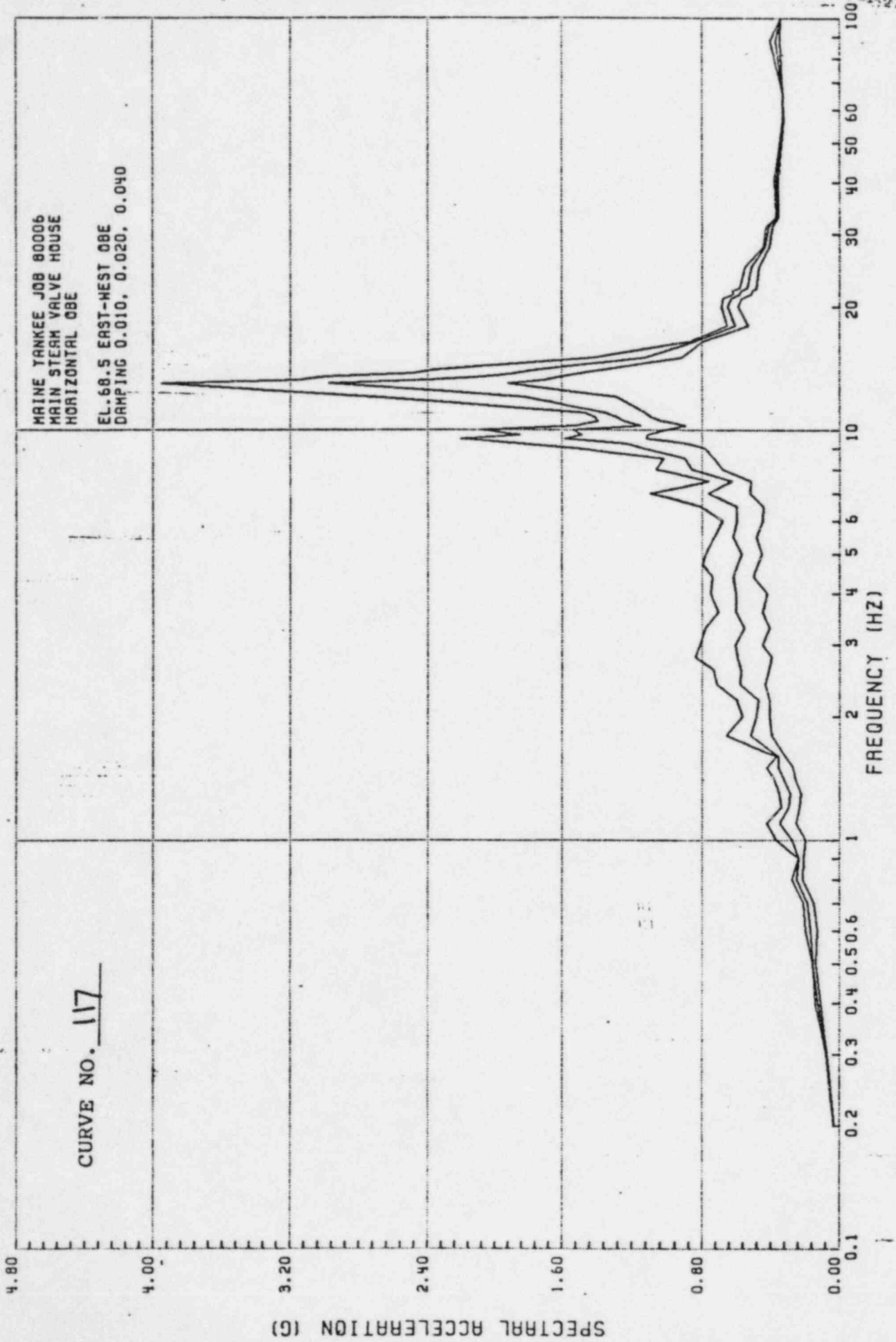
EES



FOR INFORMATION ONLY

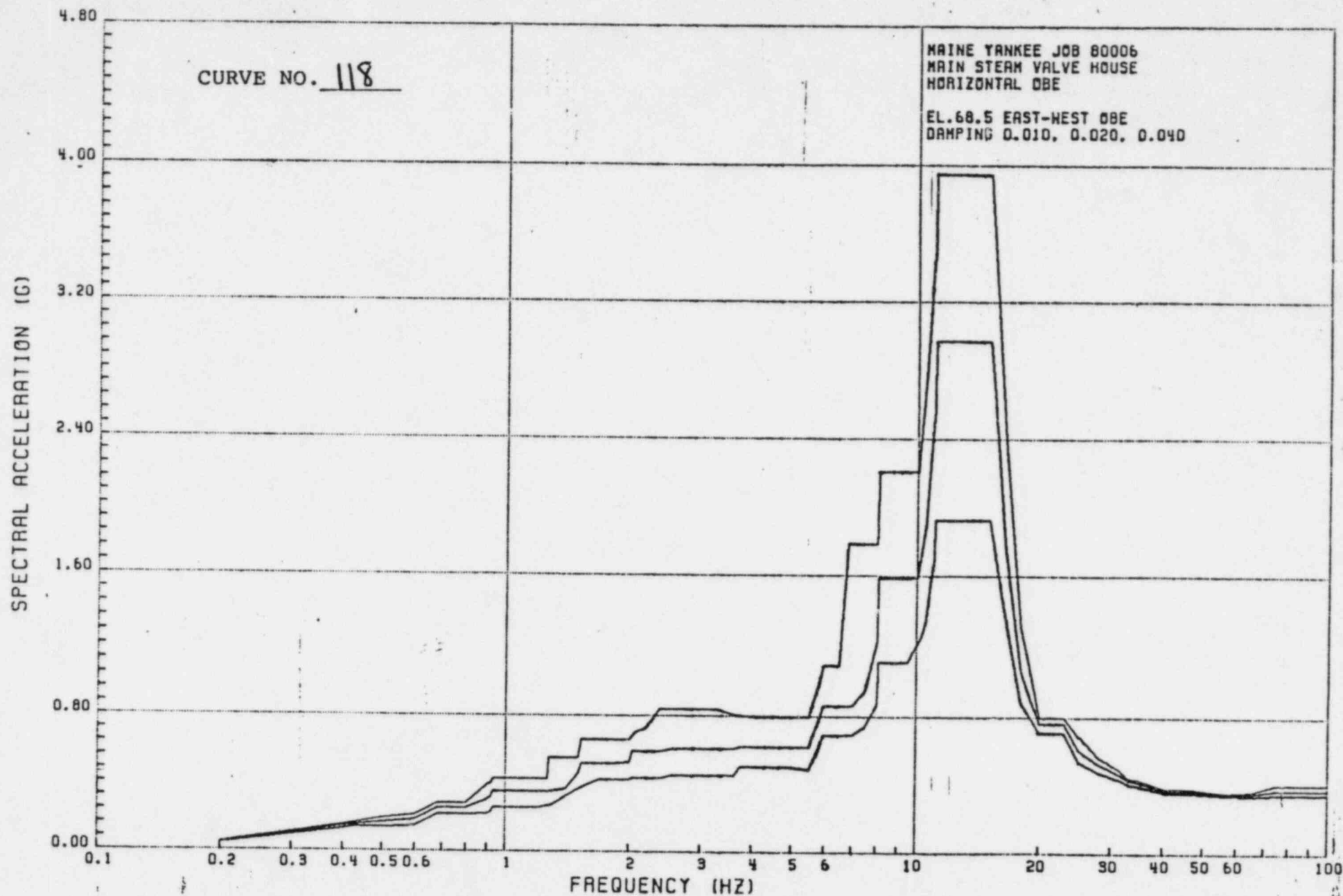
FOR INFORMATION ONLY

EES



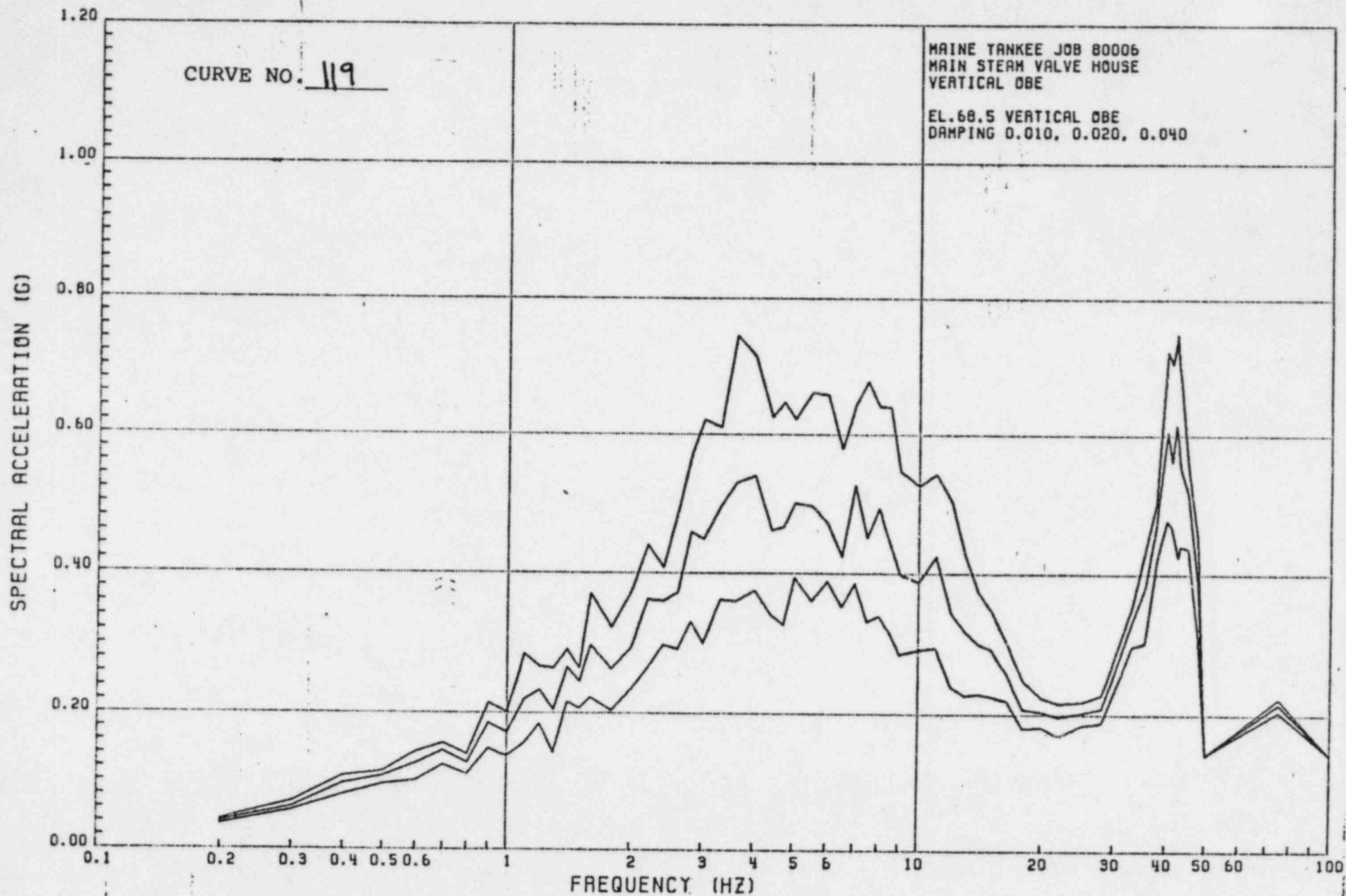
EARTHQUAKE ENGINEERING SYSTEMS

EES



EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

EES

CURVE NO. 120

1.20

1.00

SPECTRAL ACCELERATION (G)

0.80

0.60

0.40

0.20

0.00

MAINE YANKEE JOB 80006
MAIN STEAM VALVE HOUSE
VERTICAL OBE

EL. 68.5 VERTICAL OBE
DAMPING 0.010, 0.020, 0.040

FOR INFORMATION ONLY

FREQUENCY (HZ)

0.2 0.3 0.4 0.5 0.6 1

2

3

4

5

6

10

20

30

40

50

60

100

EARTHQUAKE ENGINEERING SYSTEMS

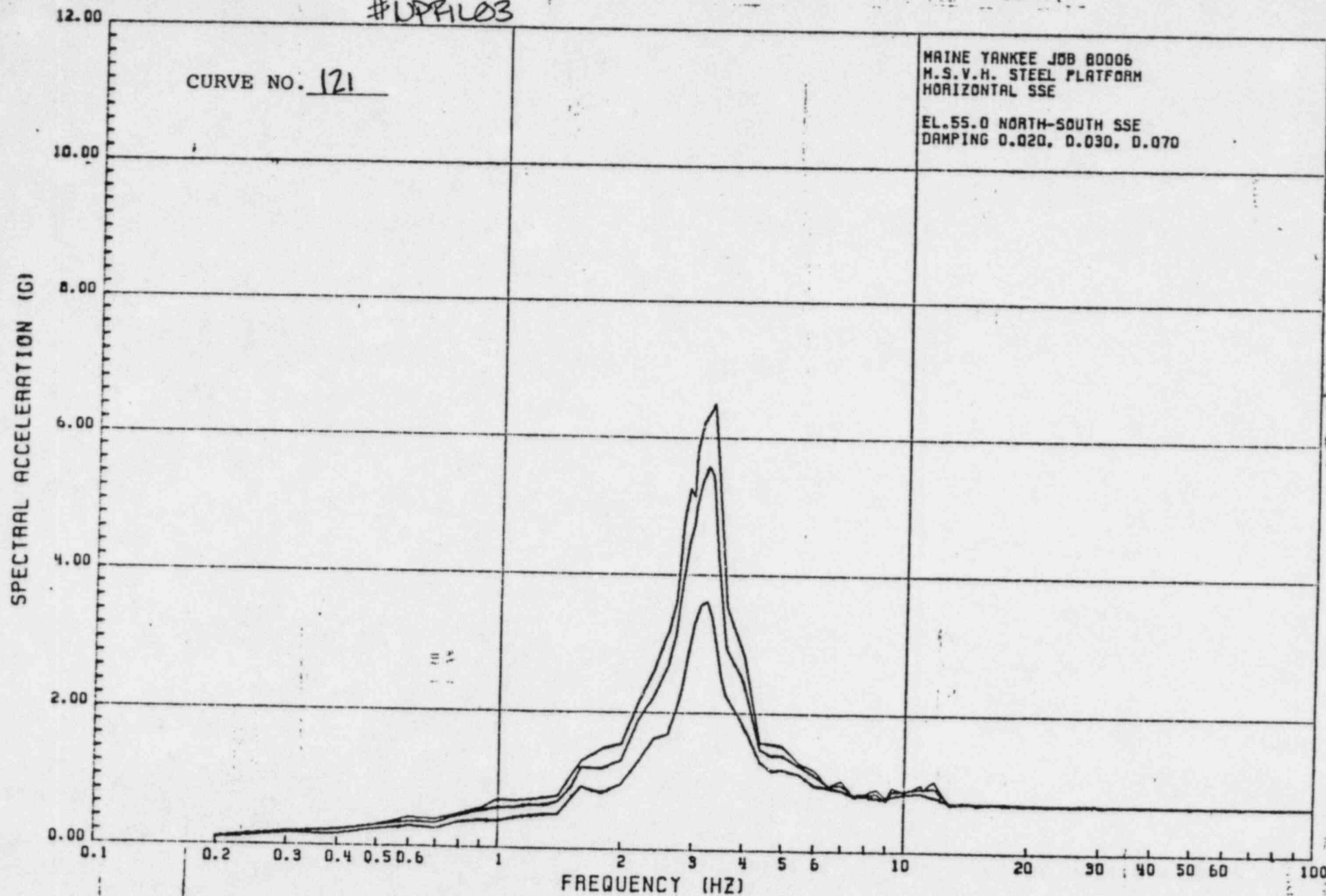
EES

#UPR103

CURVE NO. 121

MAINE YANKEE JOB 80006
M.S.V.H. STEEL PLATFORM
HORIZONTAL SSE

EL. 55.0 NORTH-SOUTH SSE
DAMPING 0.020, 0.030, 0.070



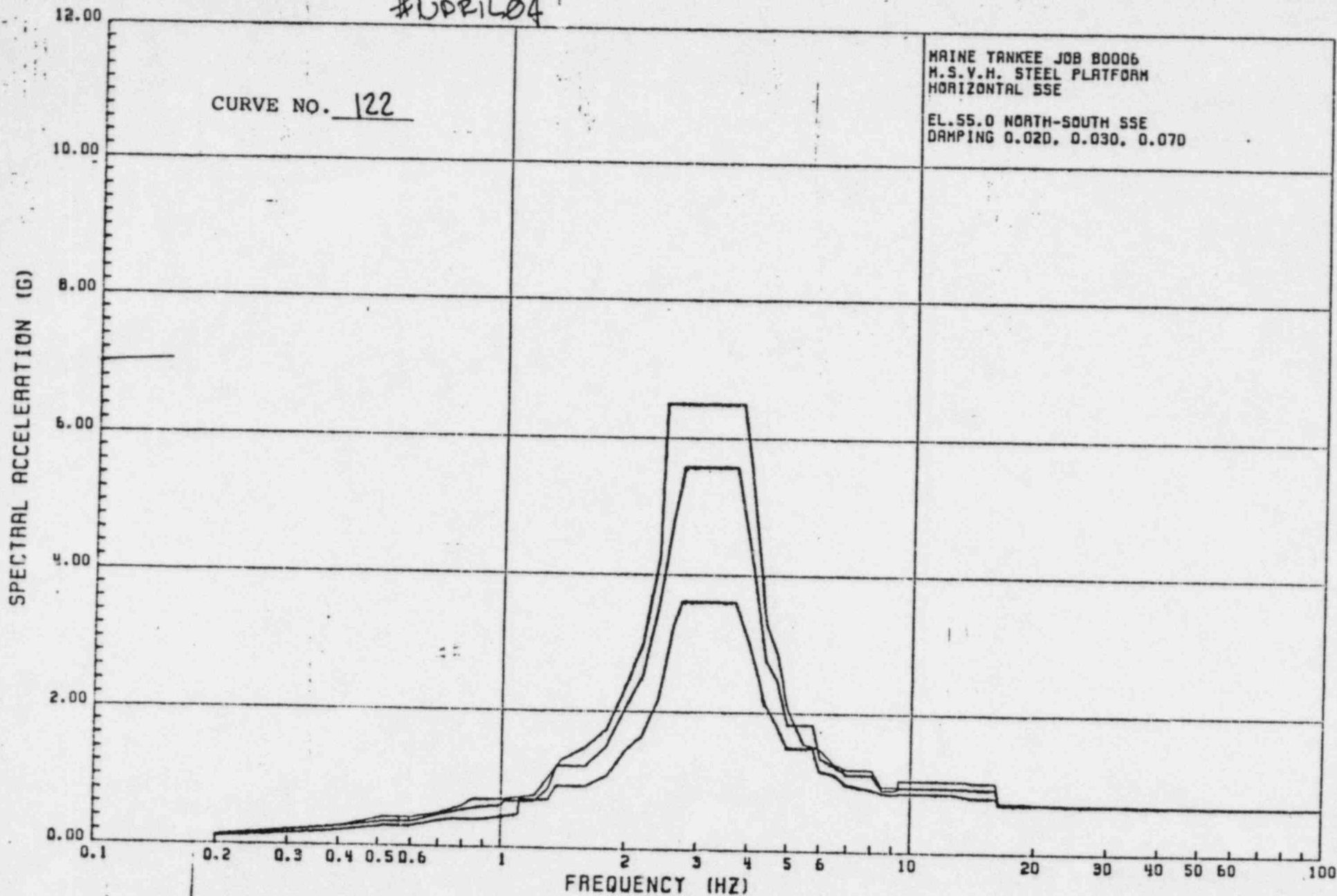
INFORMATION ONLY

EES

#UDR1404

CURVE NO. 122

MAINE TANKEE JOB 80006
M.S.V.H. STEEL PLATFORM
HORIZONTAL SSE
EL. 55.0 NORTH-SOUTH SSE
DAMPING 0.020, 0.030, 0.070



FOR INFORMATION ONLY

EES

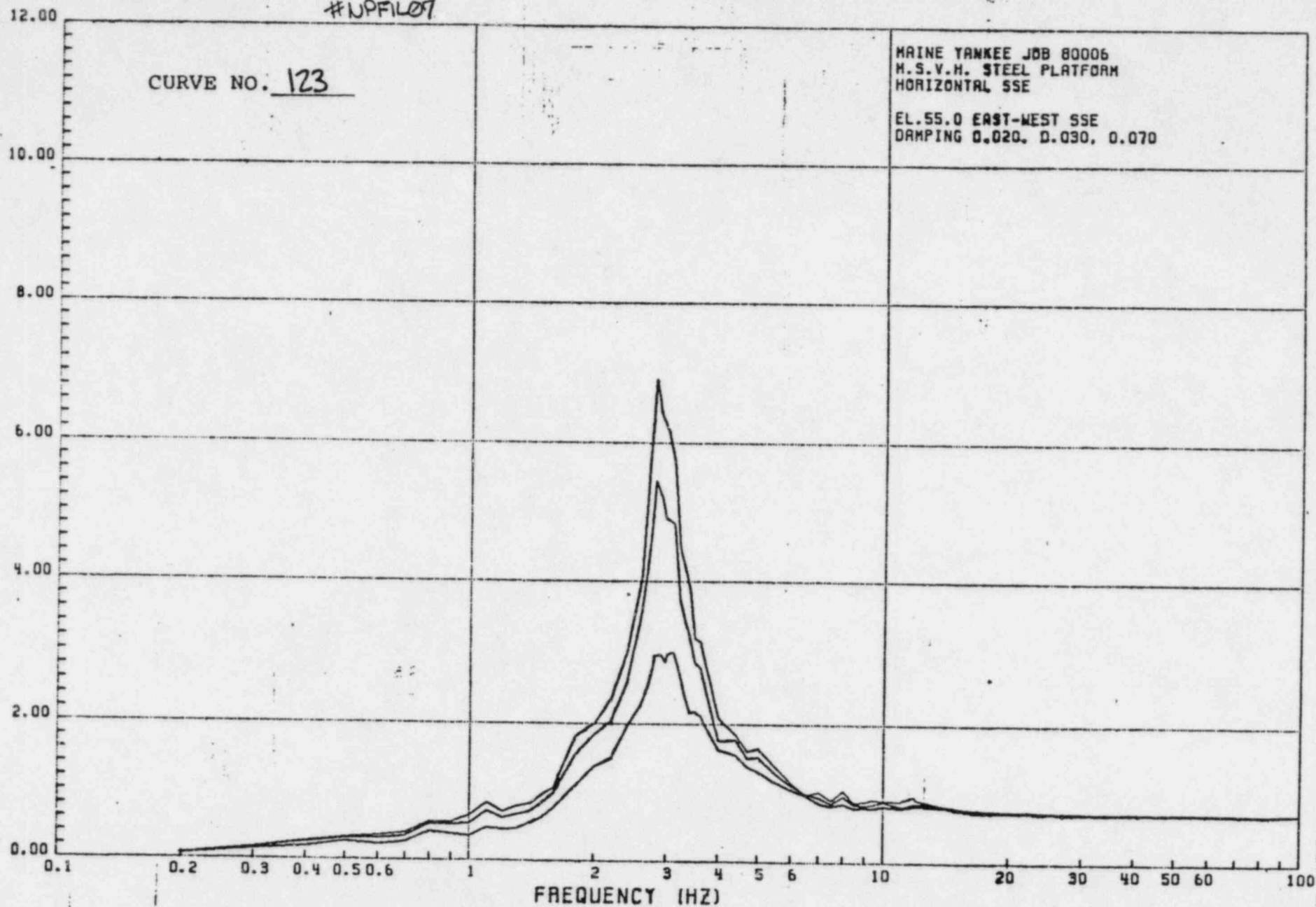
#NPF107

CURVE NO. 123

MAINE YANKEE JOB 80006
M.S.V.H. STEEL PLATFORM
HORIZONTAL SSE

EL.55.0 EAST-WEST SSE
DAMPING 0.020, 0.030, 0.070

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

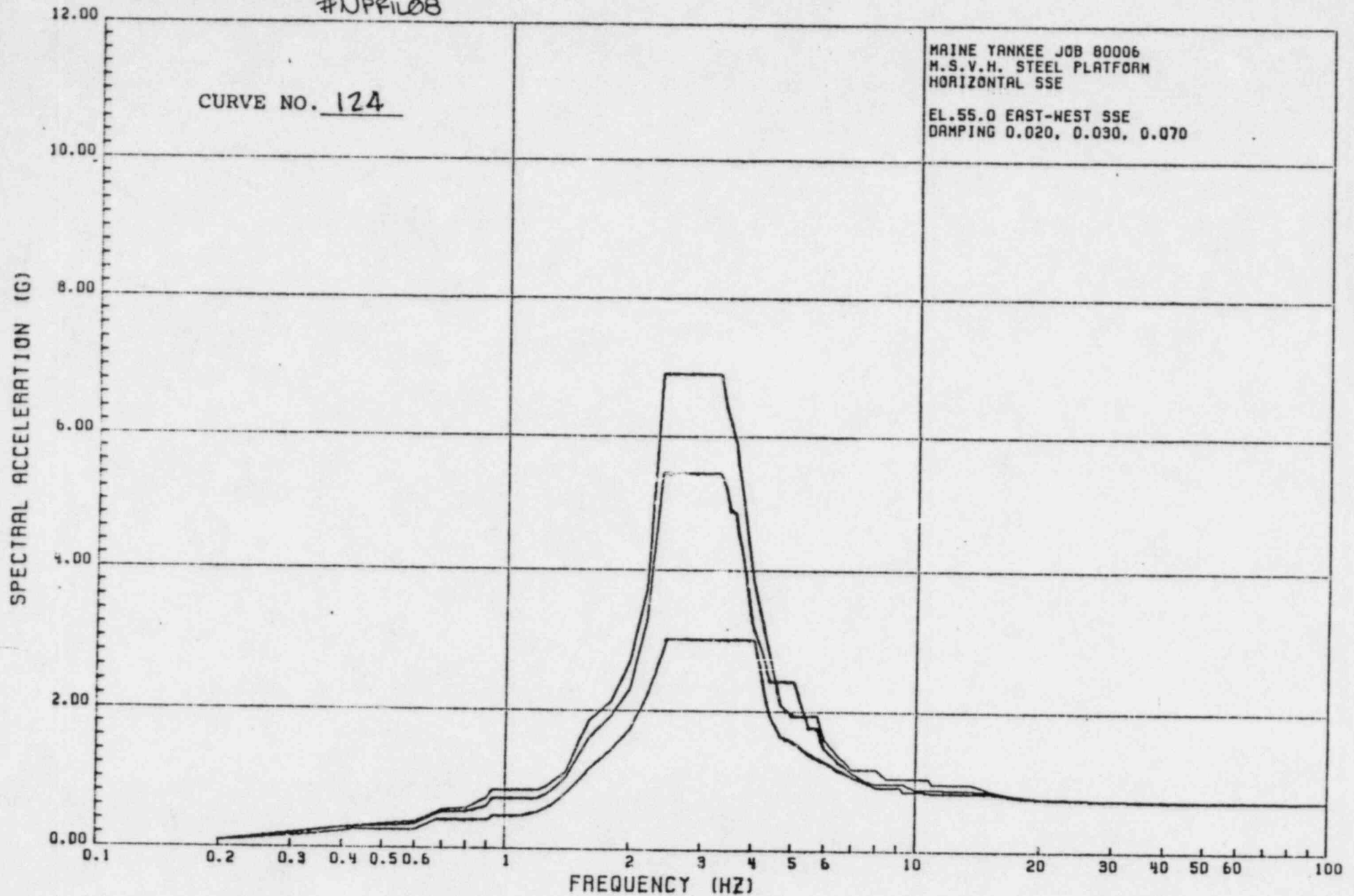
EARTHQUAKE ENGINEERING SYSTEMS

EES

#NPFIL08

CURVE NO. 124

MAINE YANKEE JOB 80006
H.S.V.H. STEEL PLATFORM
HORIZONTAL SSE
EL.55.0 EAST-WEST SSE
DAMPING 0.020, 0.030, 0.070



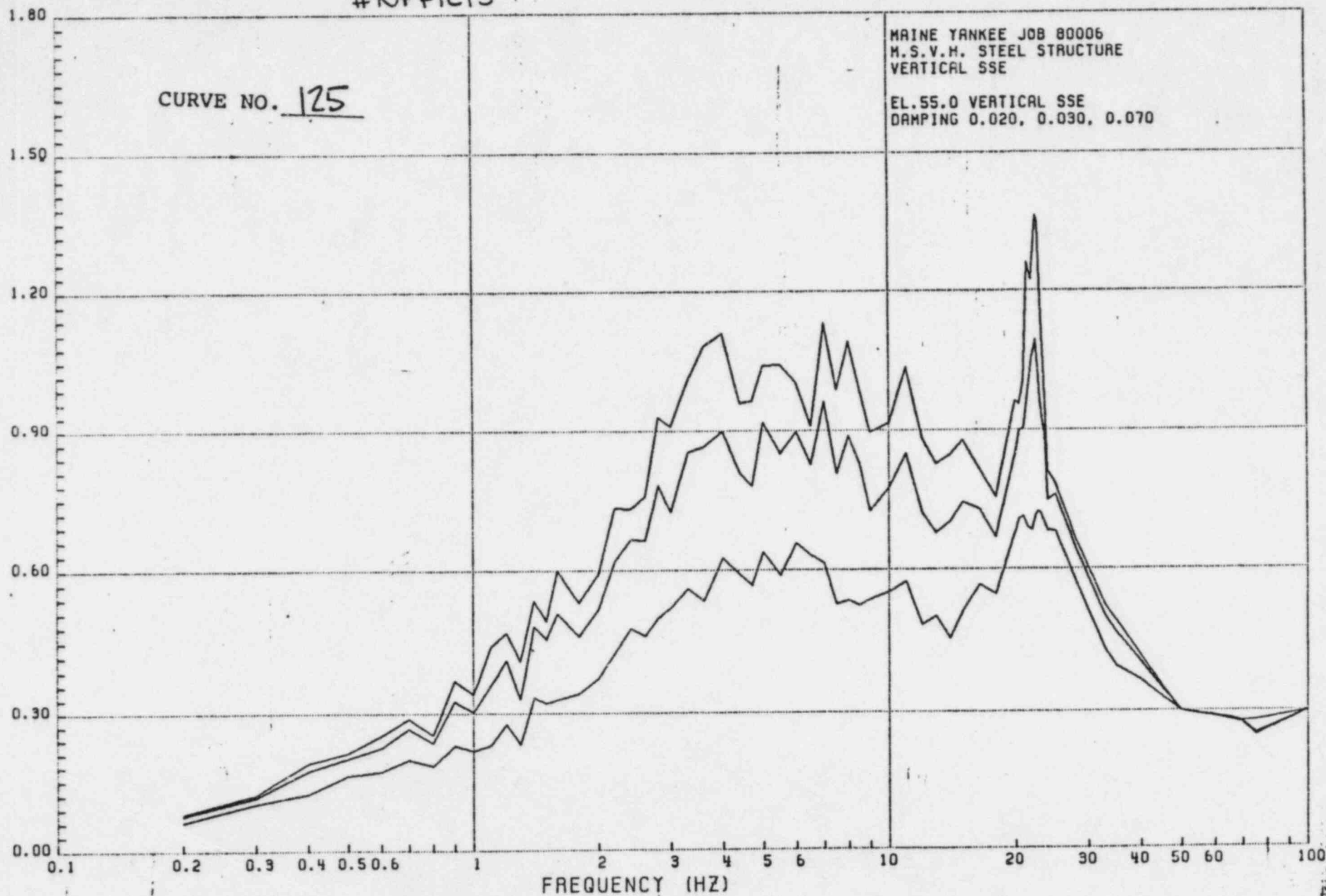
EES

#NPFIL15

CURVE NO. 125

MAINE YANKEE JOB 80006
M.S.V.H. STEEL STRUCTURE
VERTICAL SSE
EL.55.0 VERTICAL SSE
DAMPING 0.020, 0.030, 0.070

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

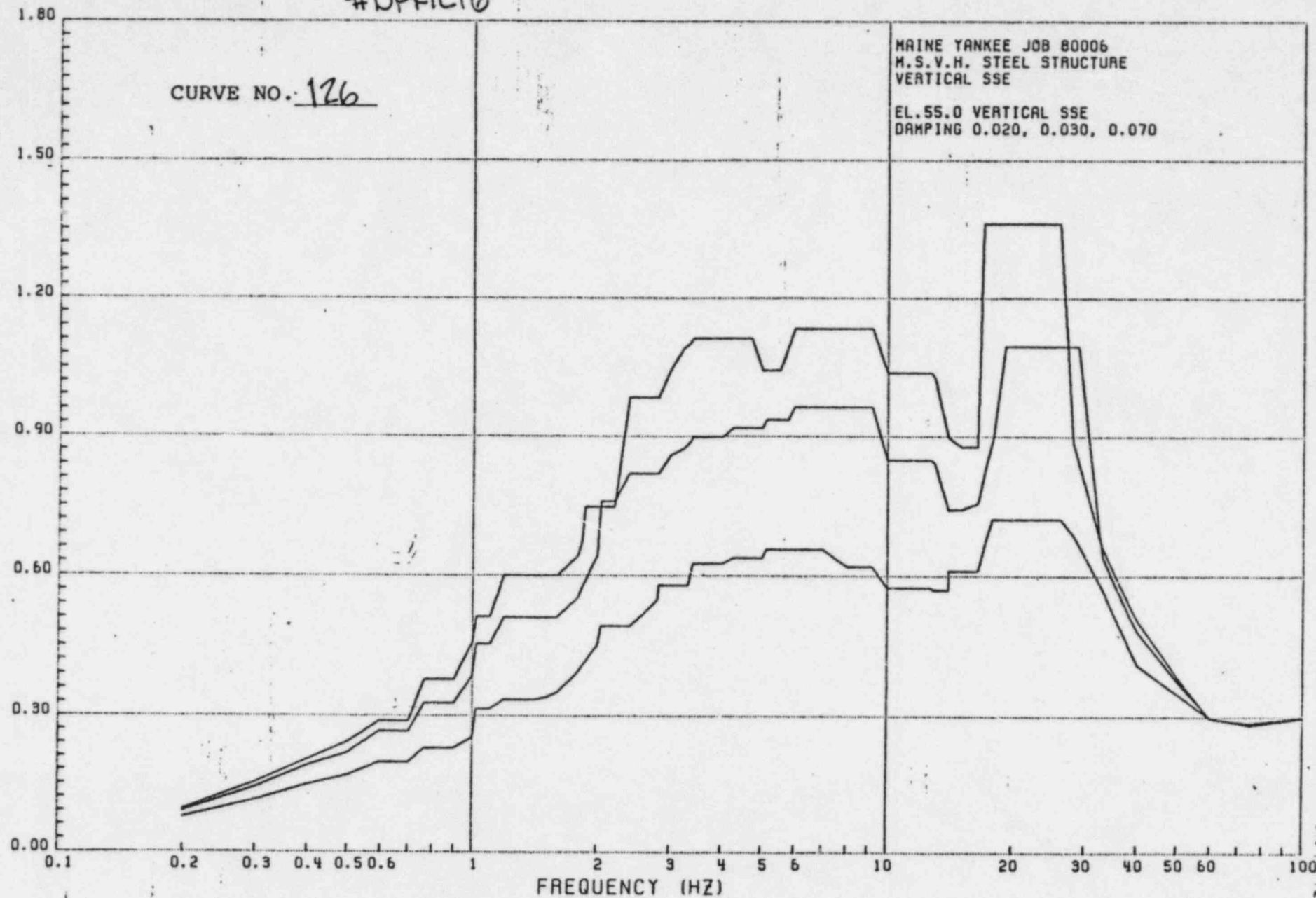
#UPRIL16

CURVE NO. 126

MAINE YANKEE JOB 80006
M.S.V.H. STEEL STRUCTURE
VERTICAL SSE

EL. 55.0 VERTICAL SSE
DAMPING 0.020, 0.030, 0.070

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

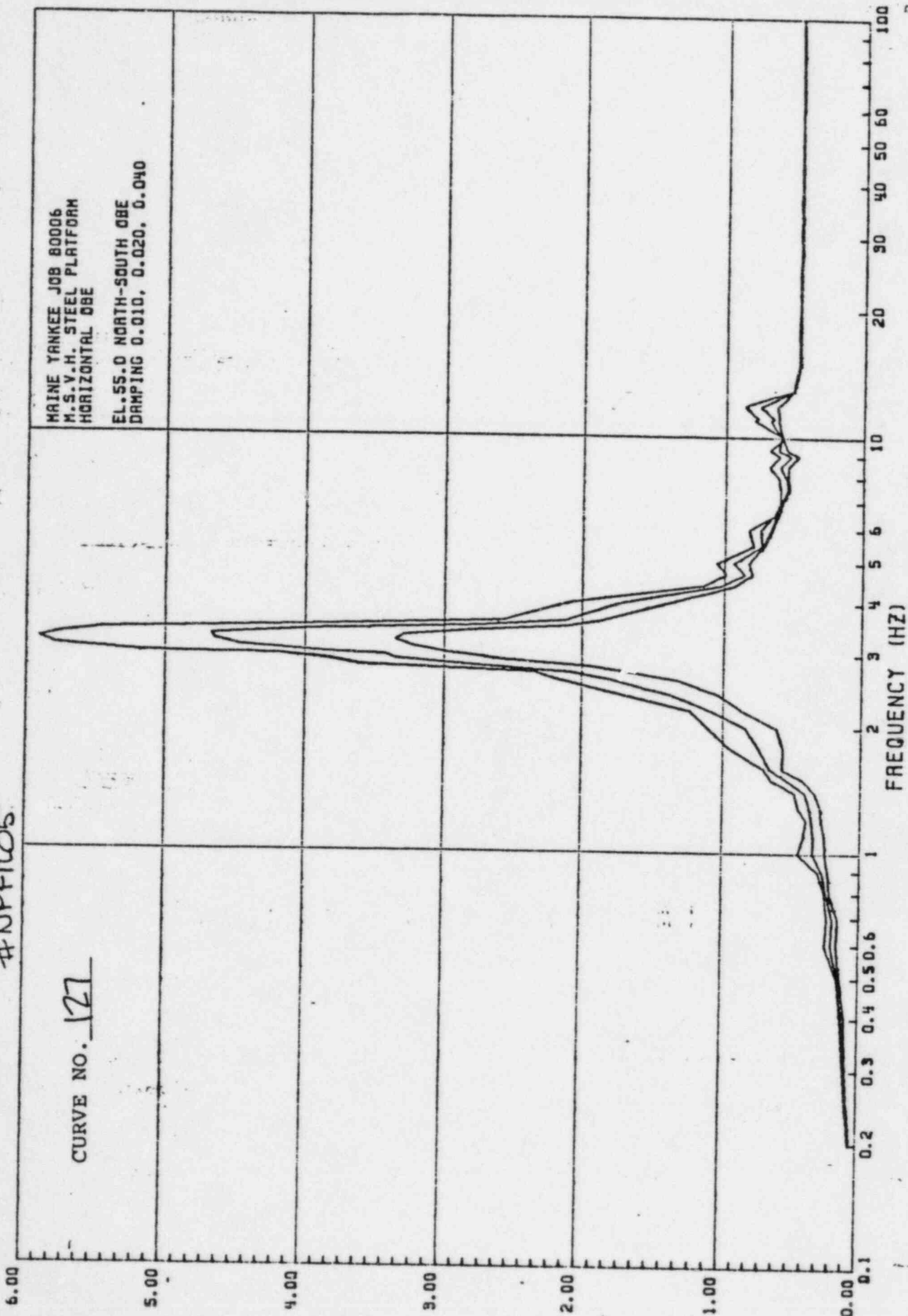
#NPP1105

CURVE NO. 127

MAINE YANKEE JOB 80006
M.S.V.H. STEEL PLATFORM
HORIZONTAL DBE

EL. 55.0 NORTH-SOUTH DBE
DAMPING 0.010, 0.020, 0.040

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

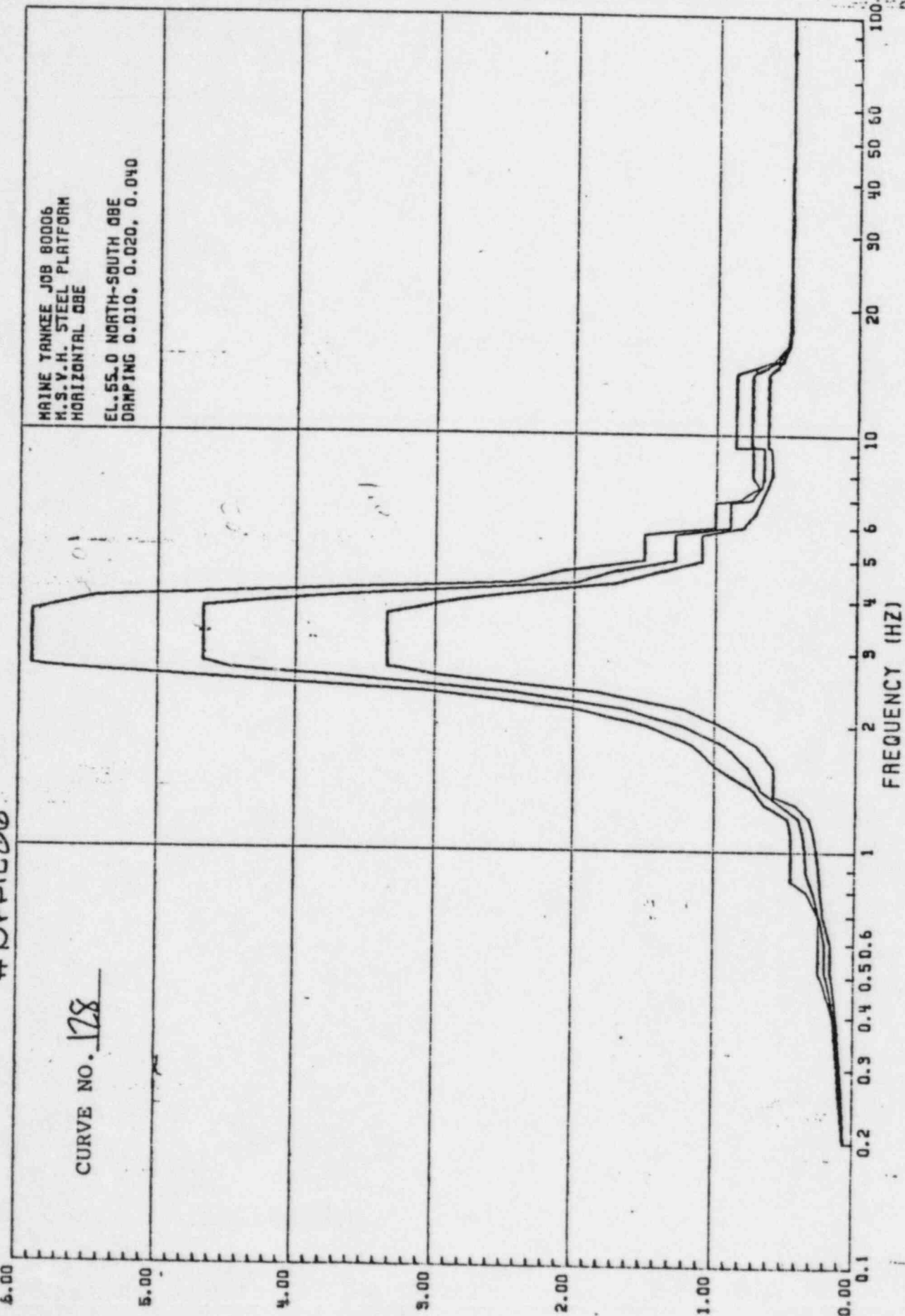
EES

#UPR1006

CURVE NO. 128

MAINE YANKEE JOB 80006
M.S.V.H. STEEL PLATFORM
HORIZONTAL DBE
EL. 55.0 NORTH-SOUTH DBE
DAMPING 0.010, 0.020, 0.040

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

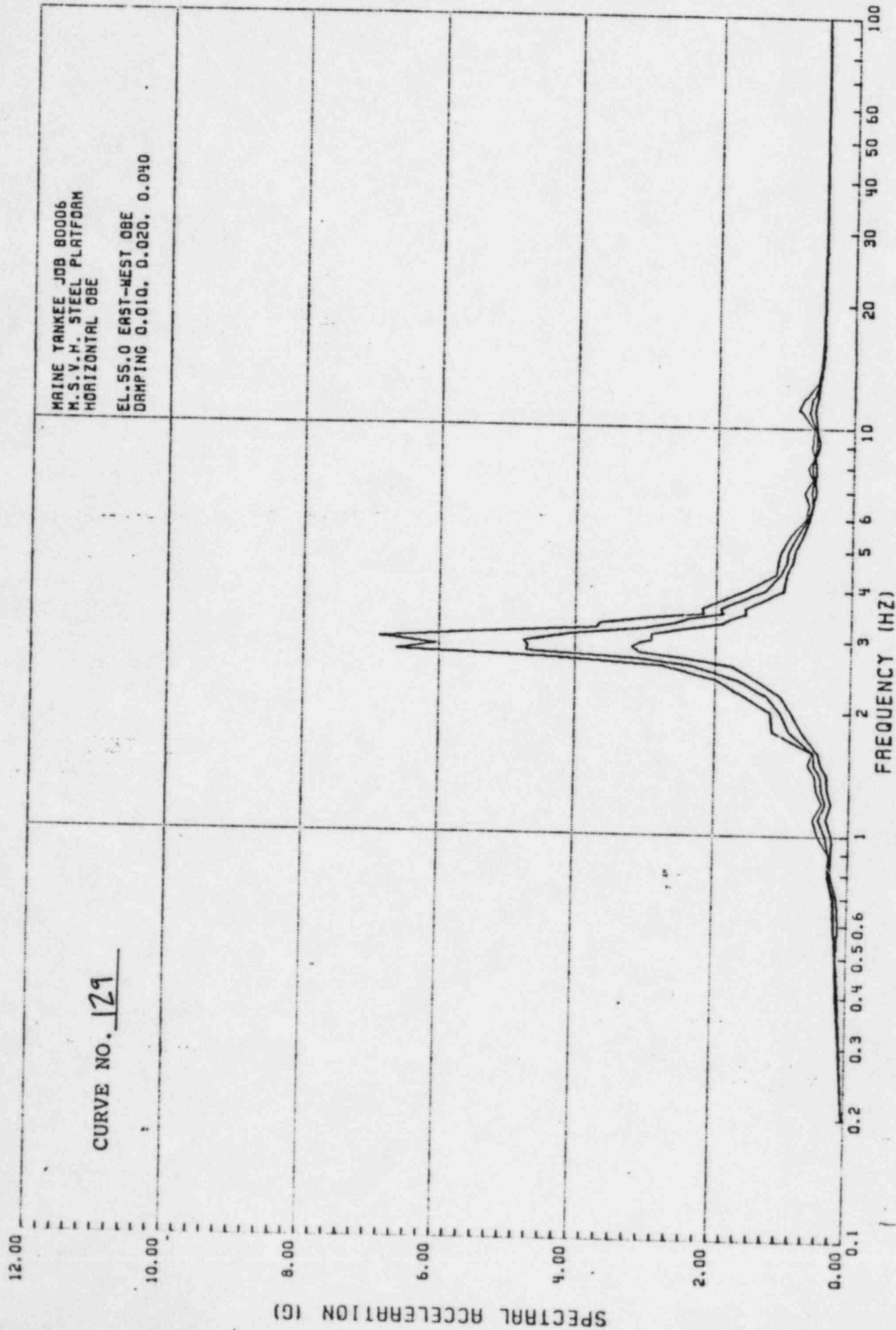
FOR INFORMATION ONLY

EES

CURVE NO. 129

MAINE YANKEE JOB 80006
M.S.V.M. STEEL PLATFORM
HORIZONTAL OBE

EL. 55.0 EAST-WEST OBE
DAMPING 0.010, 0.020, 0.040

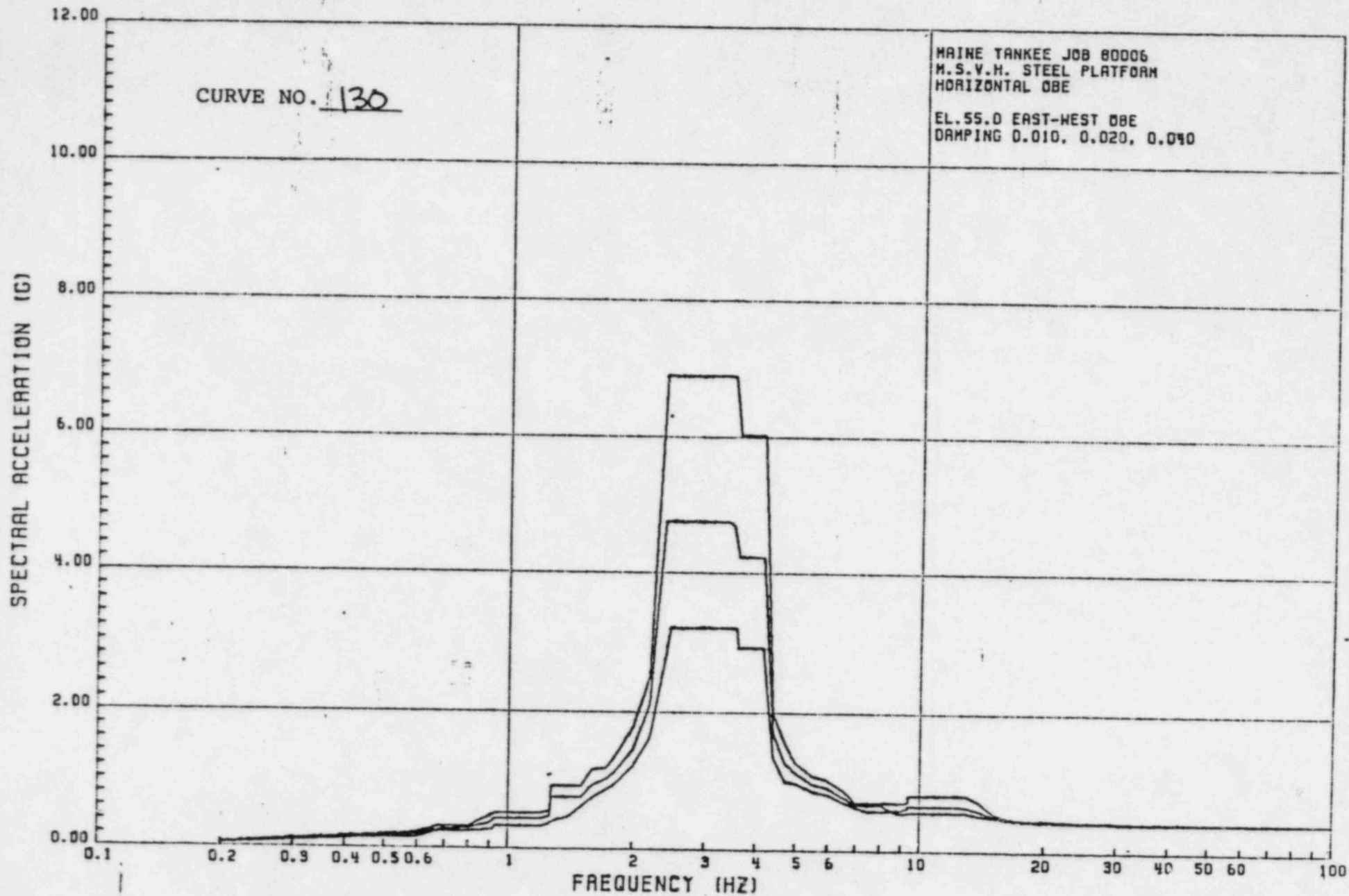


EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 130

MAINE TANKEE JOB 80006
M.S.V.H. STEEL PLATFORM
HORIZONTAL OBE
EL. 55.0 EAST-WEST OBE
DAMPING 0.010, 0.020, 0.040



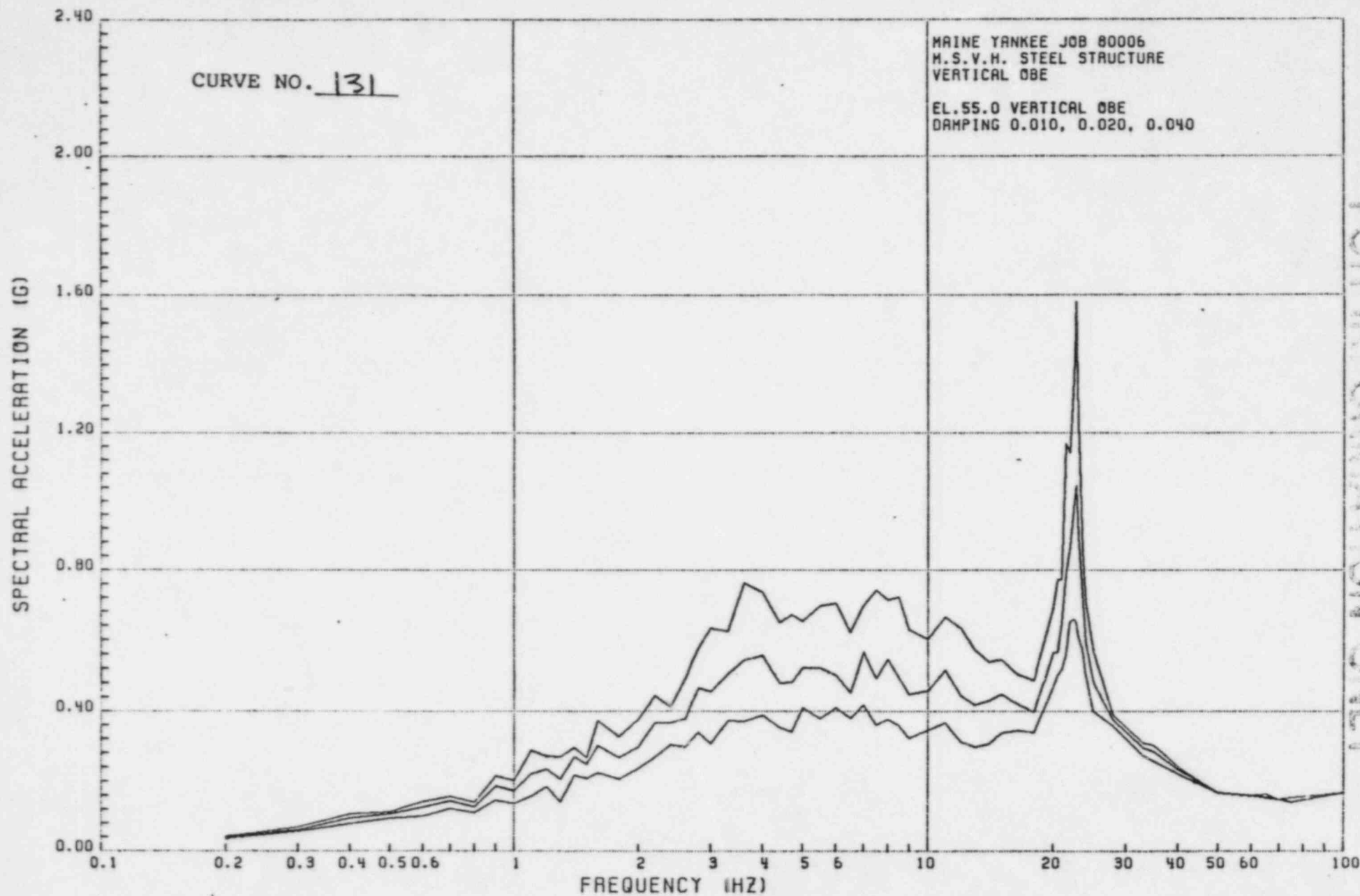
FOR INFORMATION ONLY

EES

CURVE NO. 131

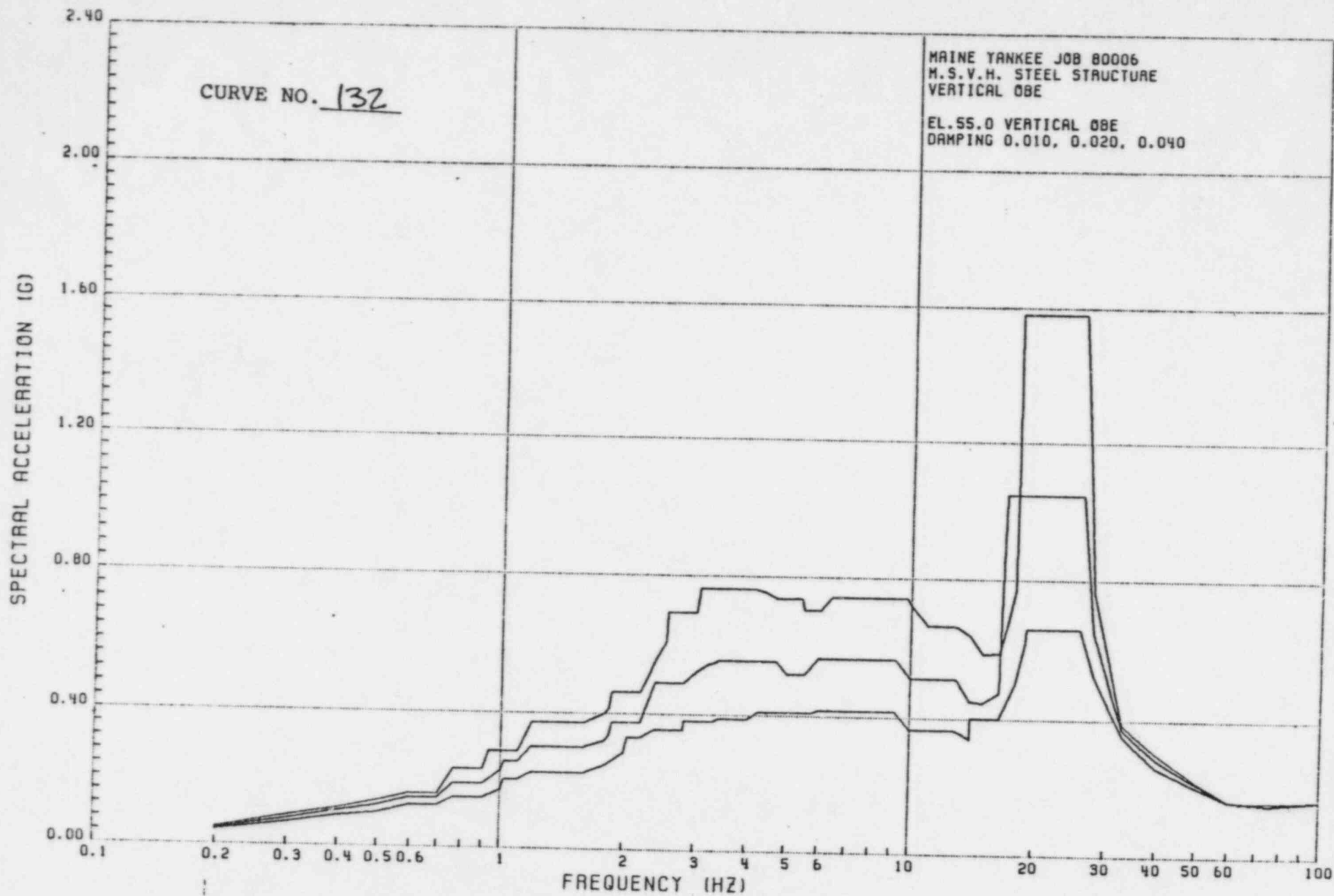
MAINE YANKEE JOB 80006
M.S.V.H. STEEL STRUCTURE
VERTICAL OBE

EL. 55.0 VERTICAL OBE
DAMPING 0.010, 0.020, 0.040



FOR INFORMATION ONLY

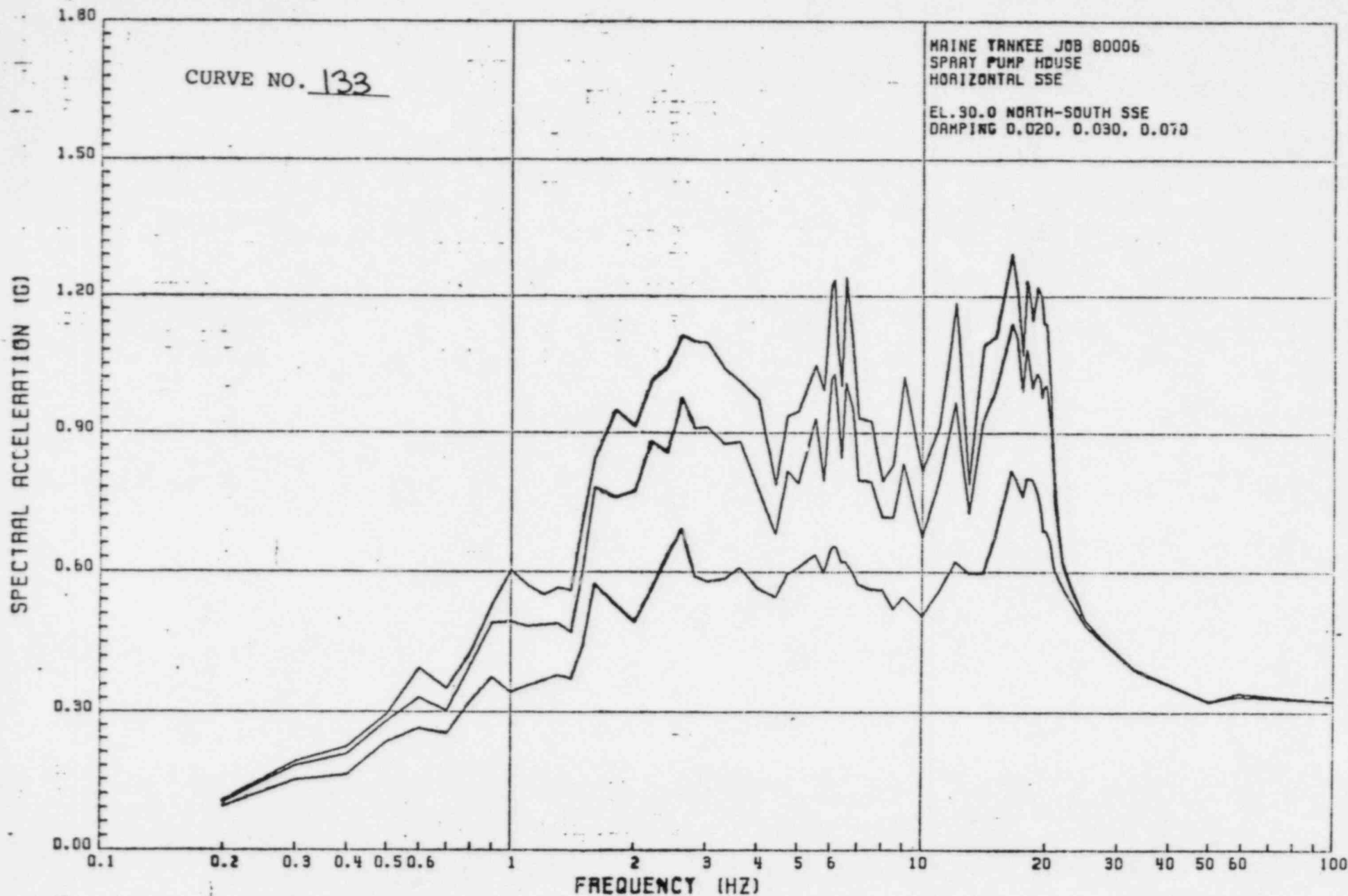
EES



EES

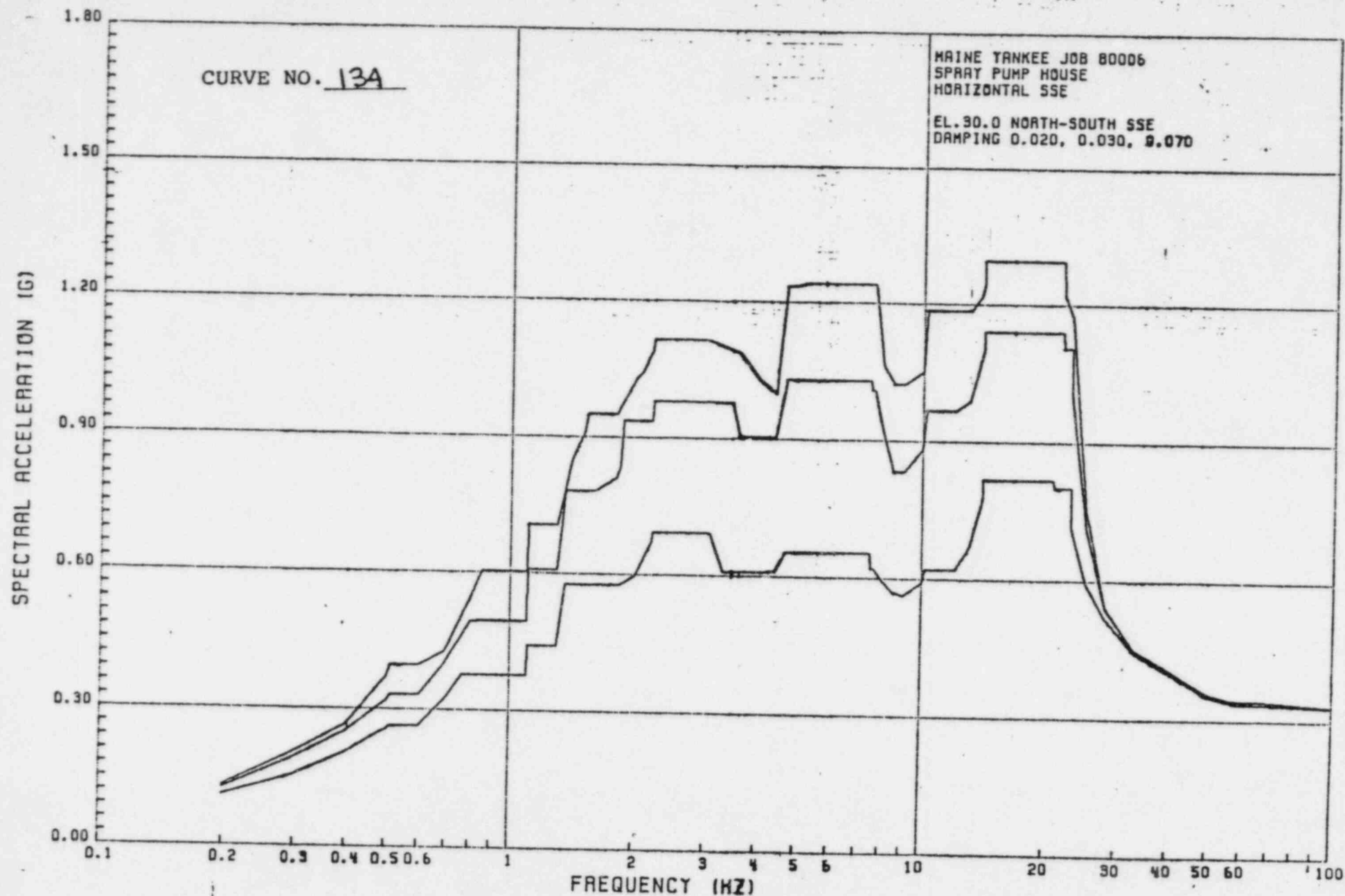
CURVE NO. 133

MAINE TANKEE JOB 80006
SPRAY PUMP HOUSE
HORIZONTAL SSE
EL. 30.0 NORTH-SOUTH SSE
DAMPING 0.020, 0.030, 0.070



FOR INFORMATION ONLY

EES



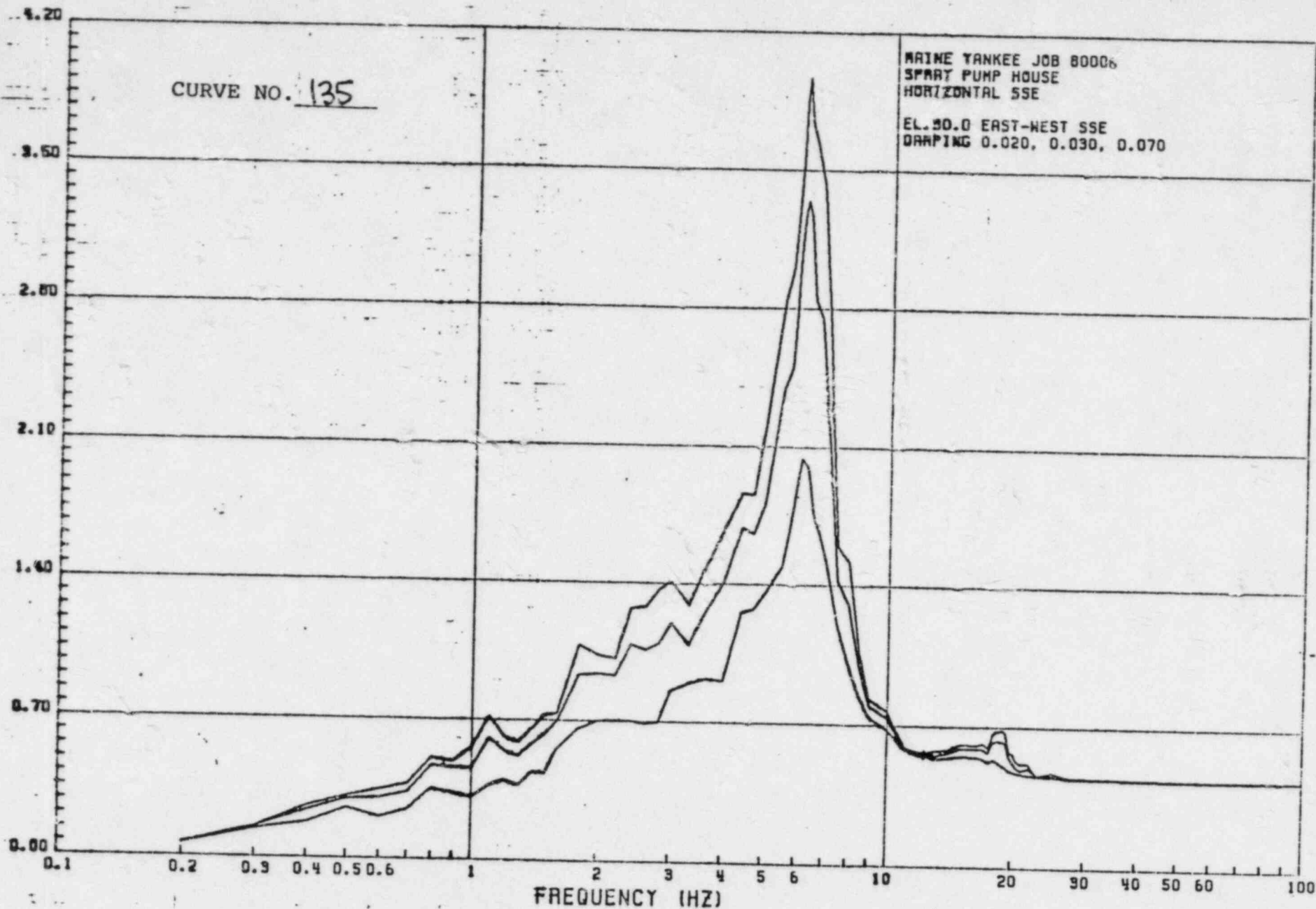
FOR INFORMATION ONLY

EES

CURVE NO. 135

MAINE YANKEE JOB 80006
SPRAY PUMP HOUSE
HORIZONTAL SSE
EL. 90.0 EAST-WEST SSE
DAMPING 0.020, 0.030, 0.070

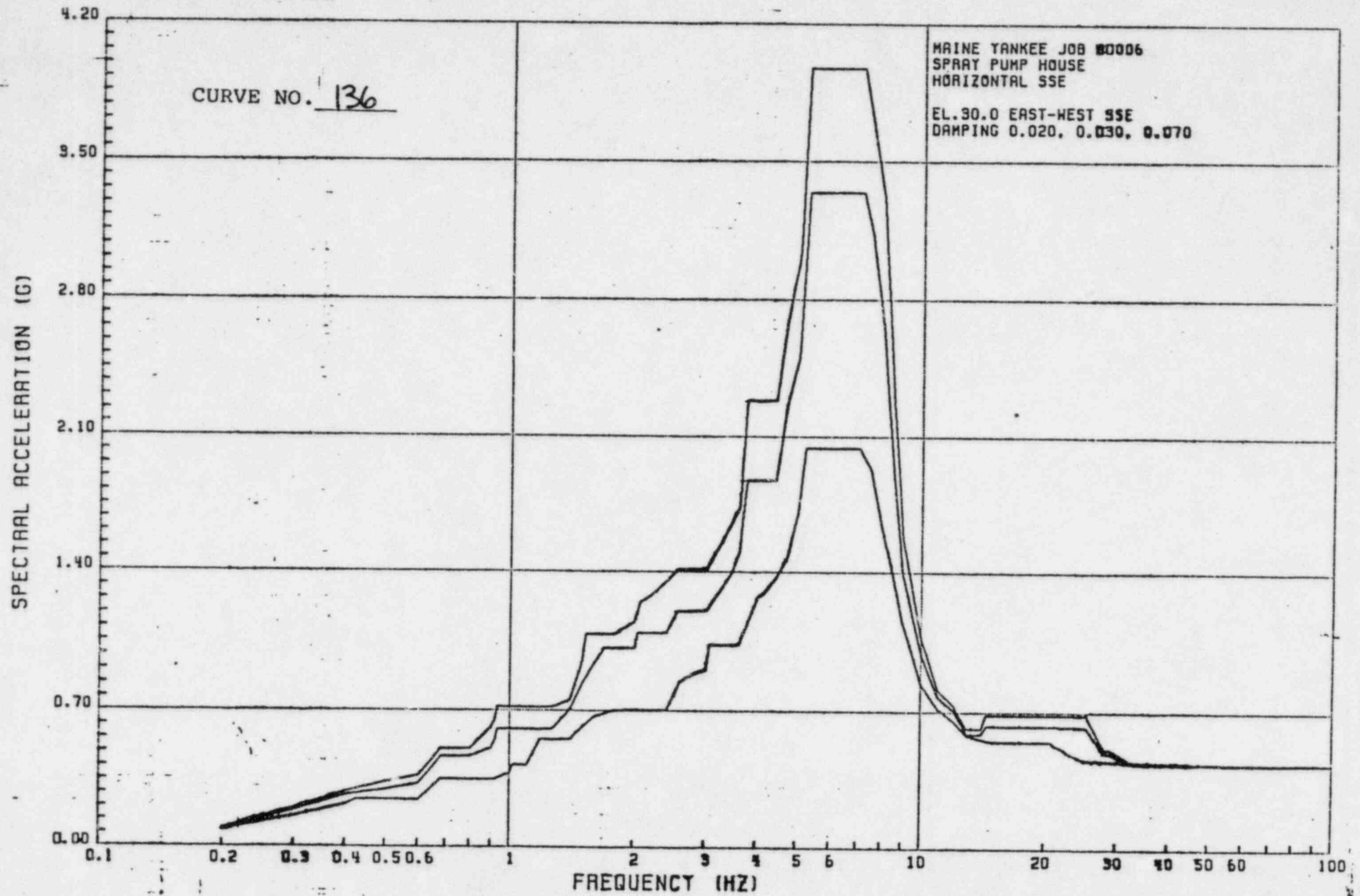
SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

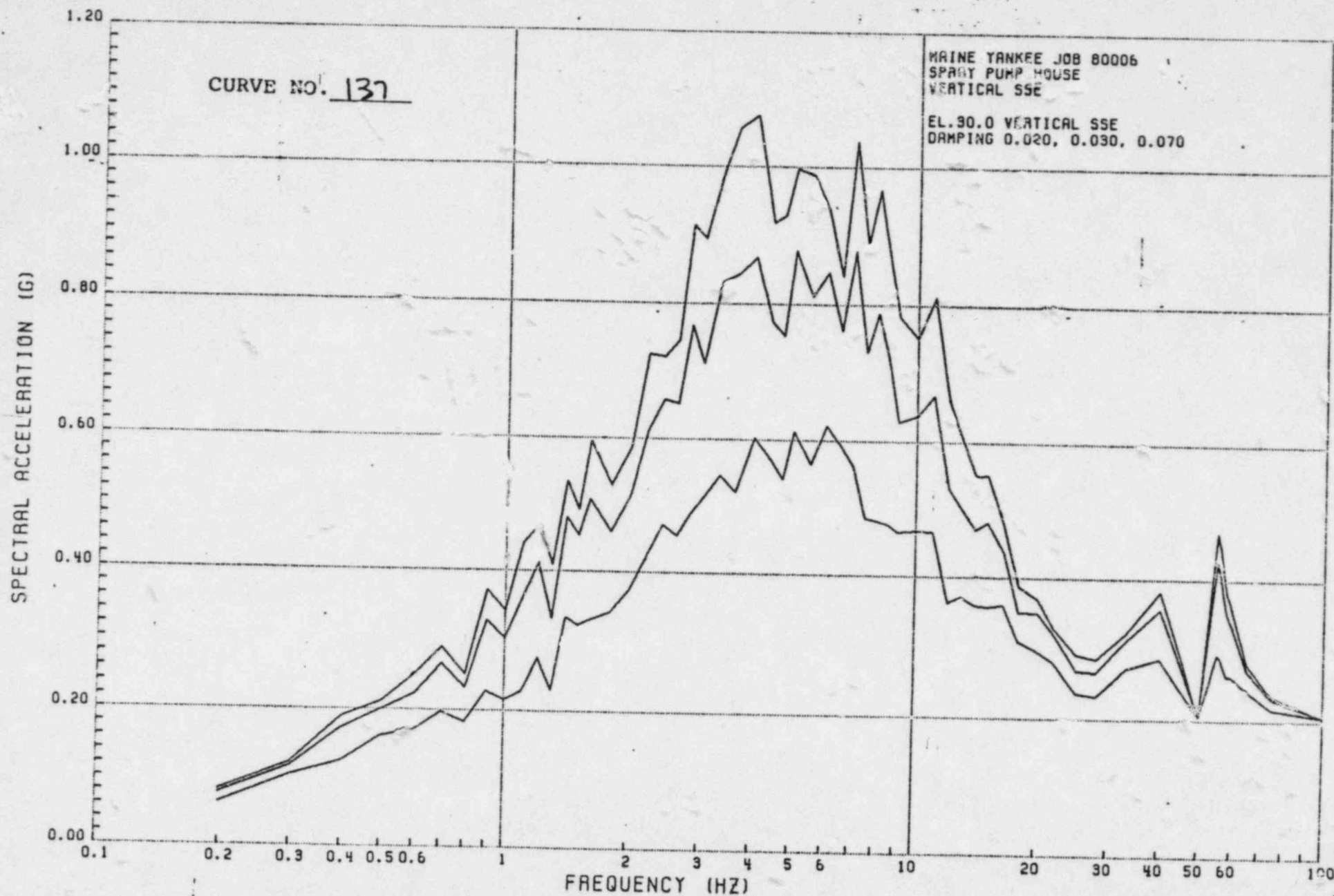
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EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION

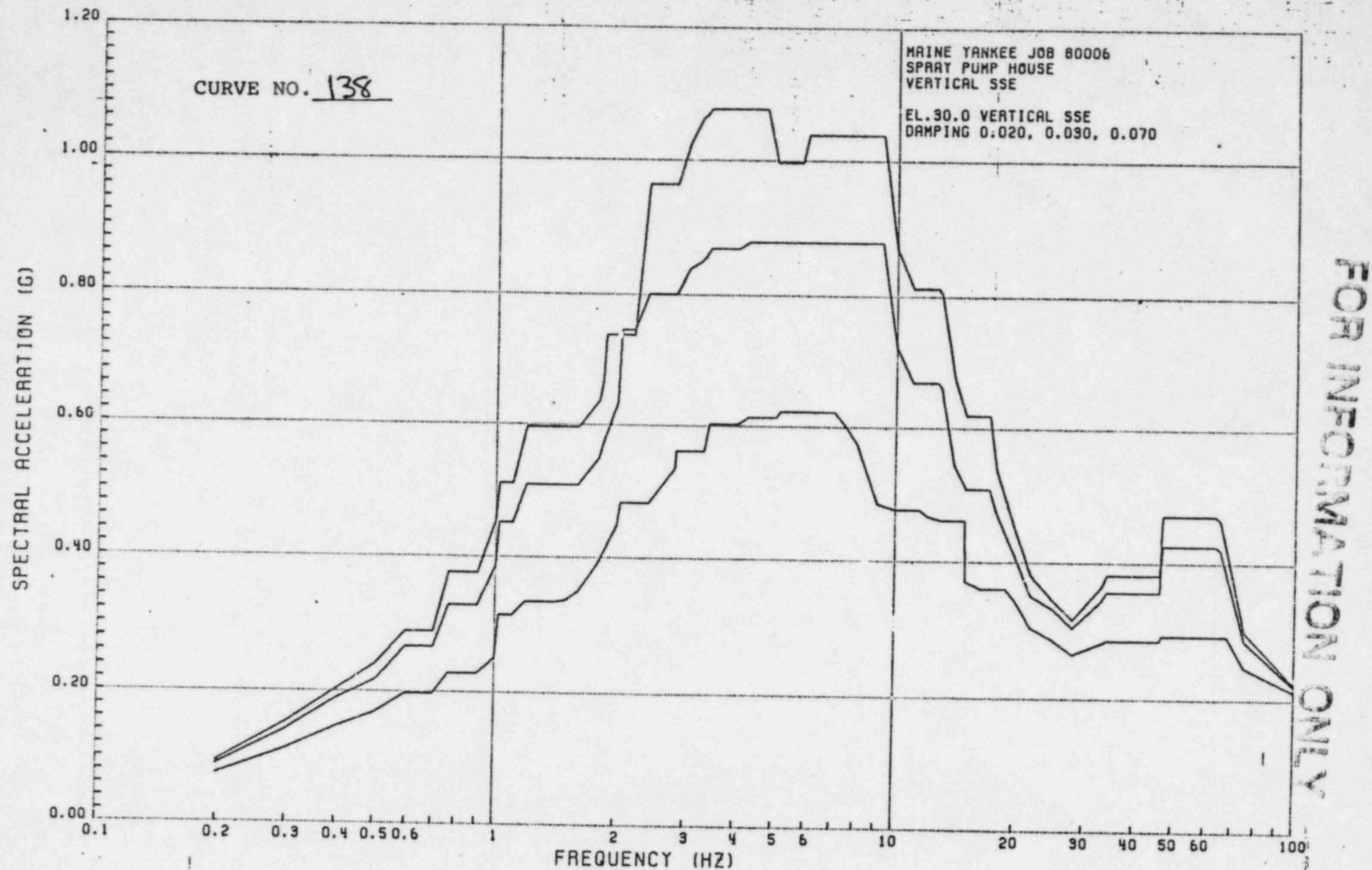
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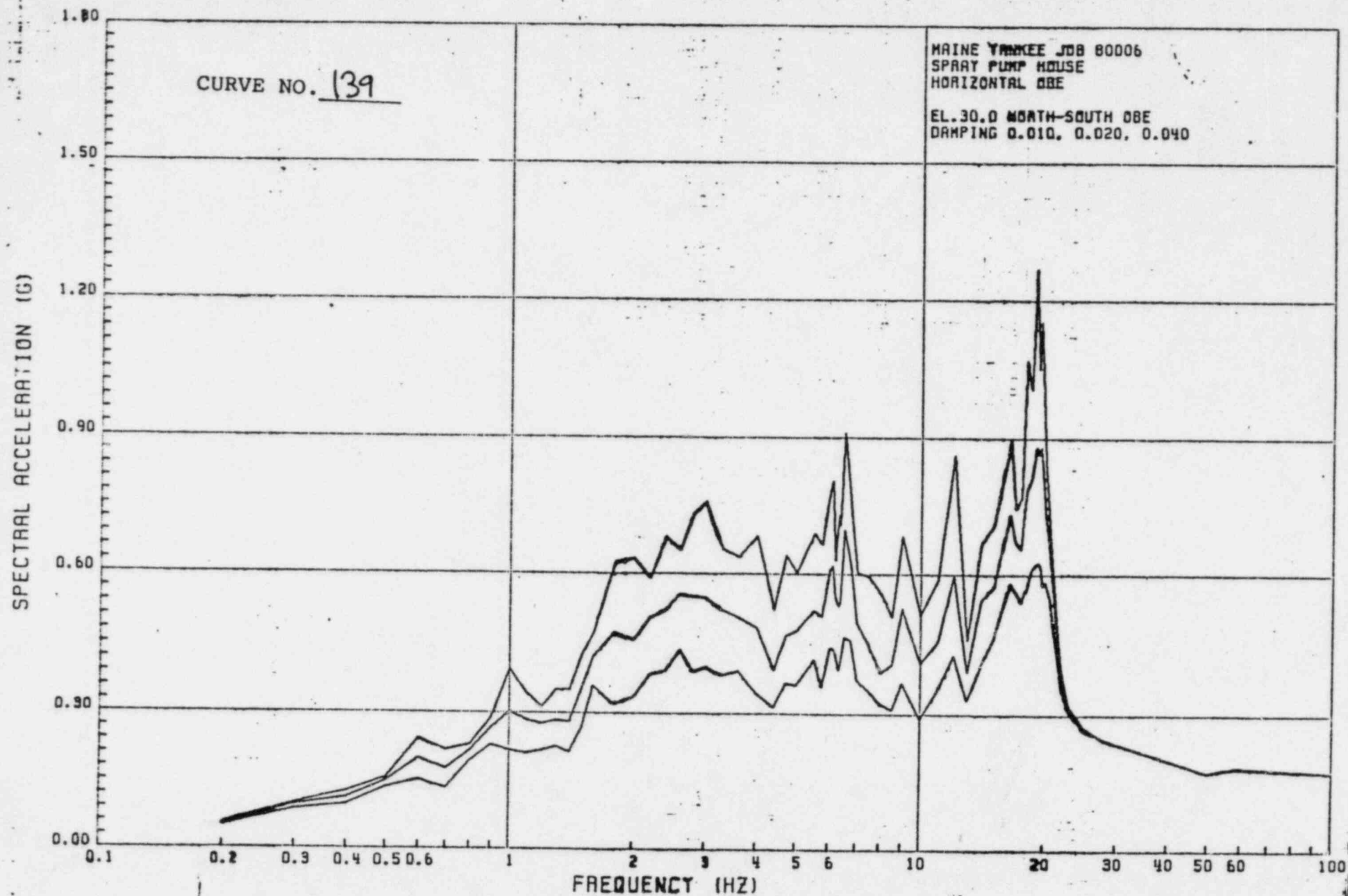
FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

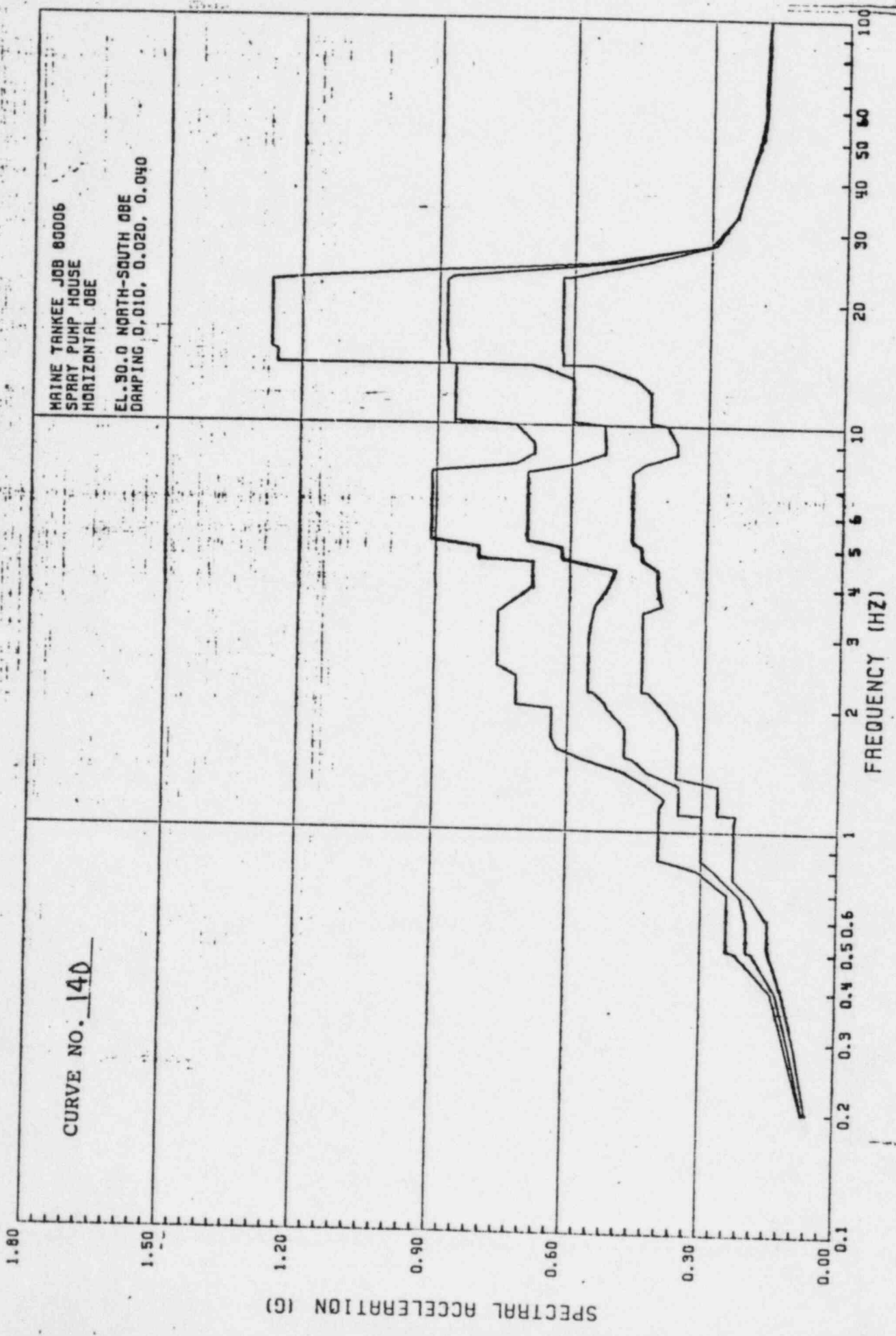


EES



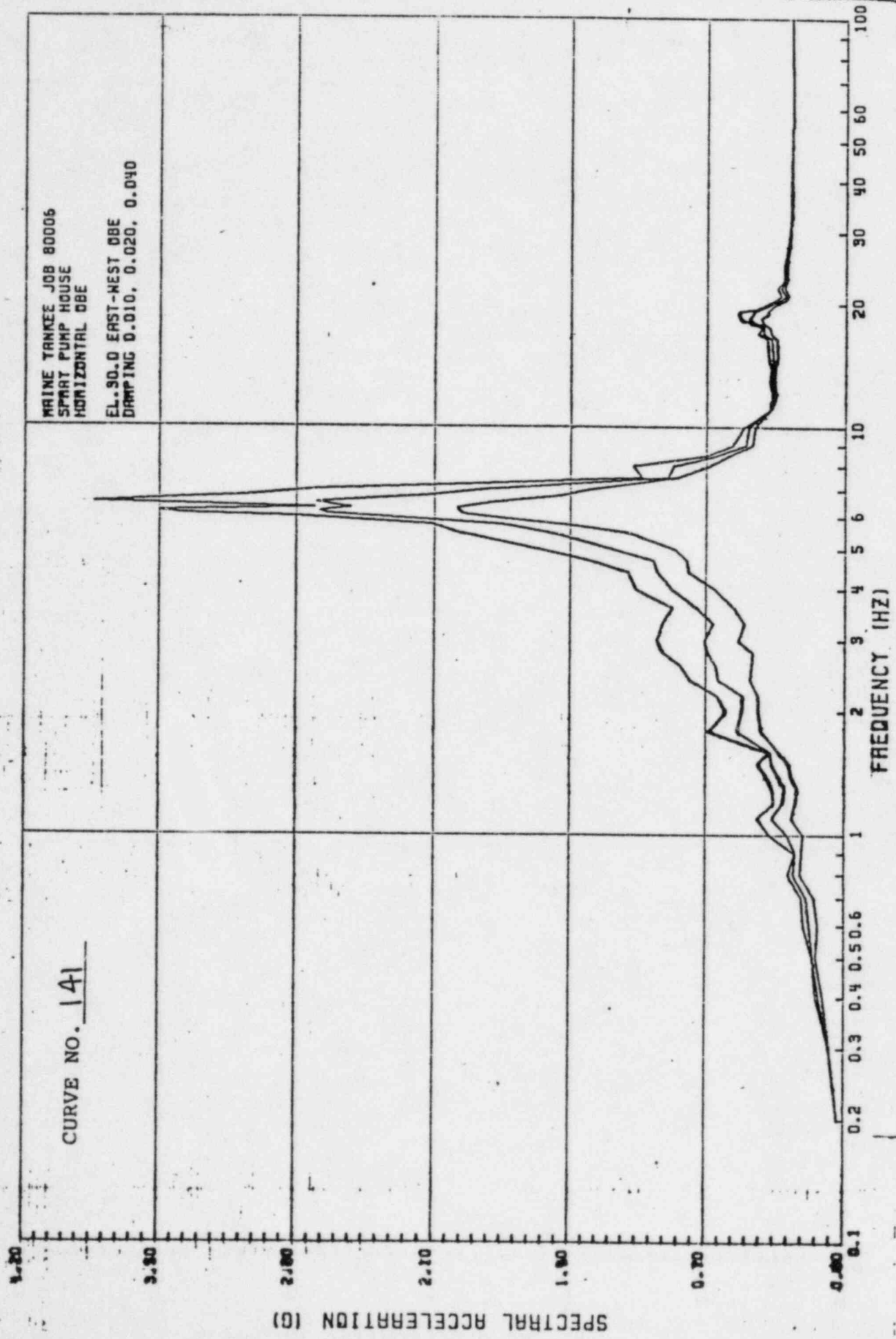
FOR INFORMATION ONLY

EES



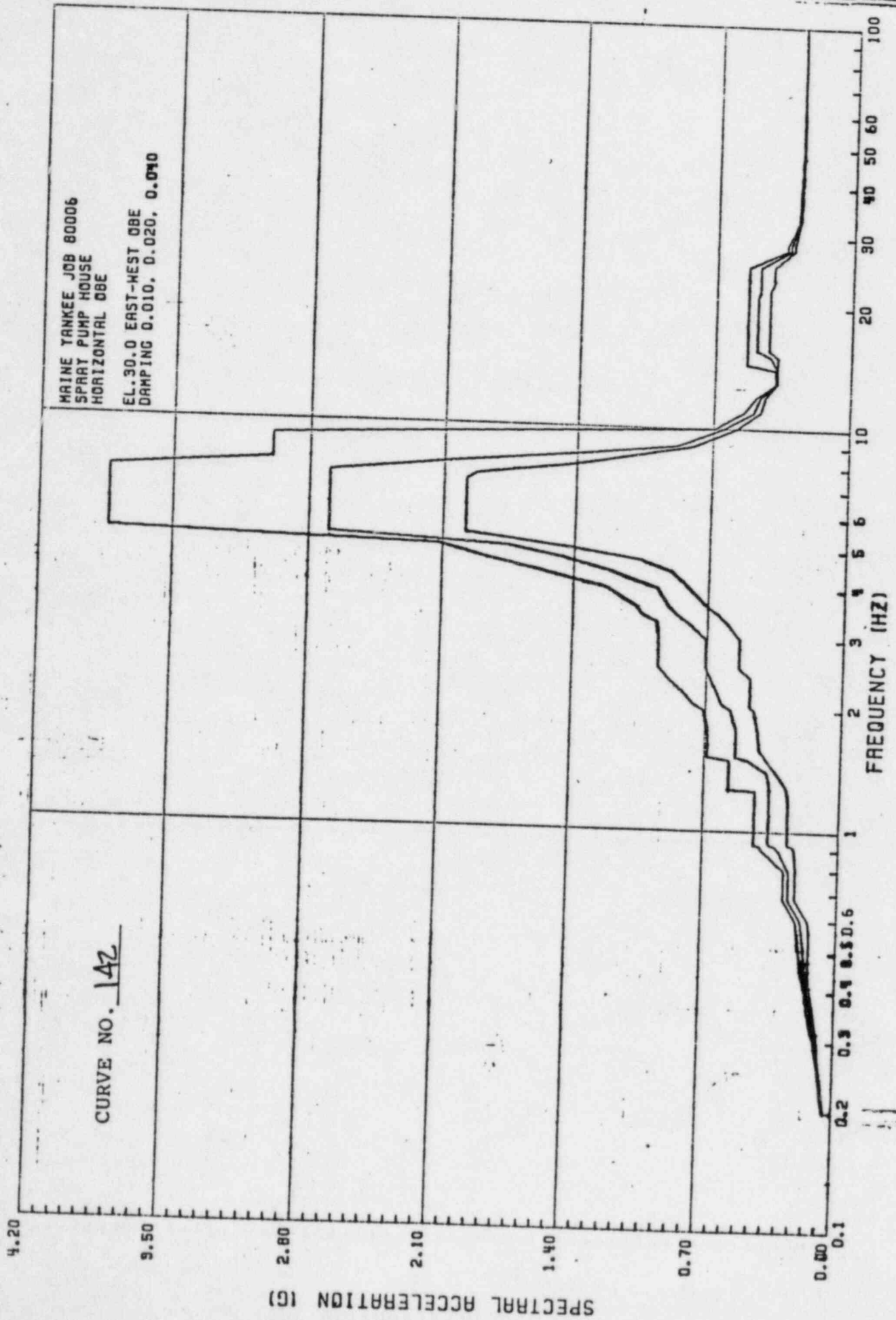
FOR INFORMATION ONLY

FES



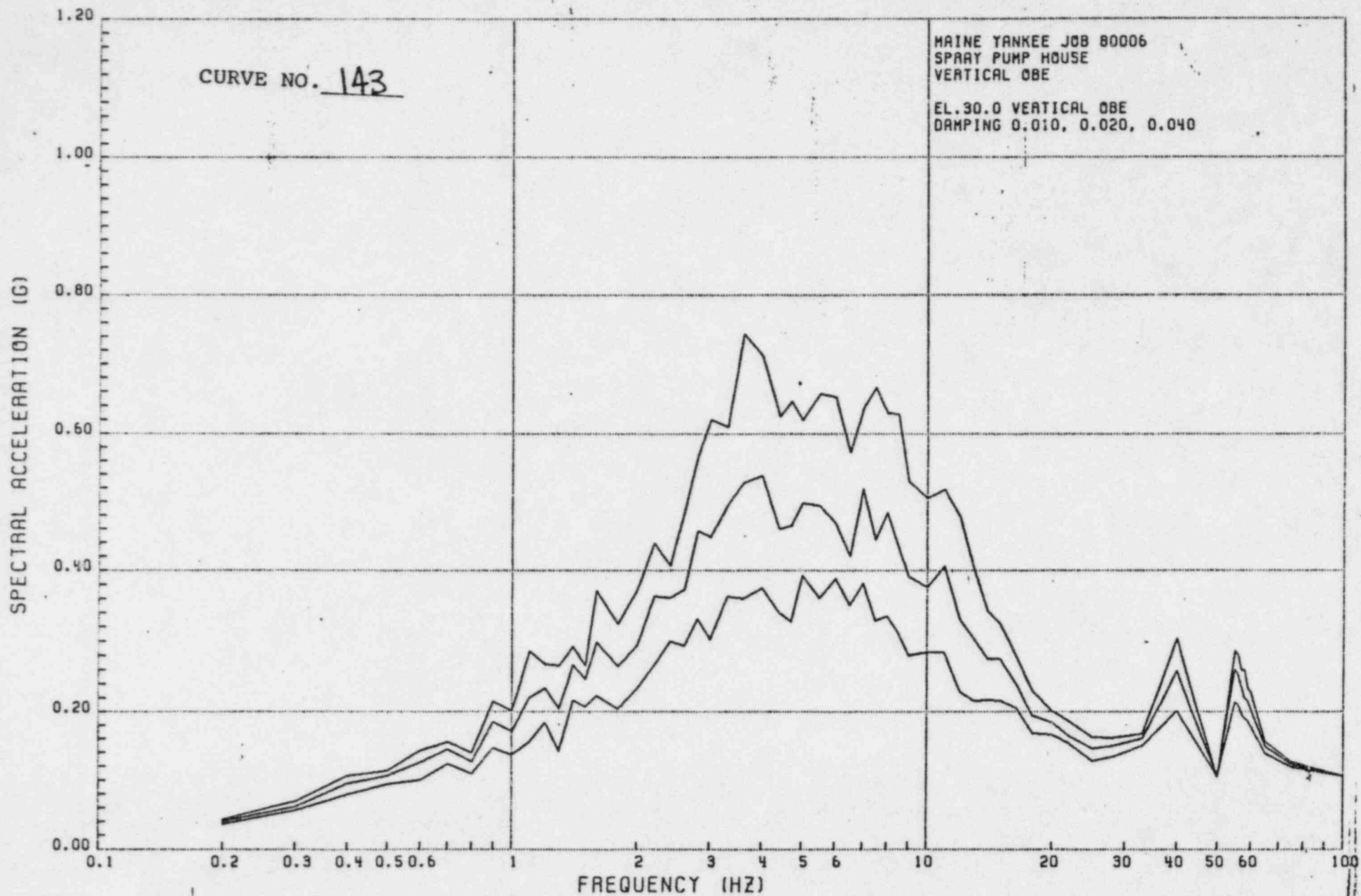
EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY



EARTHQUAKE ENGINEERING SYSTEMS

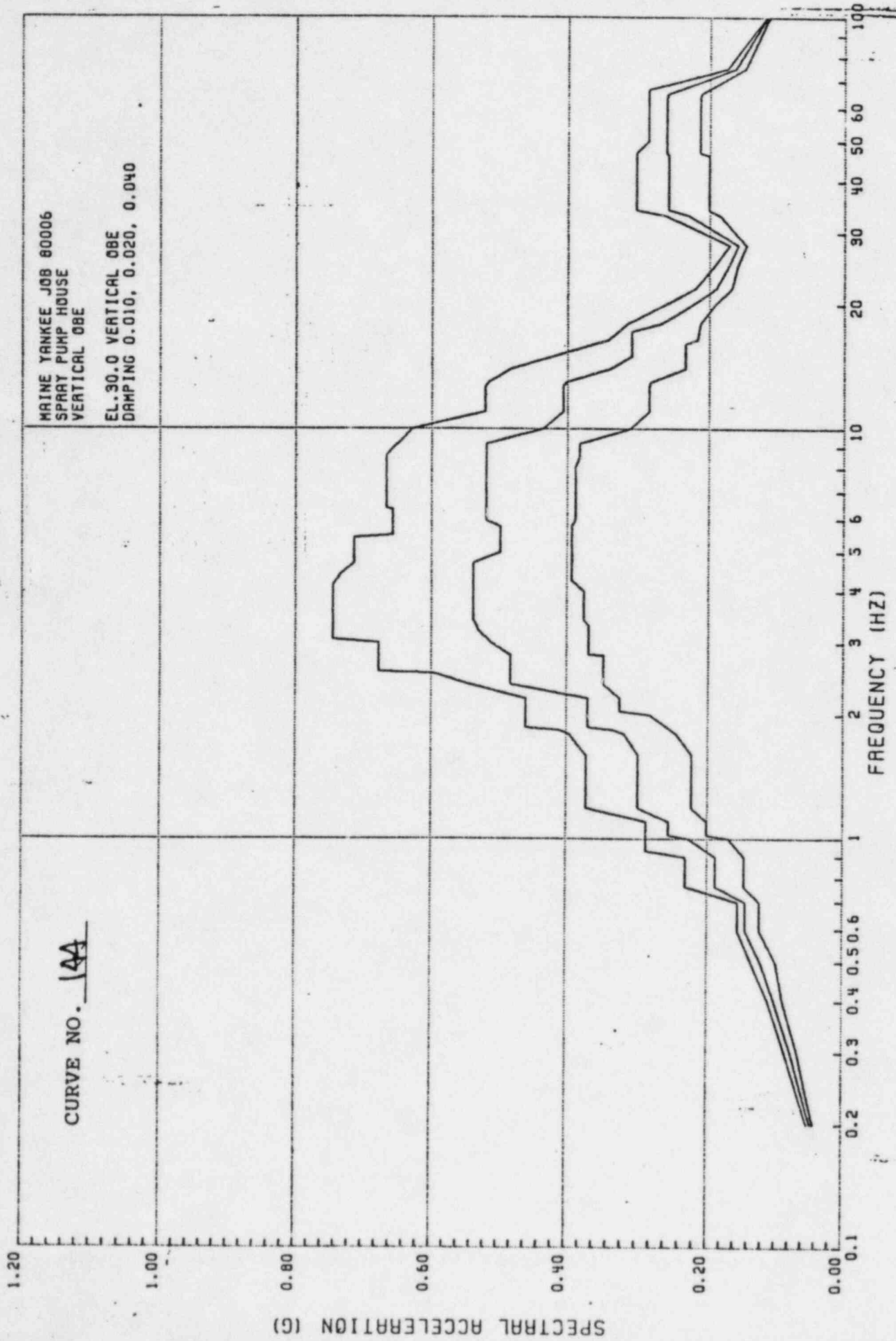
EES



FOR INFORMATION ONLY

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EES



EARTHQUAKE ENGINEERING SYSTEMS

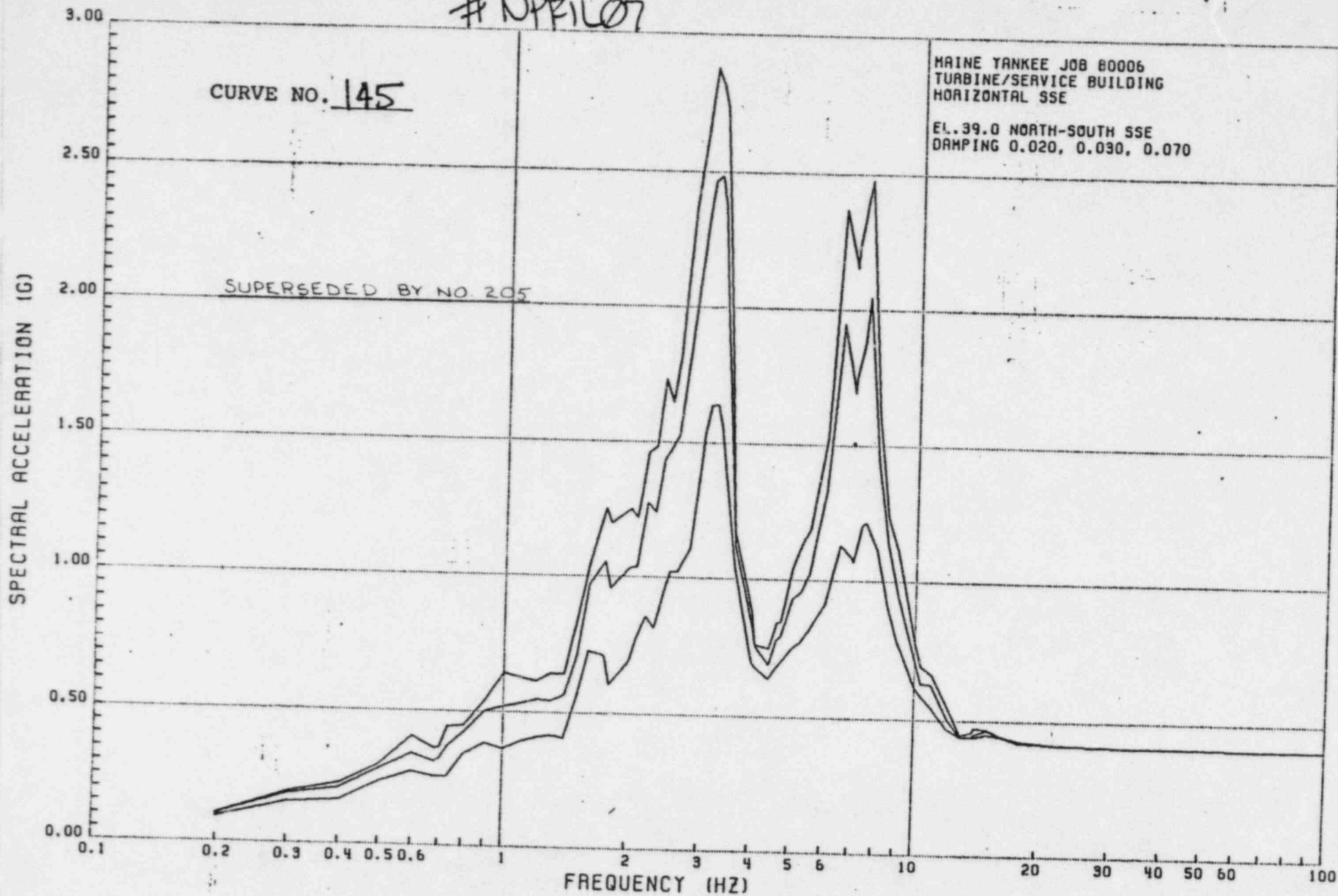
EES.

NPP107

CURVE NO. 145

MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL SSE
EL. 39.0 NORTH-SOUTH SSE
DAMPING 0.020, 0.030, 0.070

SUPERSEDED BY NO. 205

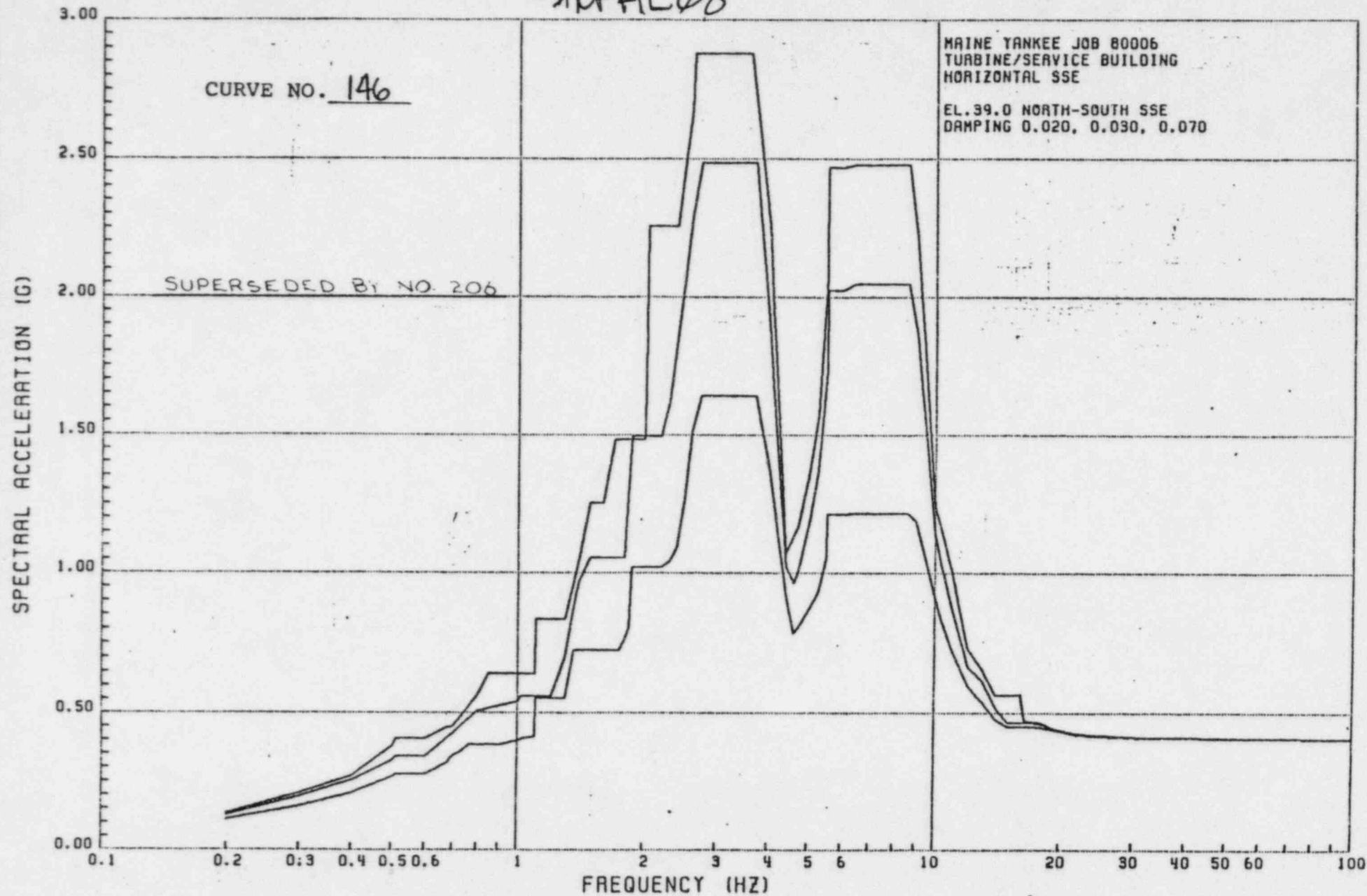


FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

#APRIL 08



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES

#NPFIL05

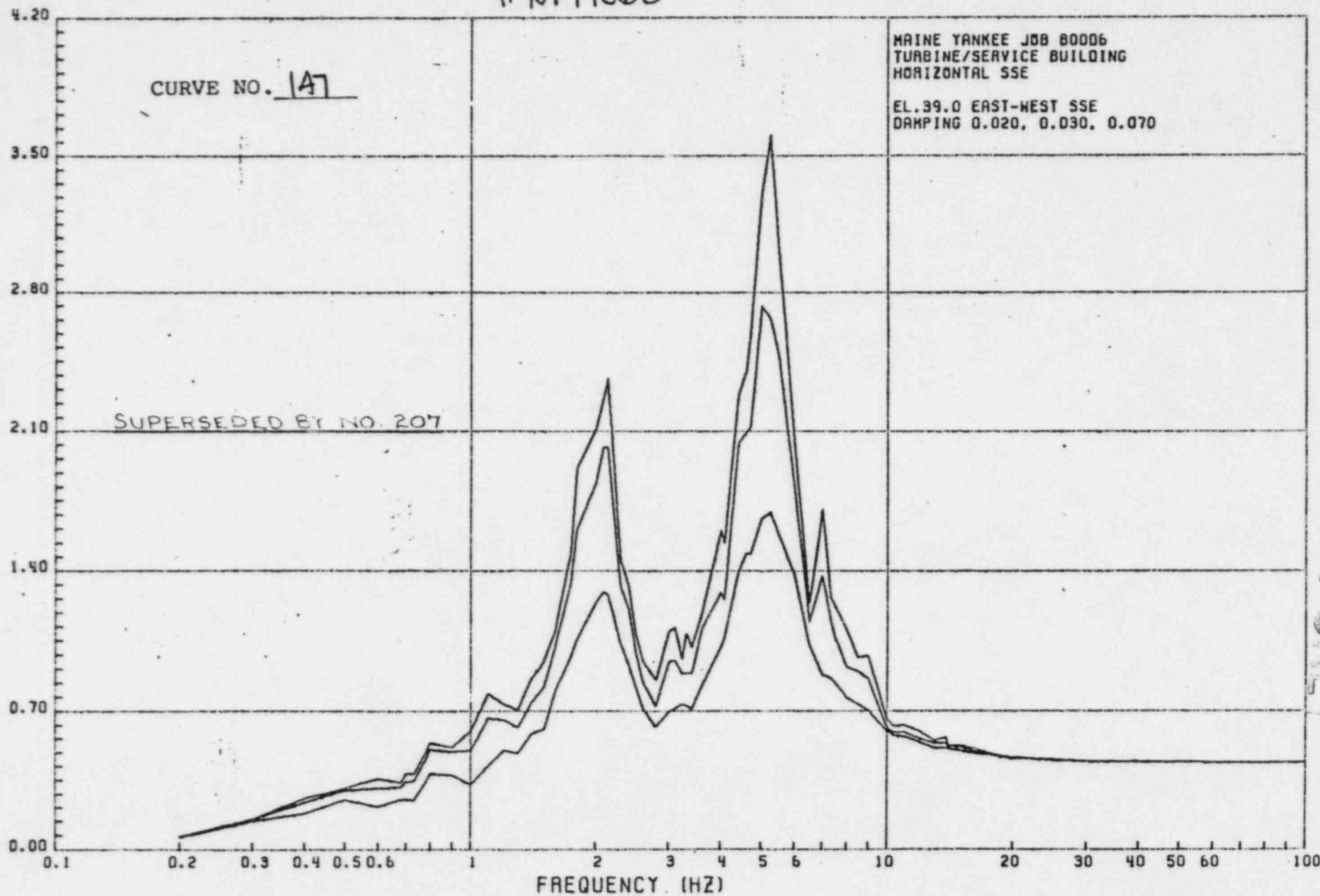
CURVE NO. 147

MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL SSE

EL. 39.0 EAST-WEST SSE
DAMPING 0.020, 0.030, 0.070

SUPERSEDED BY NO. 207

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

FOR INFORMATION ONLY

EES

NPF1006

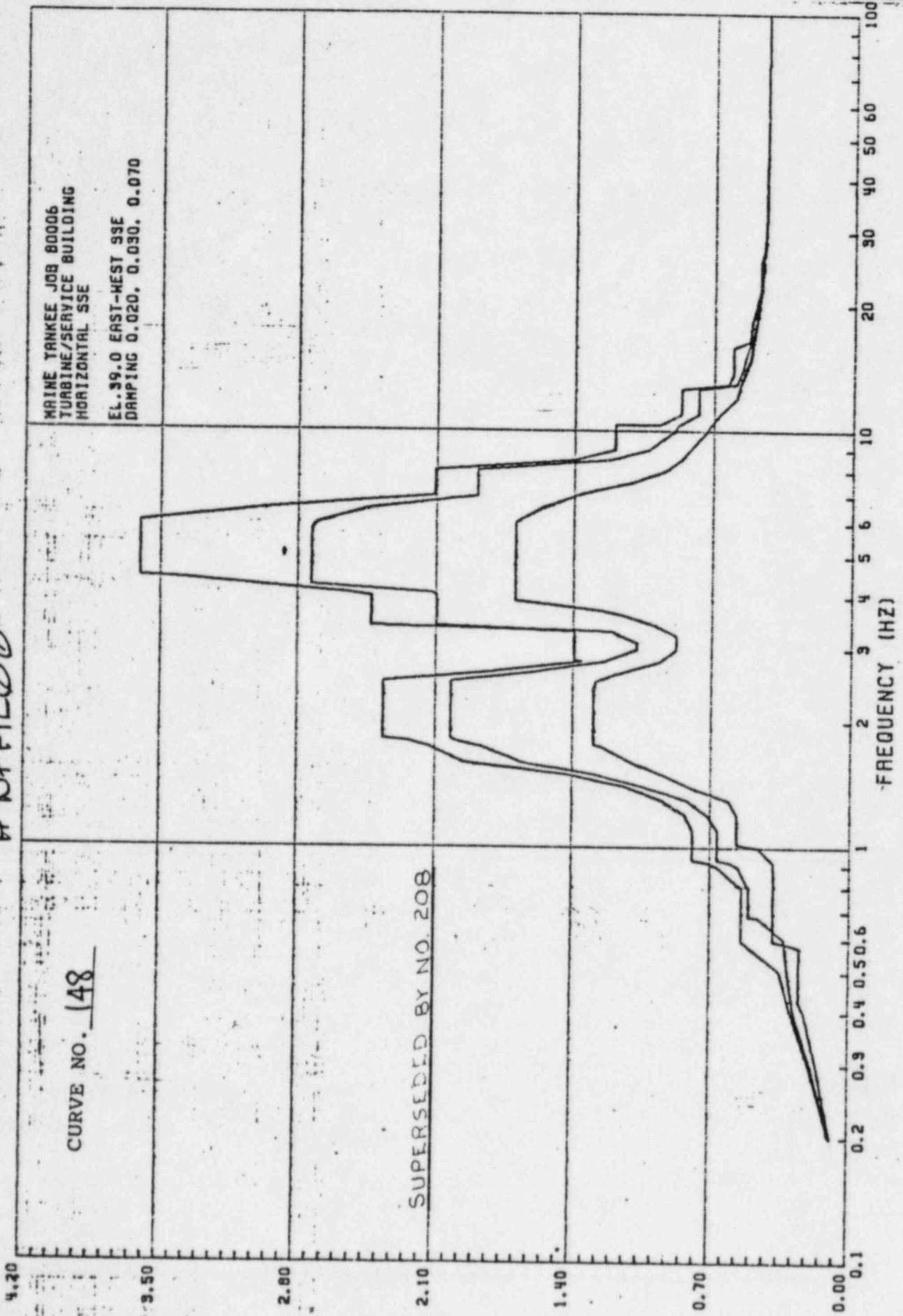
CURVE NO. 148

MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL SSE

EL. 99.0 EAST-WEST SSE
DAMPING 0.020, 0.030, 0.070

SUPERSEDED BY NO. 208

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

EES

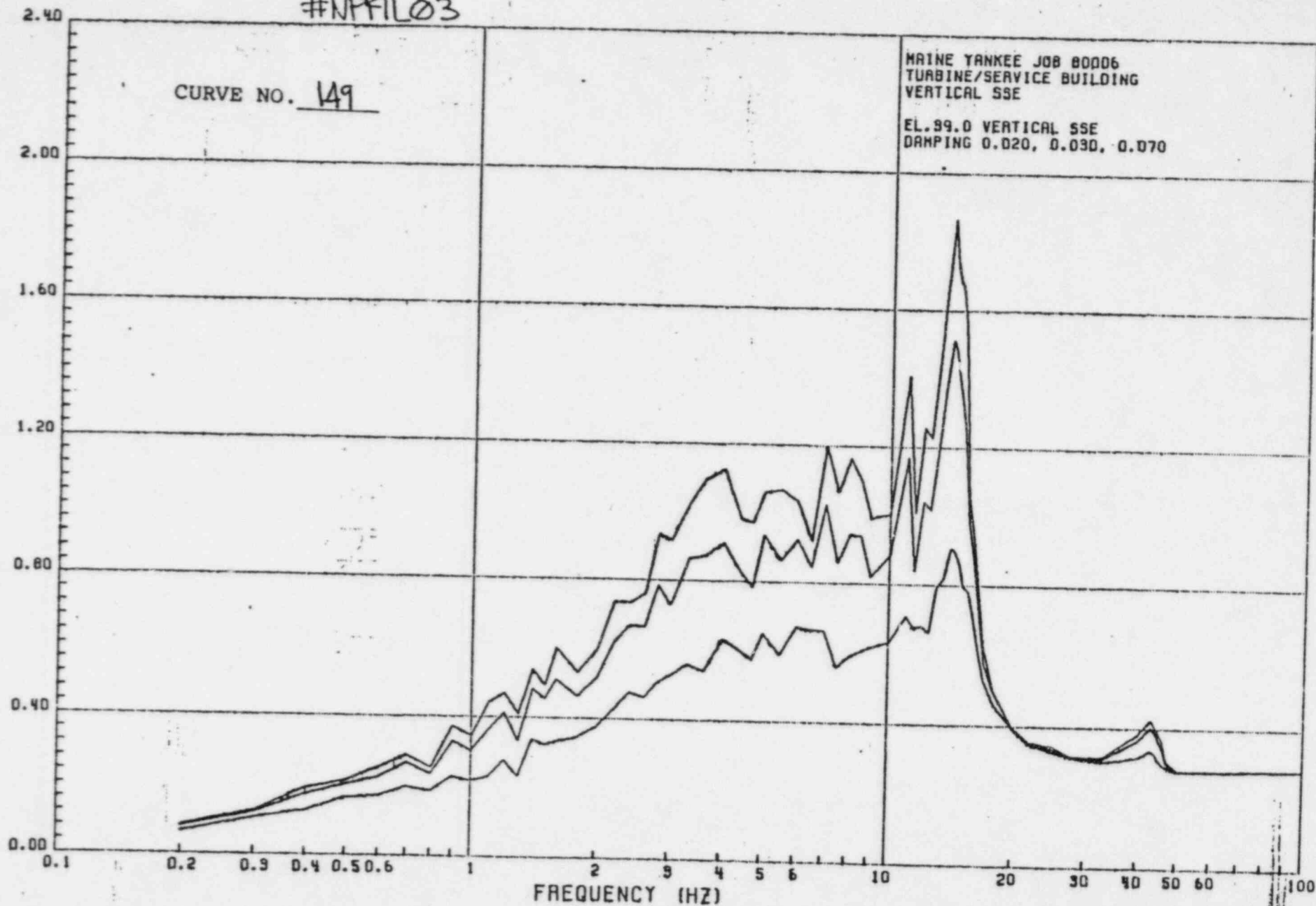
#NPFIL03

CURVE NO. 149

MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
VERTICAL SSE

EL. 99.0 VERTICAL SSE
DAMPING 0.020, 0.030, 0.070

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

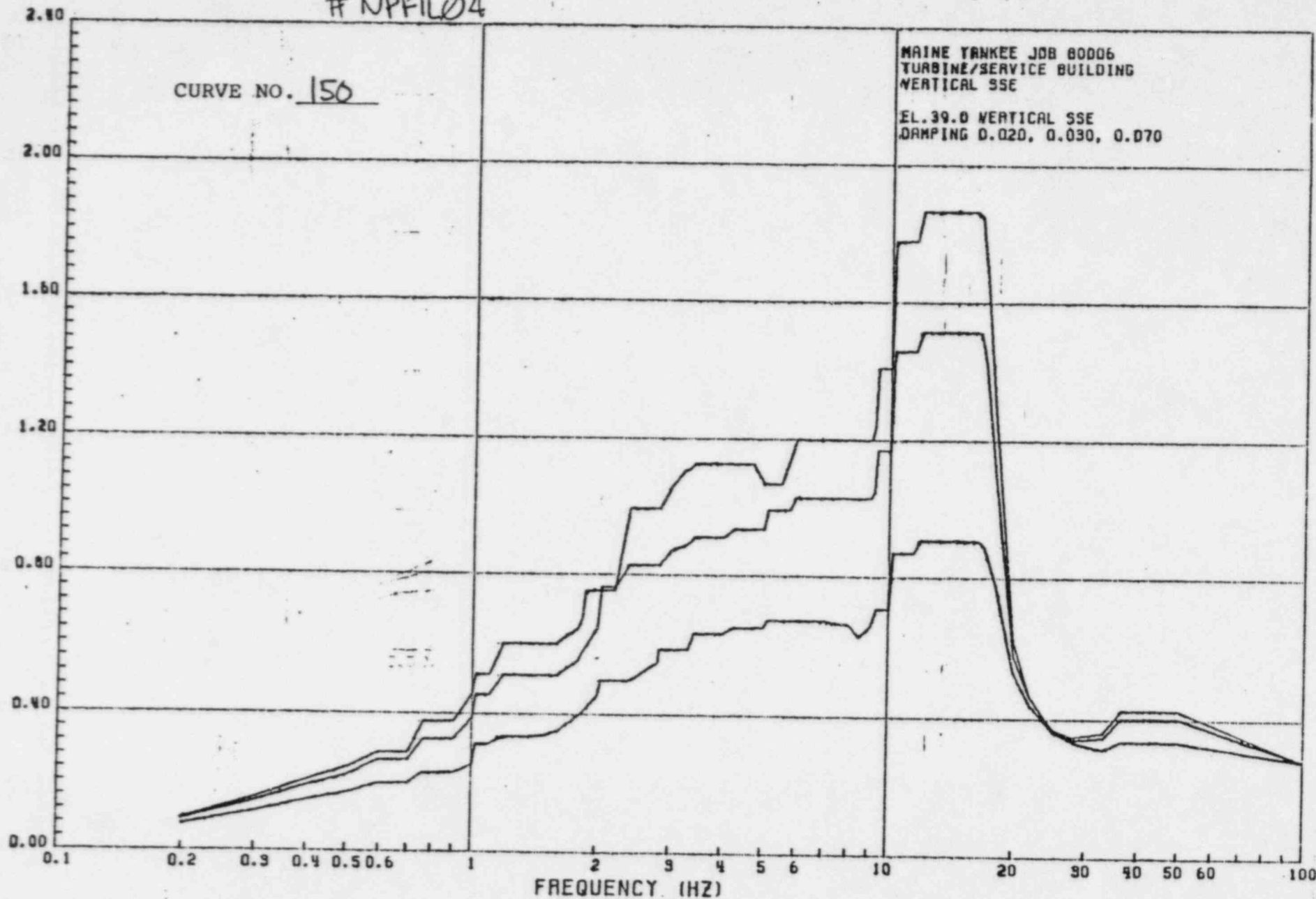
NPFIL04

CURVE NO. 150

MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
VERTICAL SSE

EL. 39.0 VERTICAL SSE
DAMPING 0.020, 0.030, 0.070

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

EES

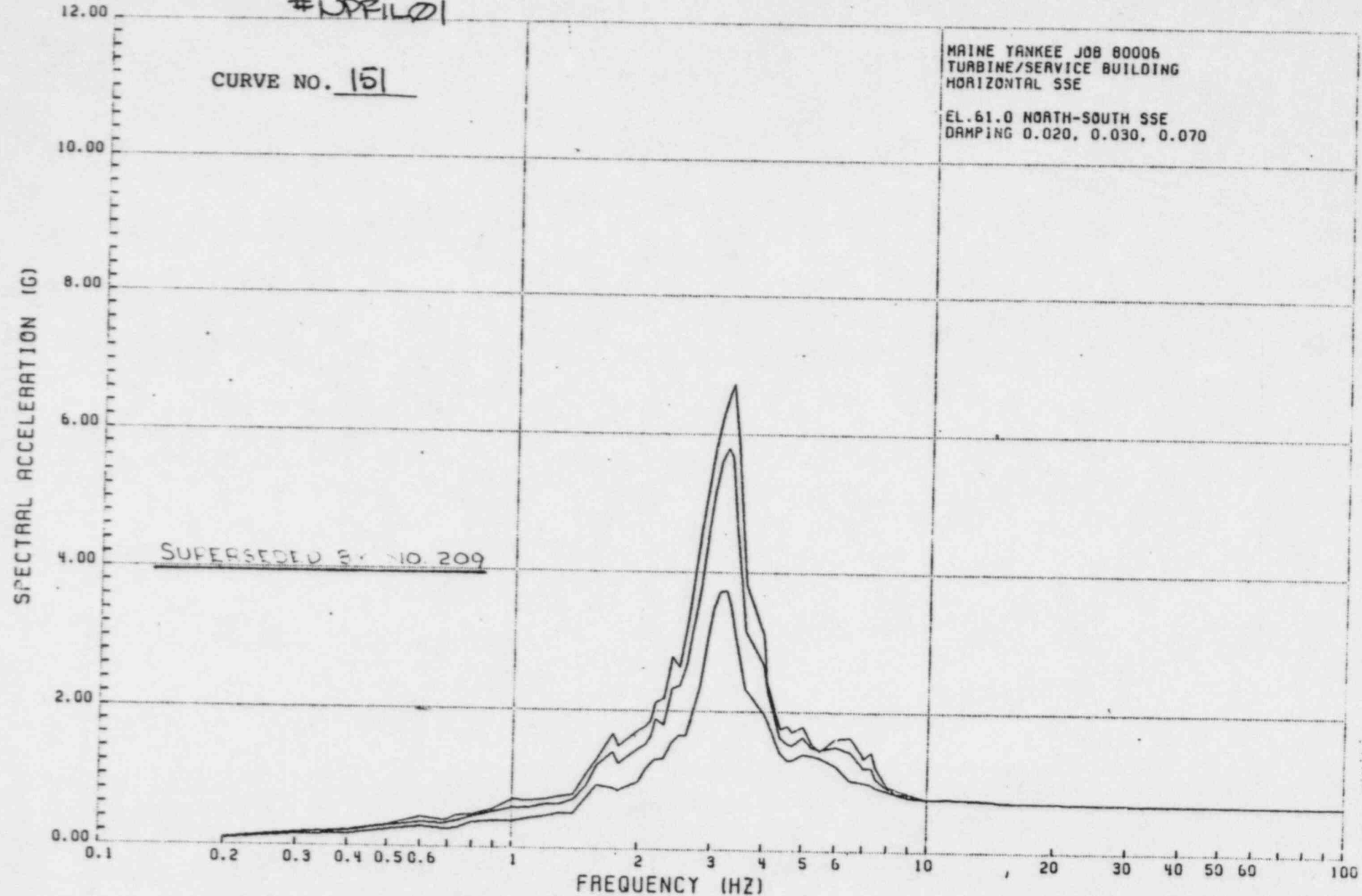
#NPPIL01

CURVE NO. 151

MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL SSE

EL. 61.0 NORTH-SOUTH SSE
DAMPING 0.020, 0.030, 0.070

SUPERSEDED BY NO. 209



FOR INFORMATION ONLY

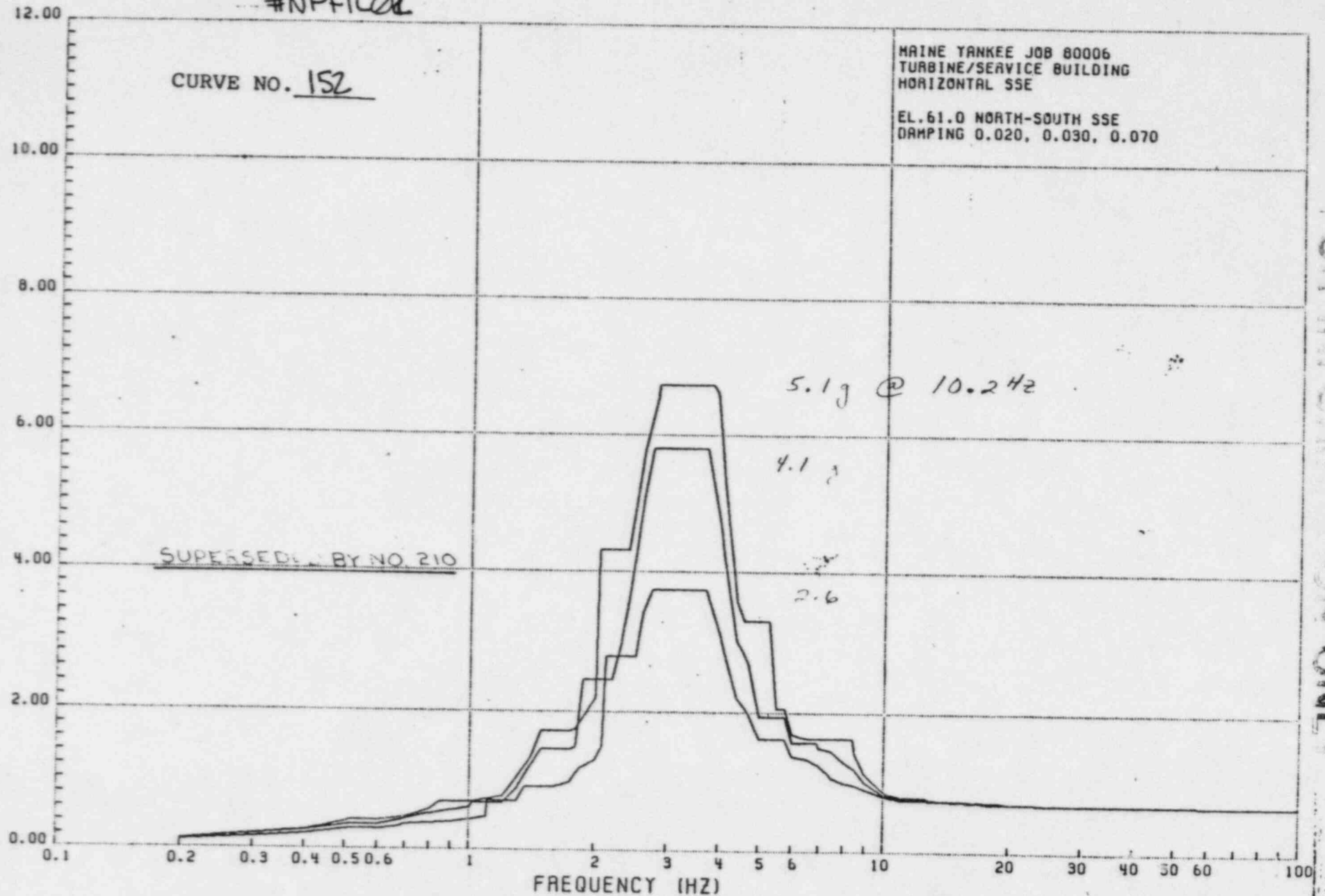
EES

#NPFIL02

CURVE NO. 152

MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL SSE
EL. 61.0 NORTH-SOUTH SSE
DAMPING 0.020, 0.030, 0.070

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EES

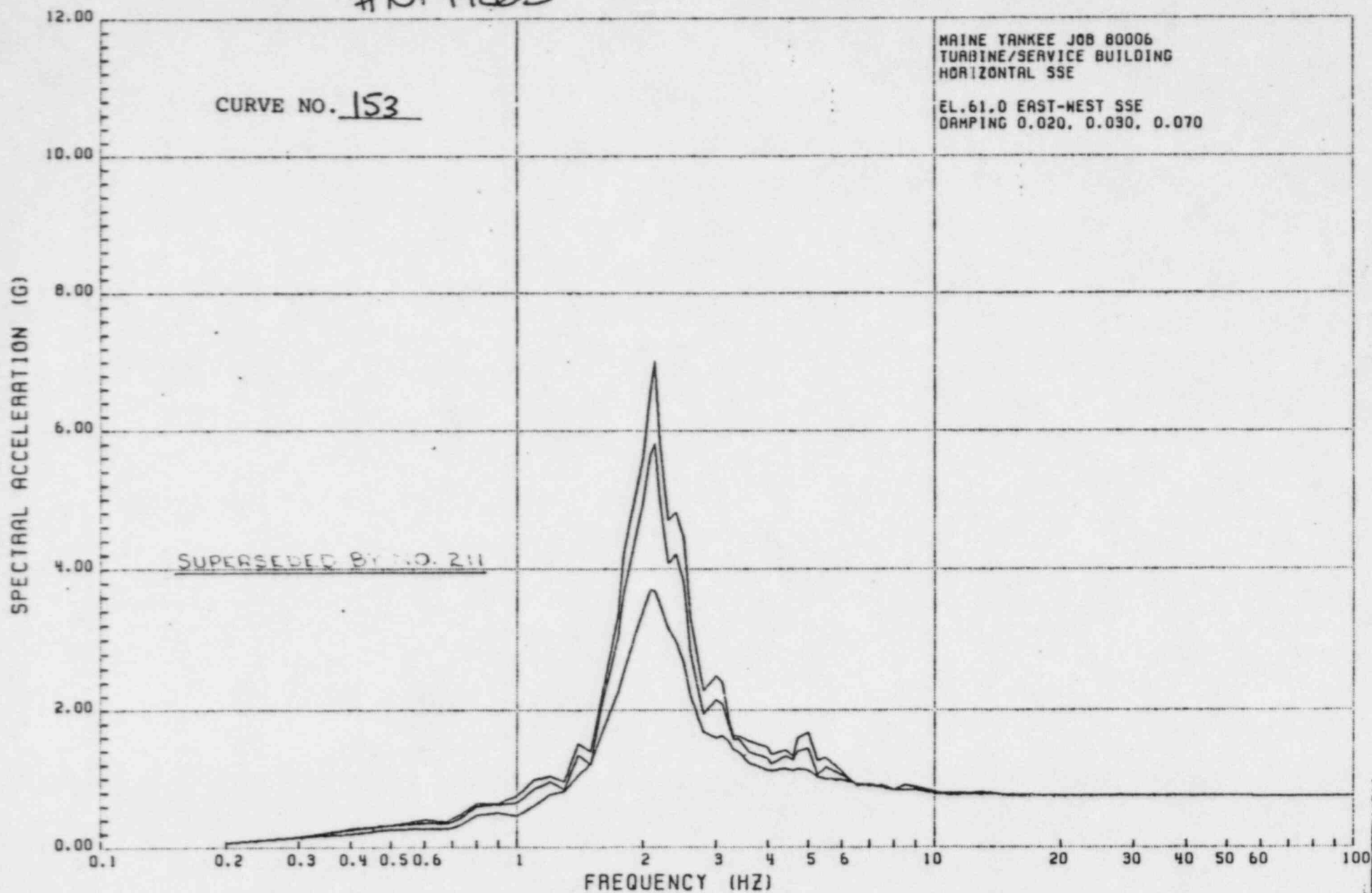
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CURVE NO. 153

MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL SSE

EL. 61.0 EAST-WEST SSE
DAMPING 0.020, 0.030, 0.070

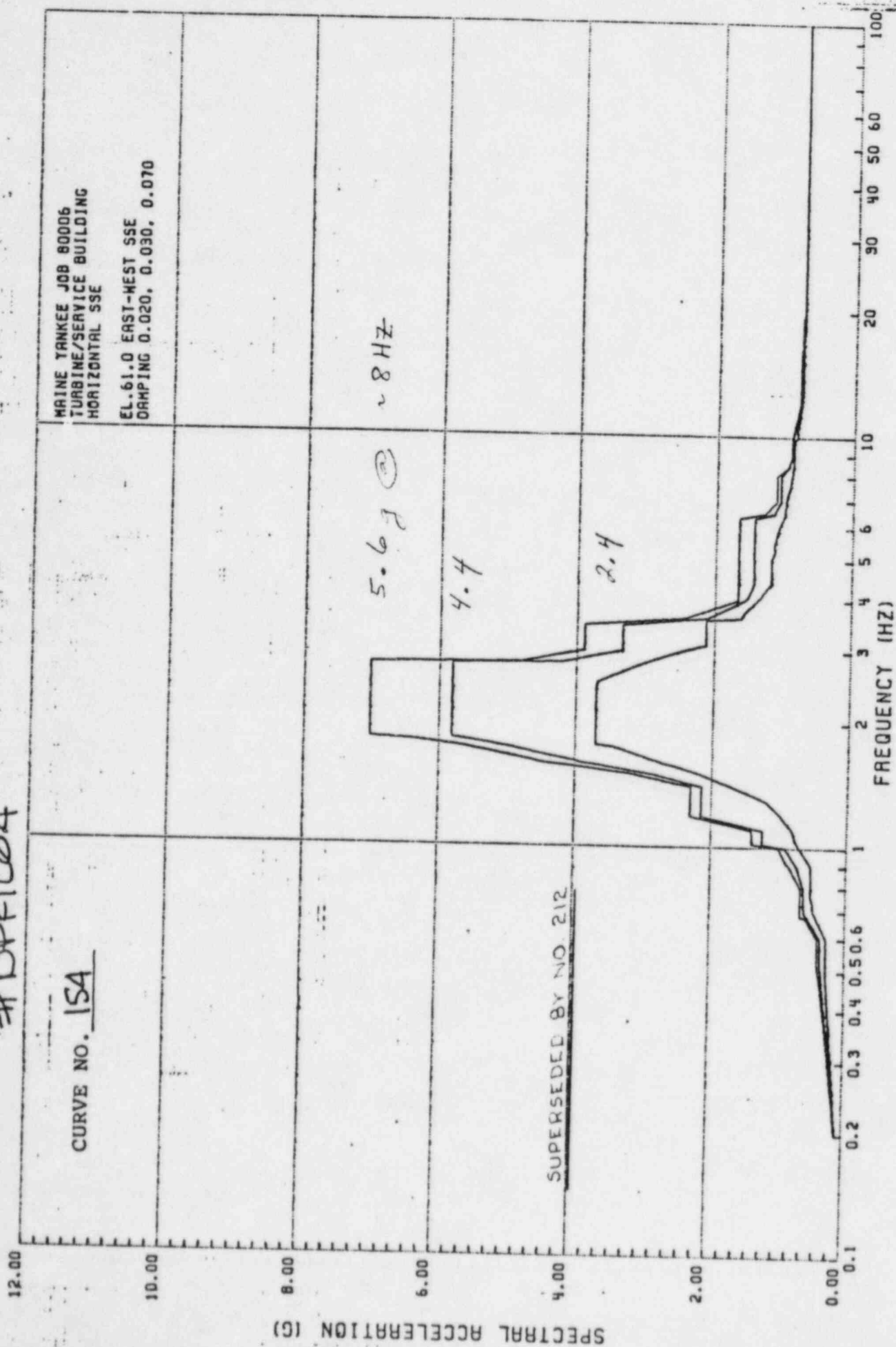
SUPERSEDED BY NO. 211



EARTHQUAKE ENGINEERING SYSTEMS

NO INFORMATION ON

FOR INFORMATION ONLY

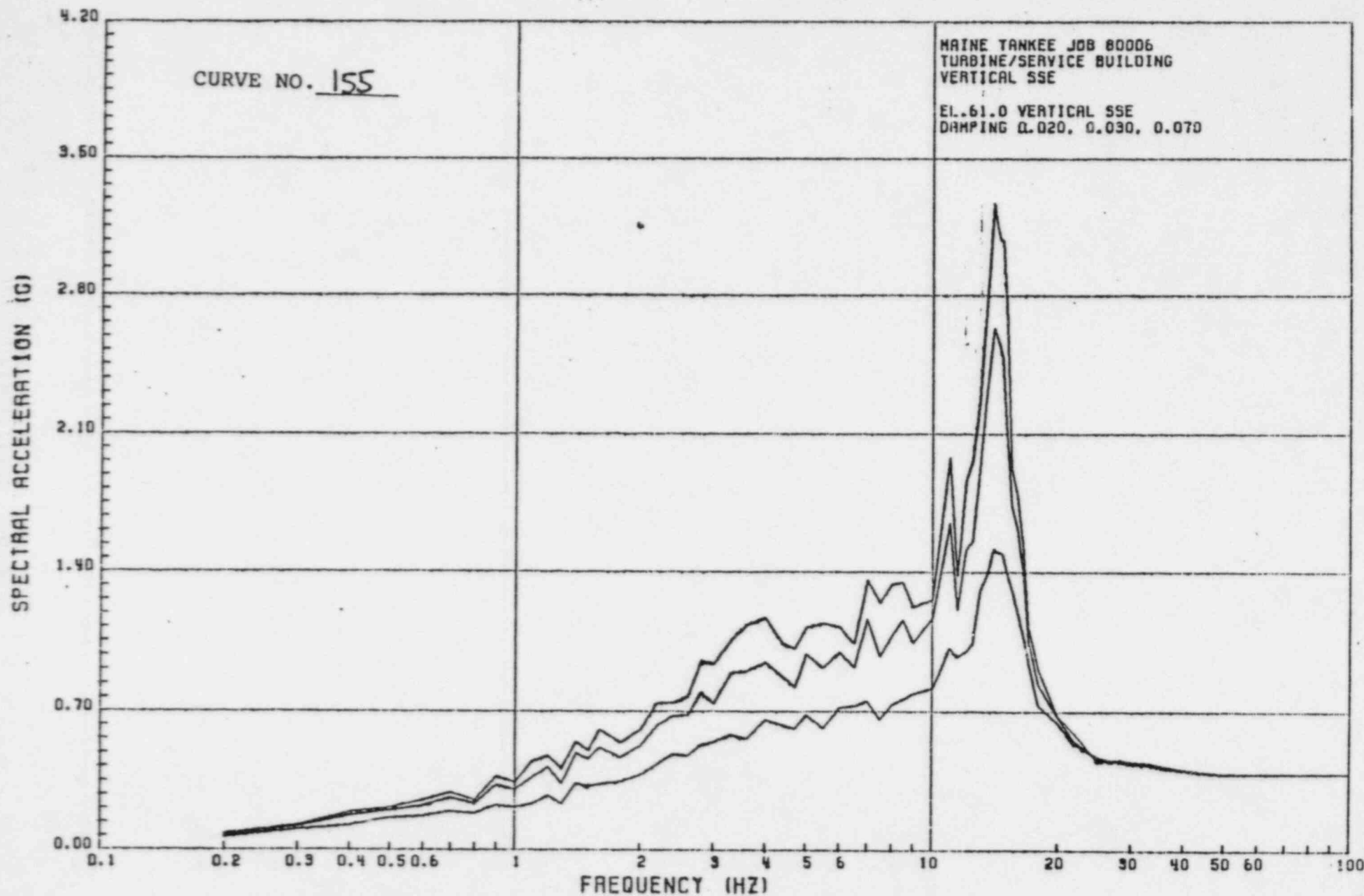


EARTHQUAKE ENGINEERING SYSTEMS

EES

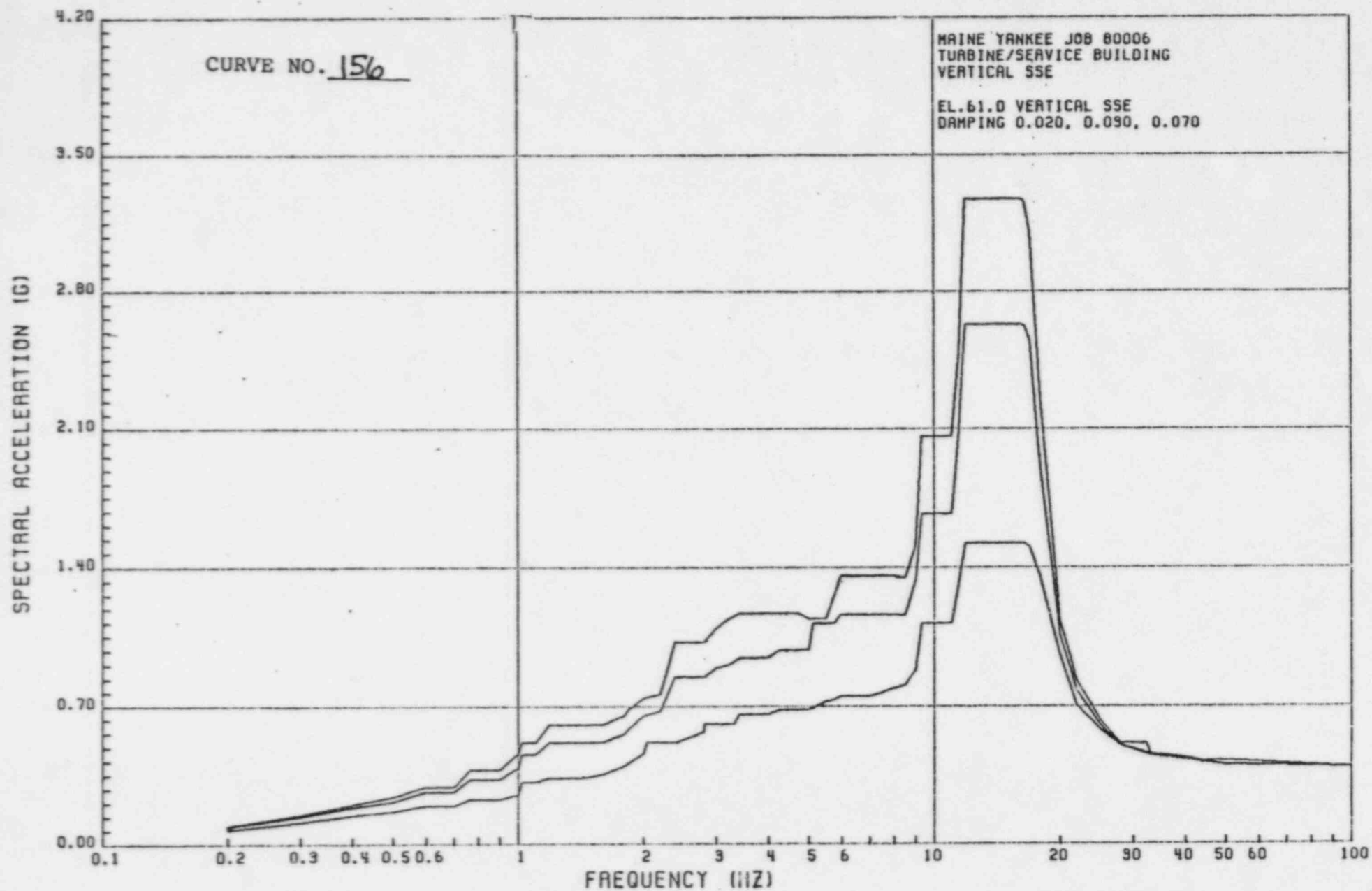
CURVE NO. 155

MAINE TANKEE JOB 80006
TURBINE/SERVICE BUILDING
VERTICAL SSE
EL. 61.0 VERTICAL SSE
DAMPING 0.020, 0.030, 0.070

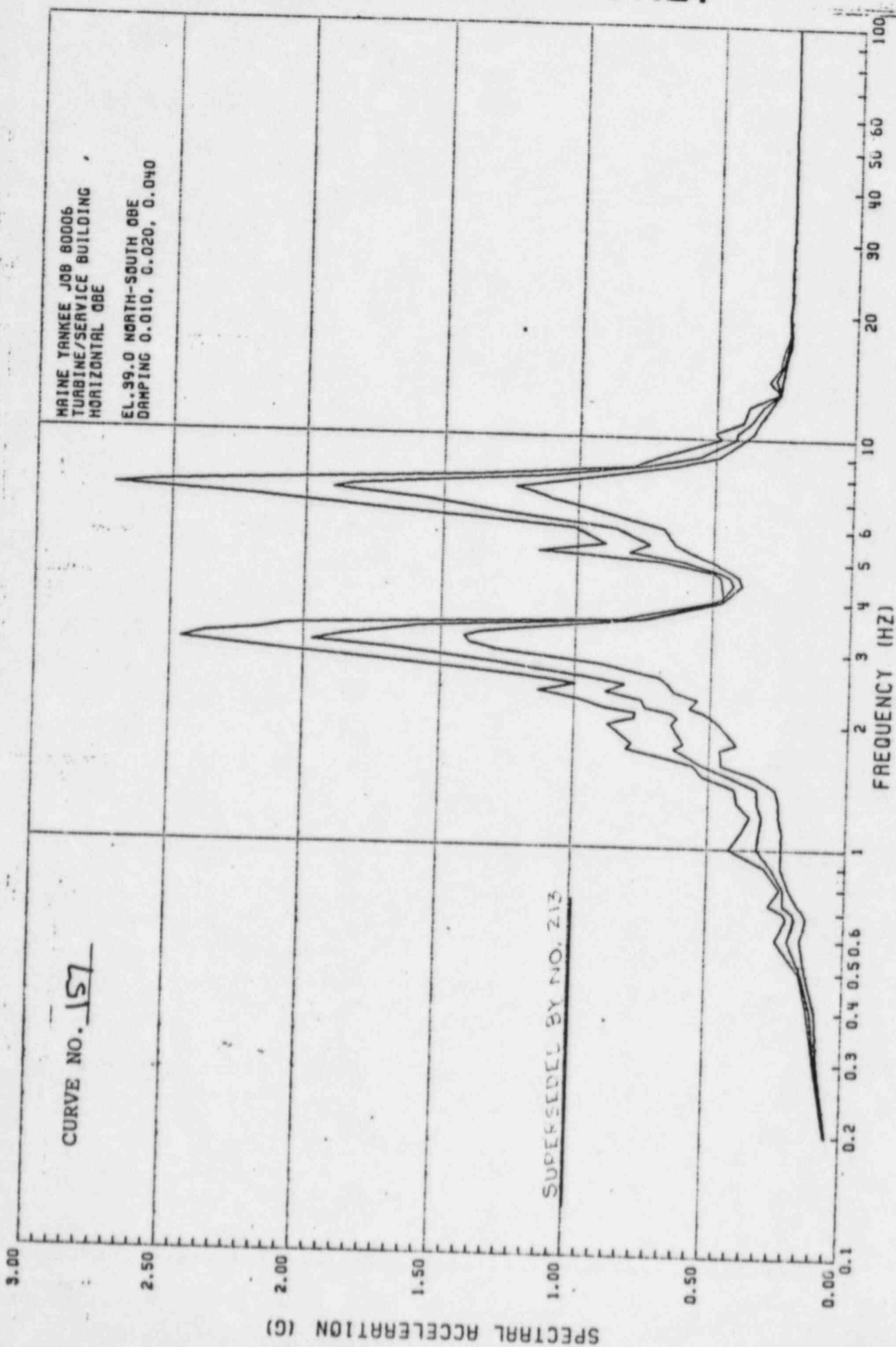


FOR INFORMATION ONLY

EES



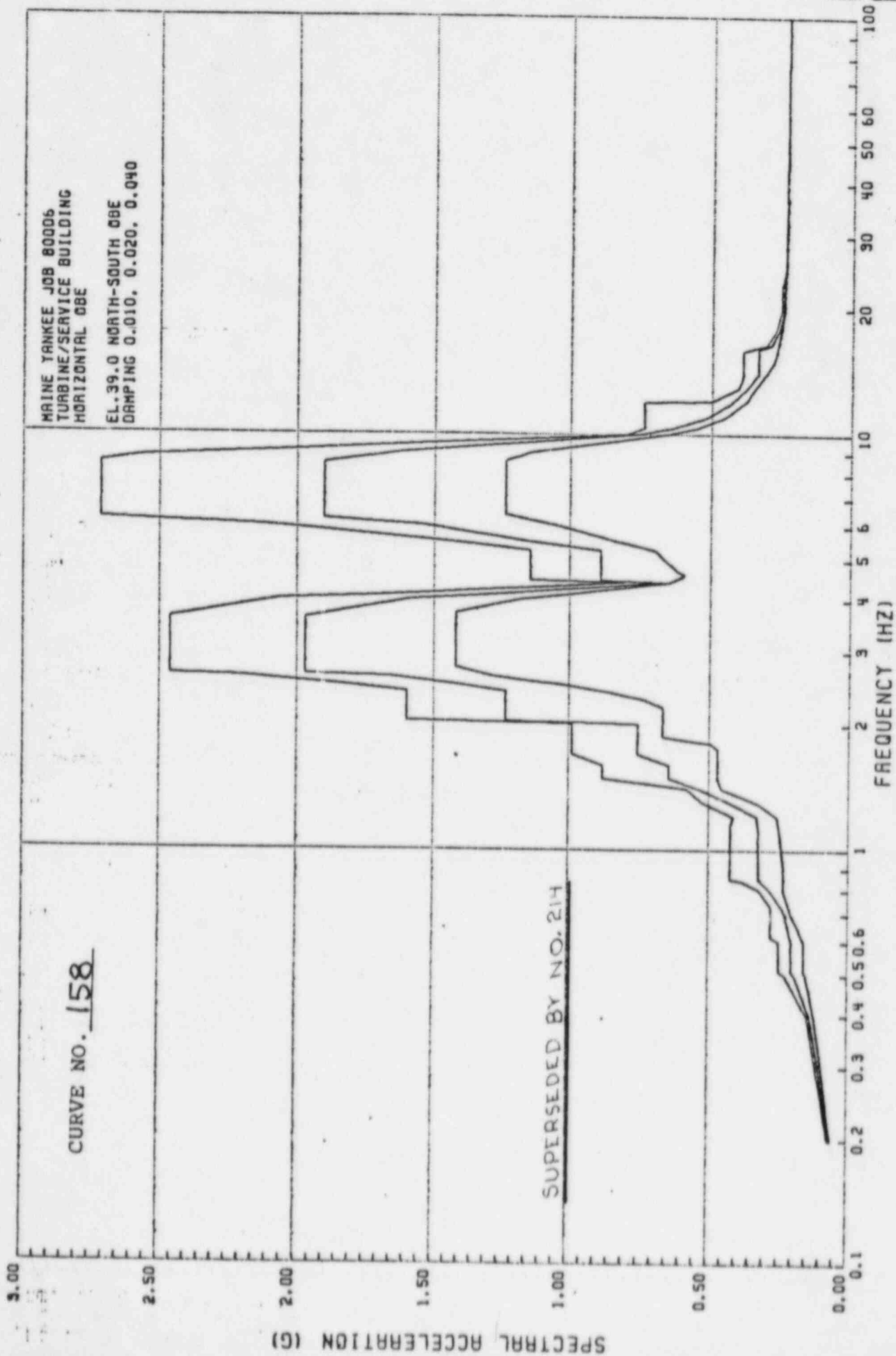
FOR INFORMATION ONLY



EARTHQUAKE ENGINEERING SYSTEMS

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EARTHQUAKE ENGINEERING SYSTEMS



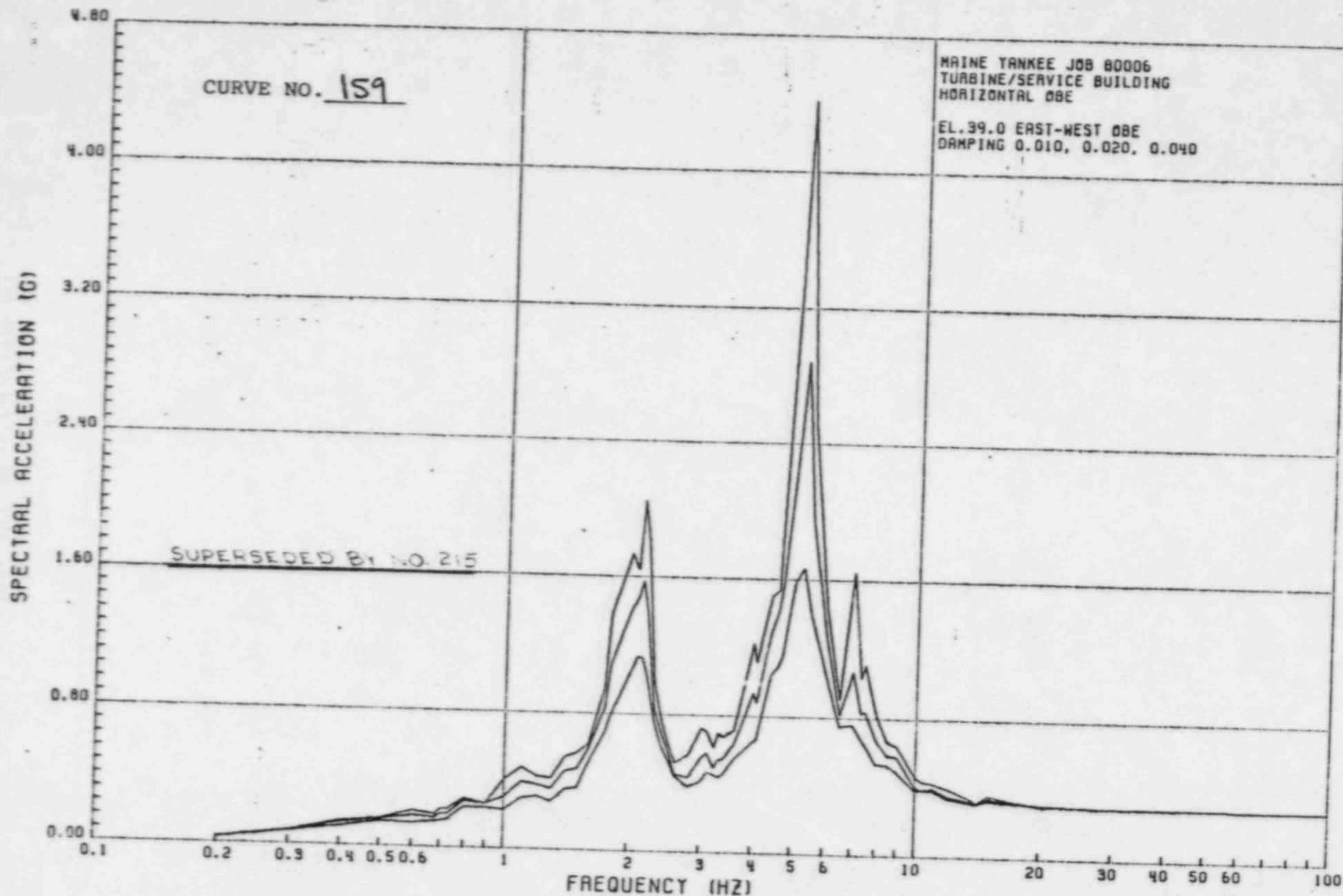
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CURVE NO. 159

MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL OBE

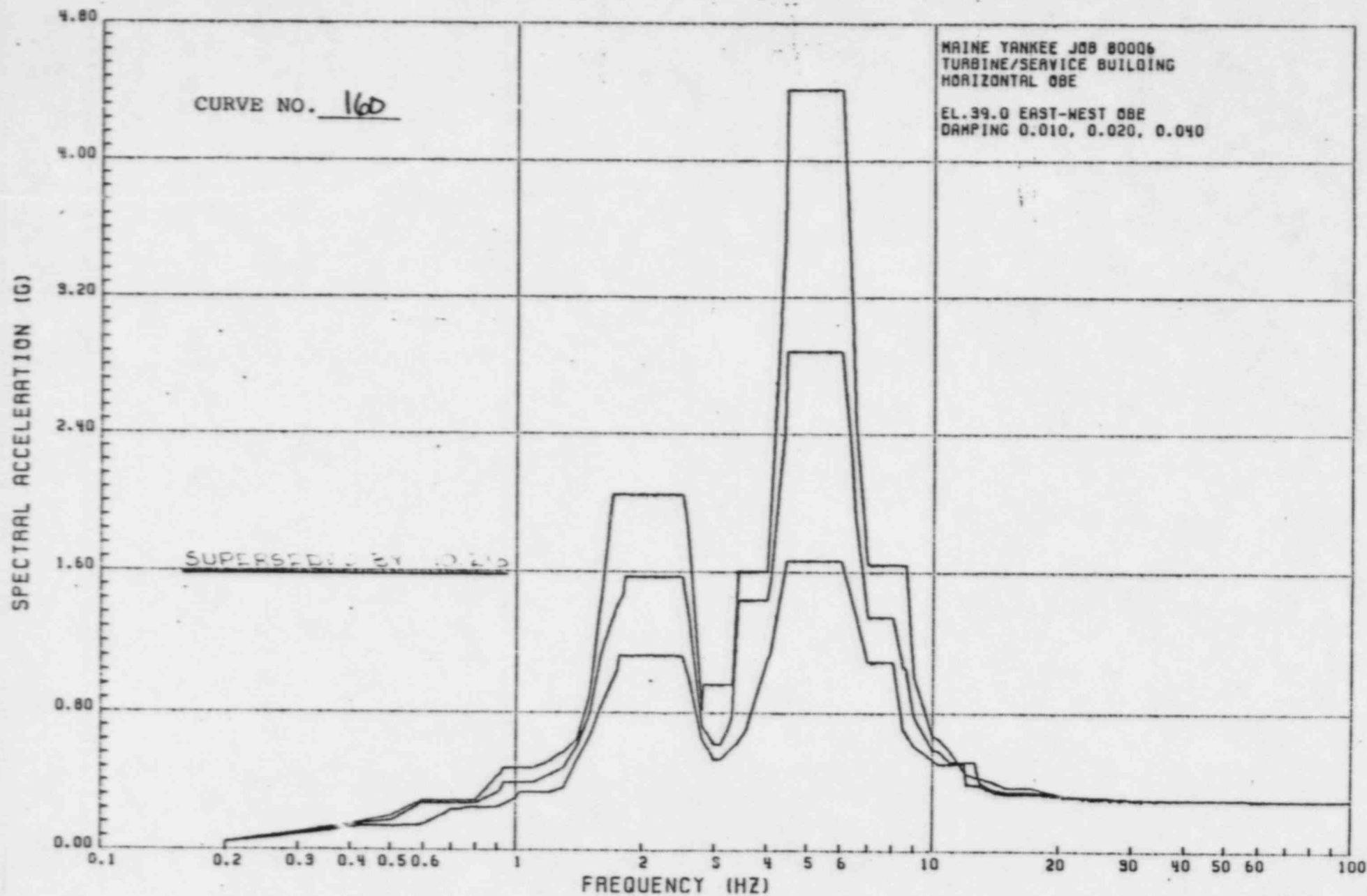
EL. 39.0 EAST-WEST OBE
DAMPING 0.010, 0.020, 0.040

SUPERSEDED BY NO. 215



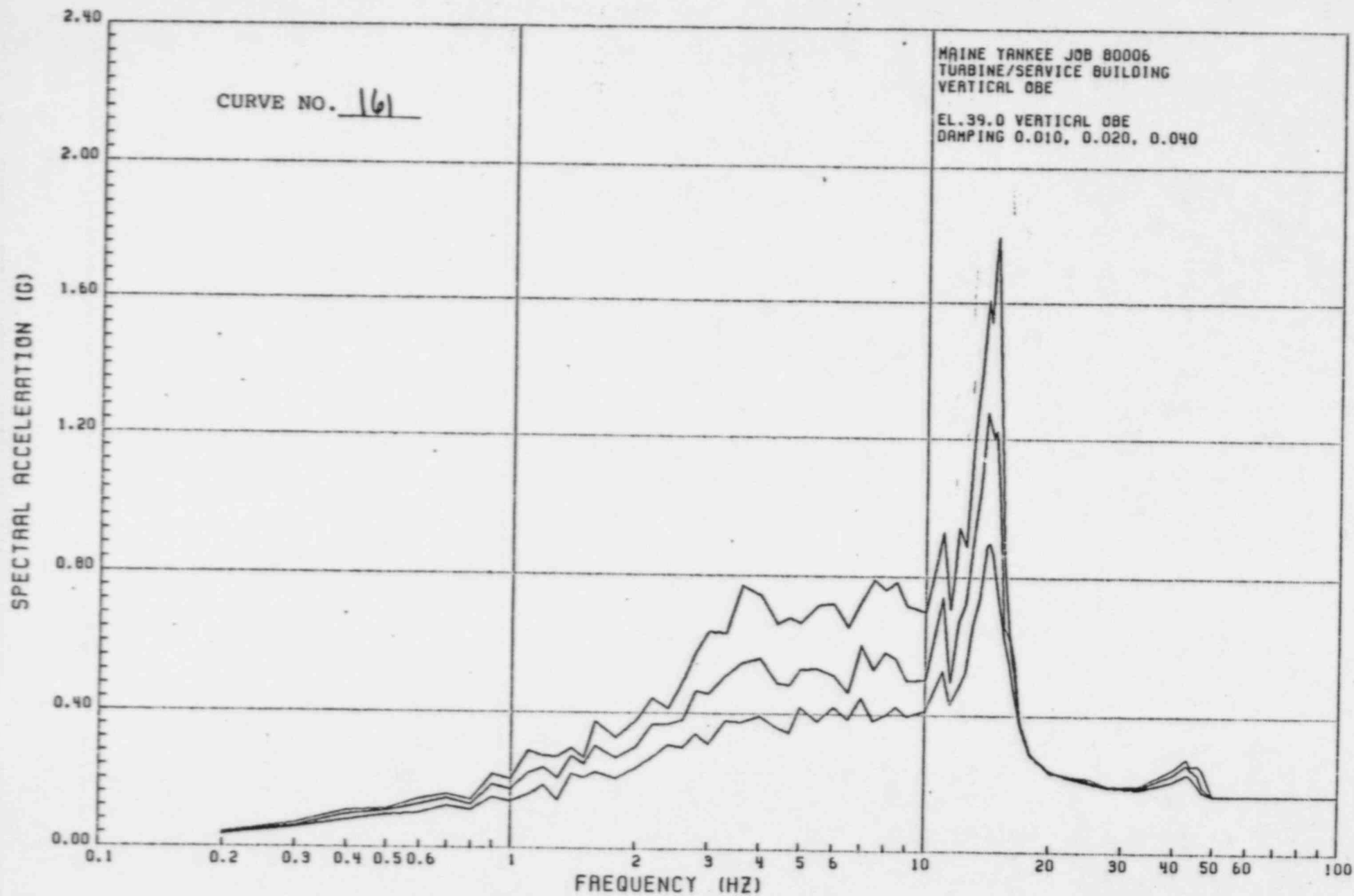
EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

EES



FOR INFORMATION ONLY

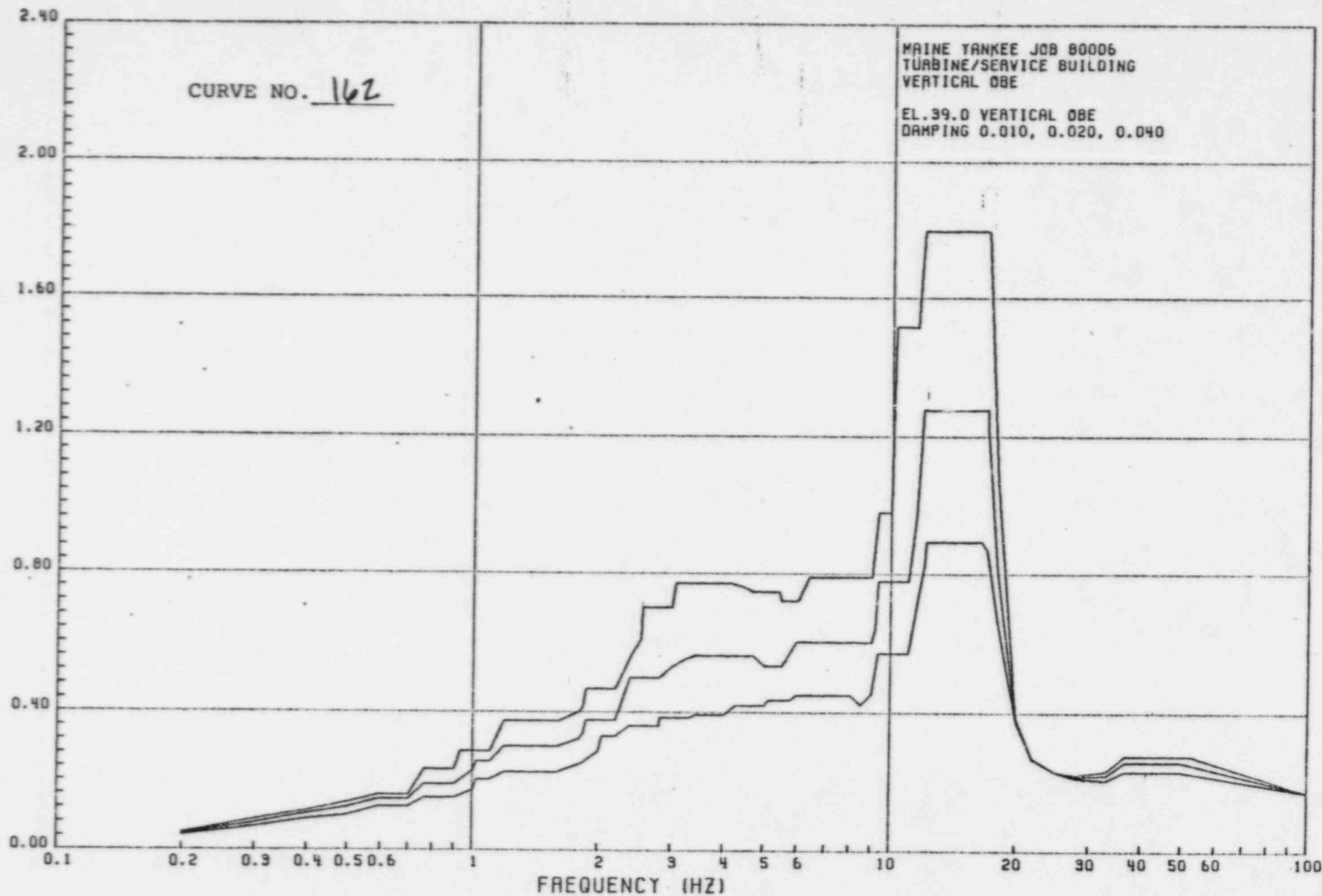
EES

CURVE NO. 162

MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
VERTICAL OBE

EL. 39.0 VERTICAL OBE
DAMPING 0.010, 0.020, 0.040

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

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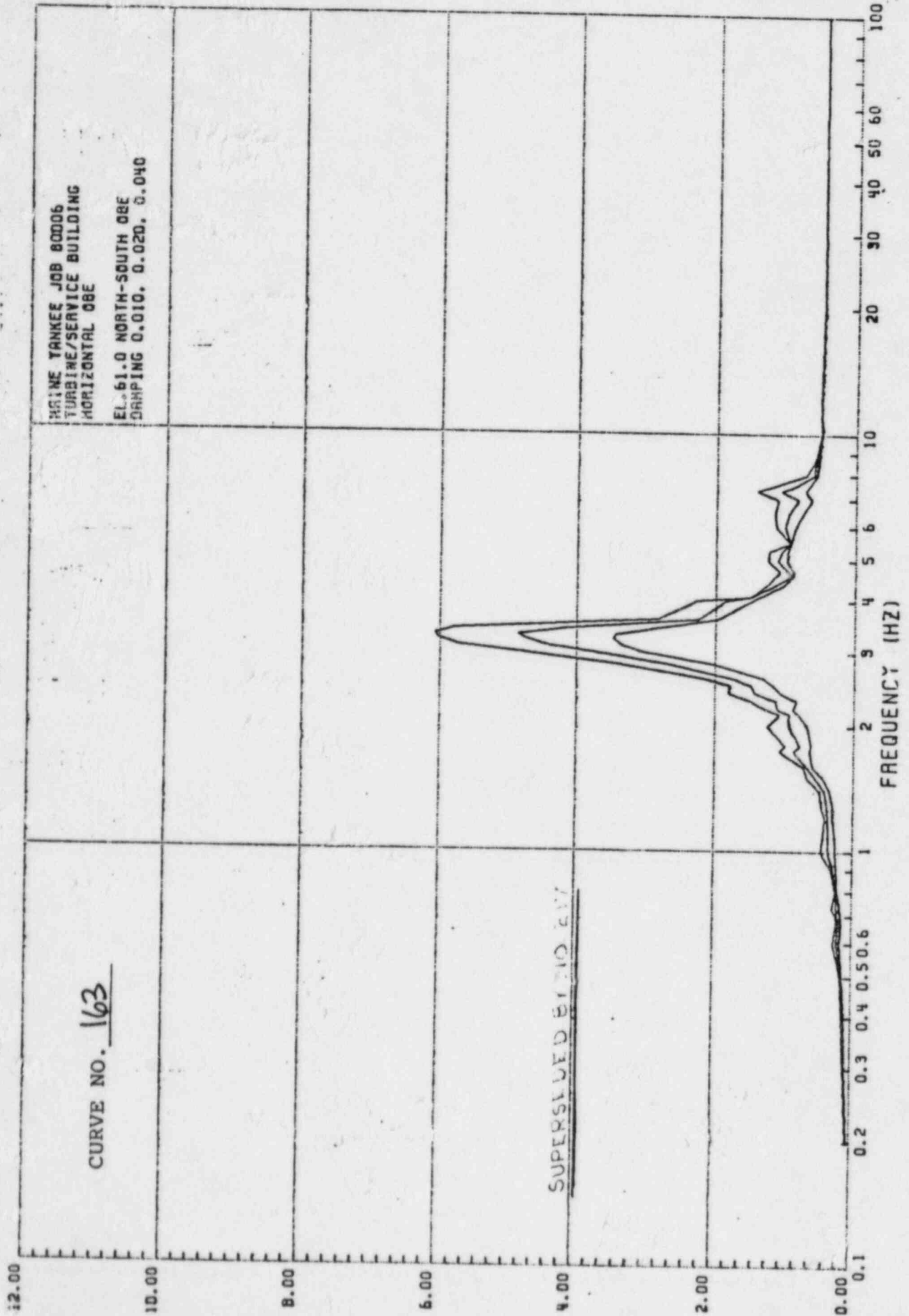
EES

CURVE NO. 163

MAINE TANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL 08E
EL. 61.0 NORTH-SOUTH 08E
DAMPING 0.010, 0.020, 0.040

SUPERSEDED BY NO. 217

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

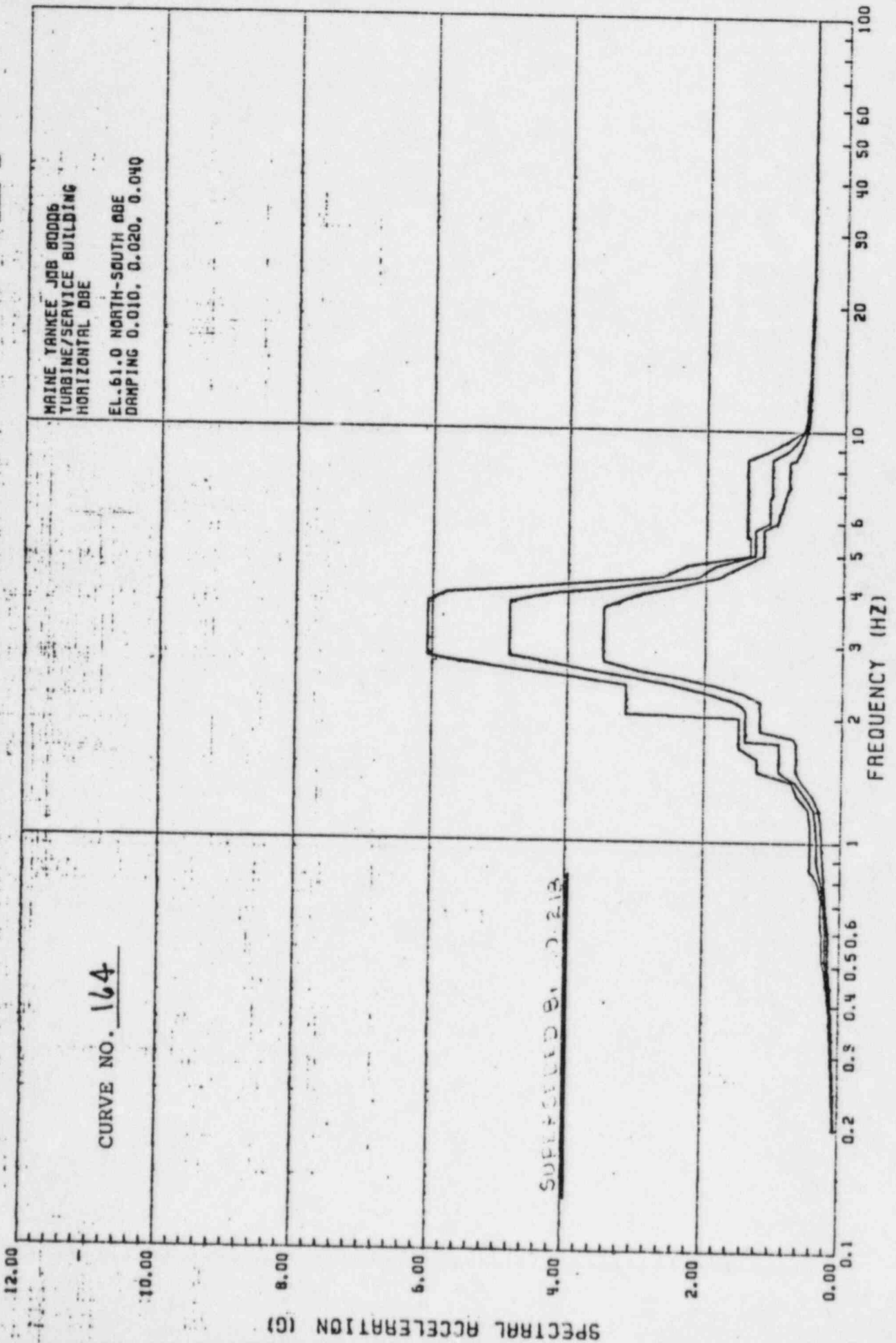
FOR INFORMATION ONLY

EES

CURVE NO. 164

MAINE TANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL DBE
EL. 61.0 NORTH-SOUTH DBE
DAMPING 0.010, 0.020, 0.040

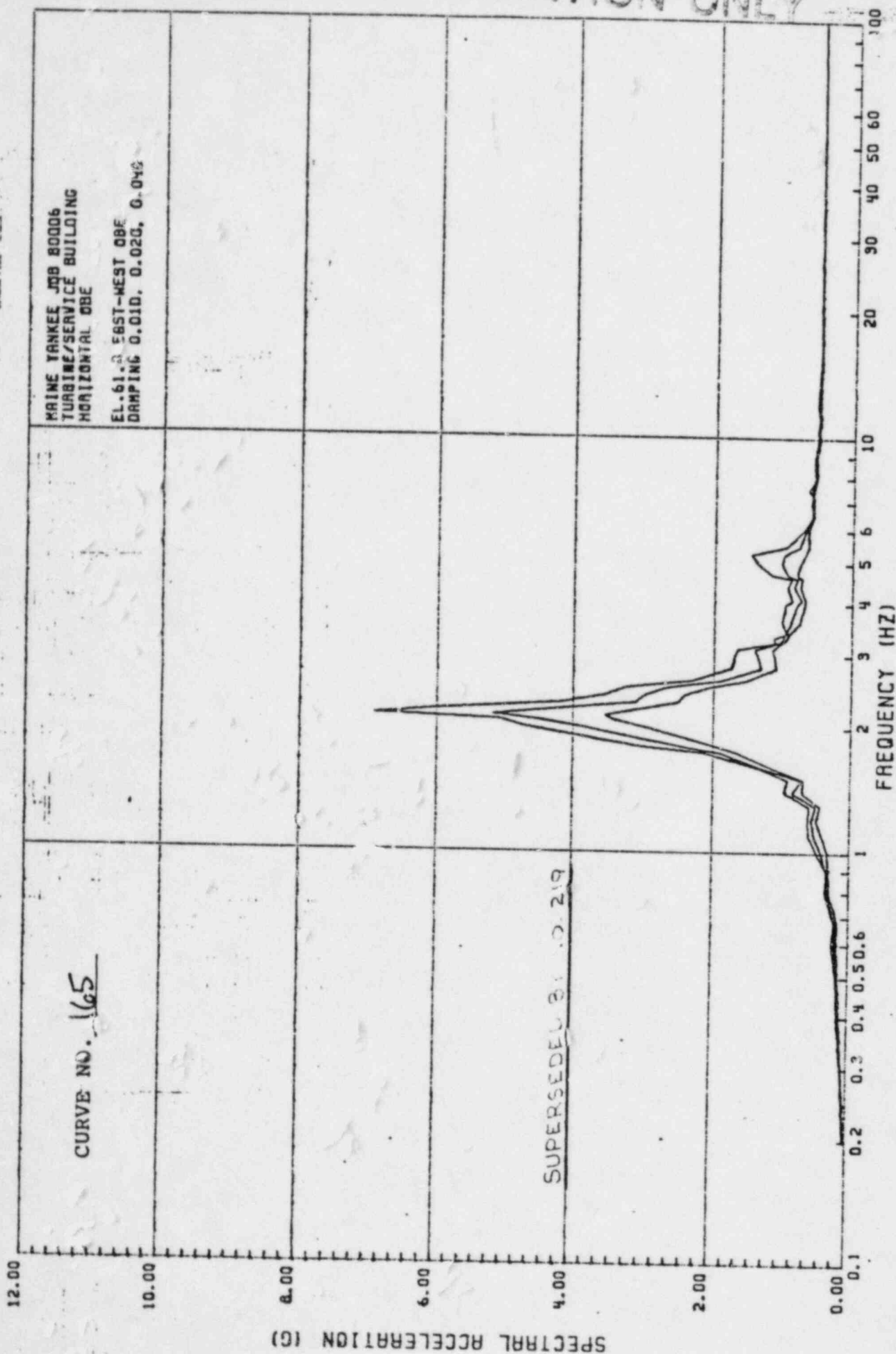
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EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

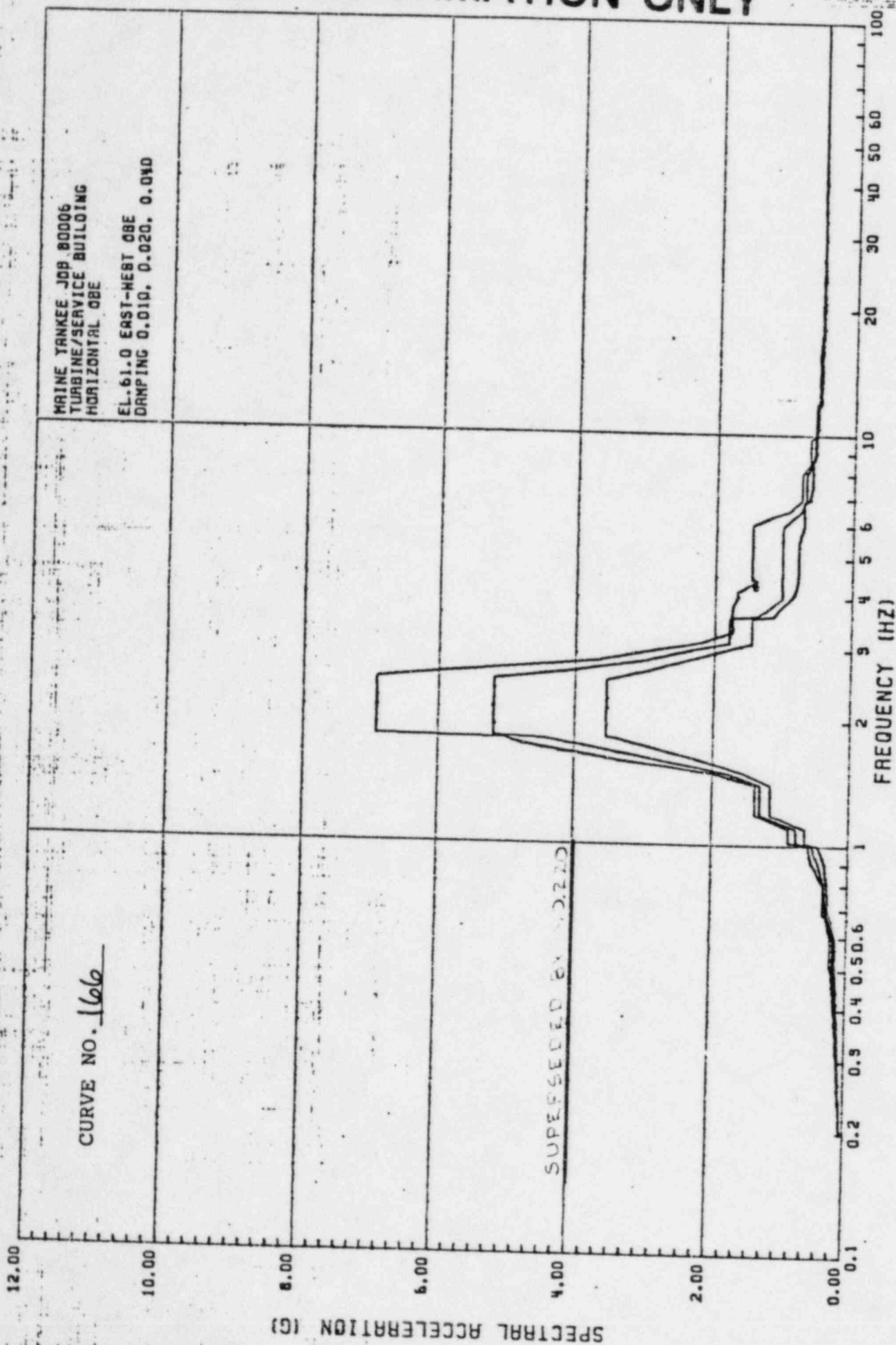
EES



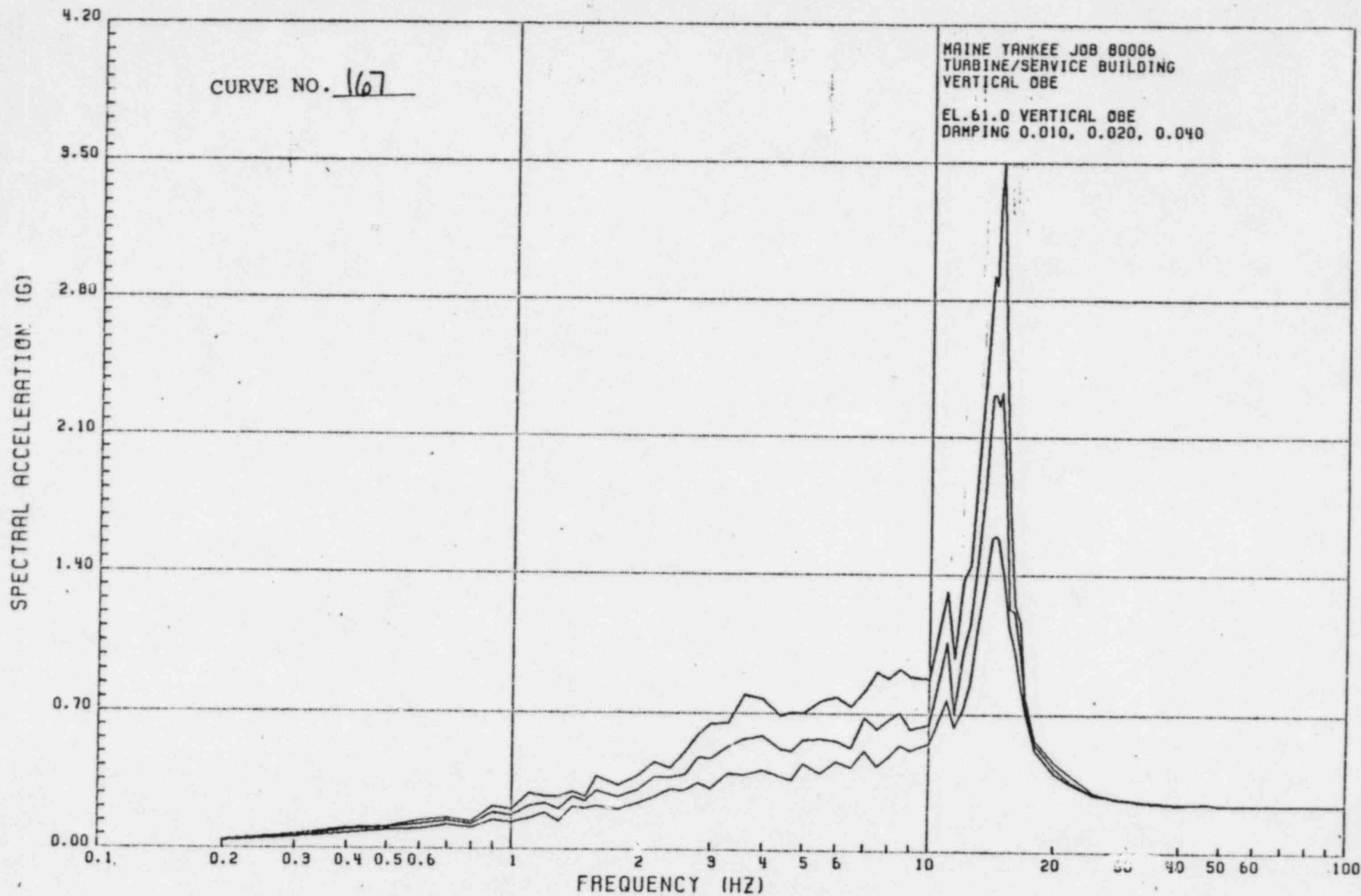
EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS



EES



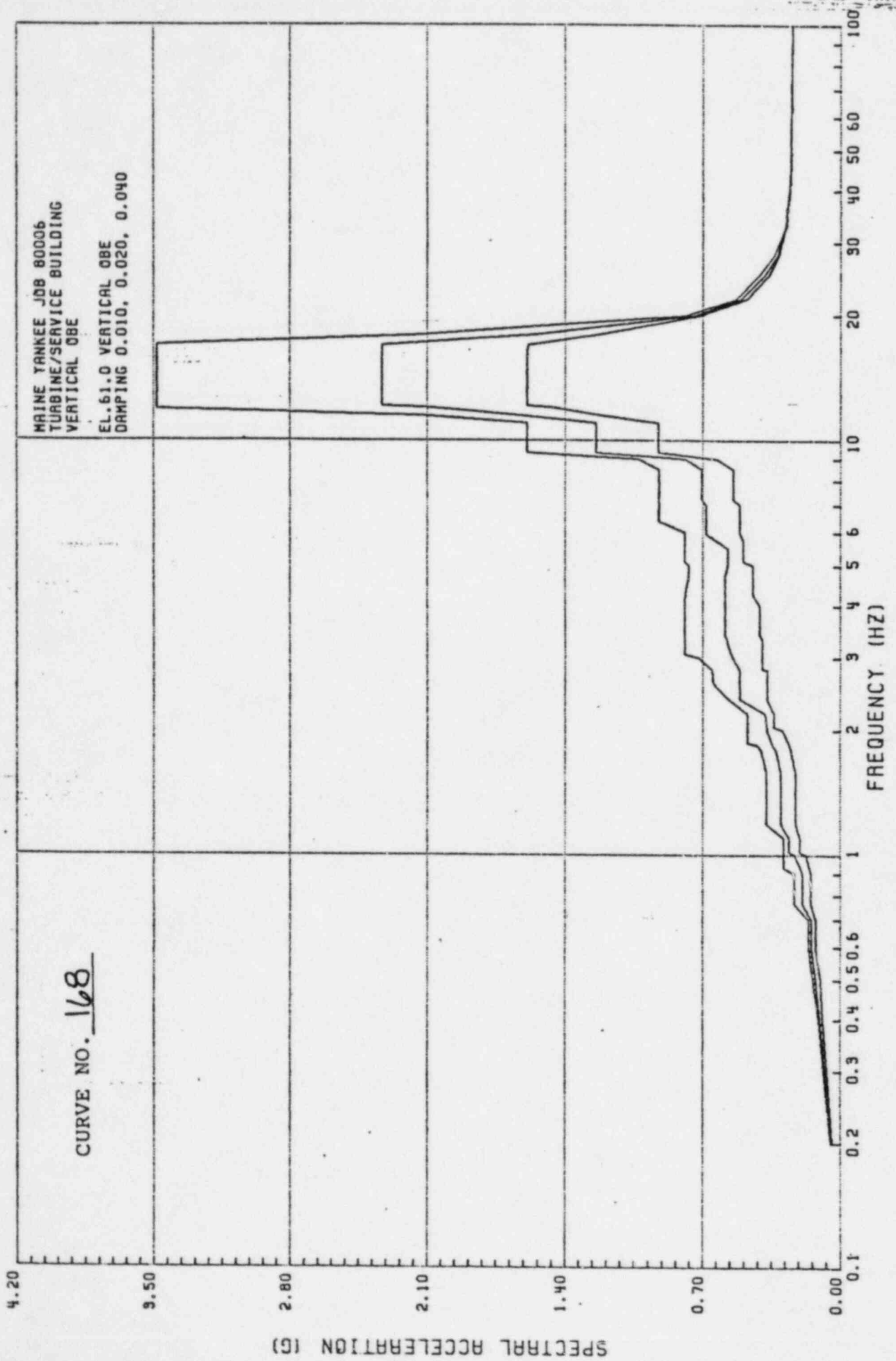
FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES

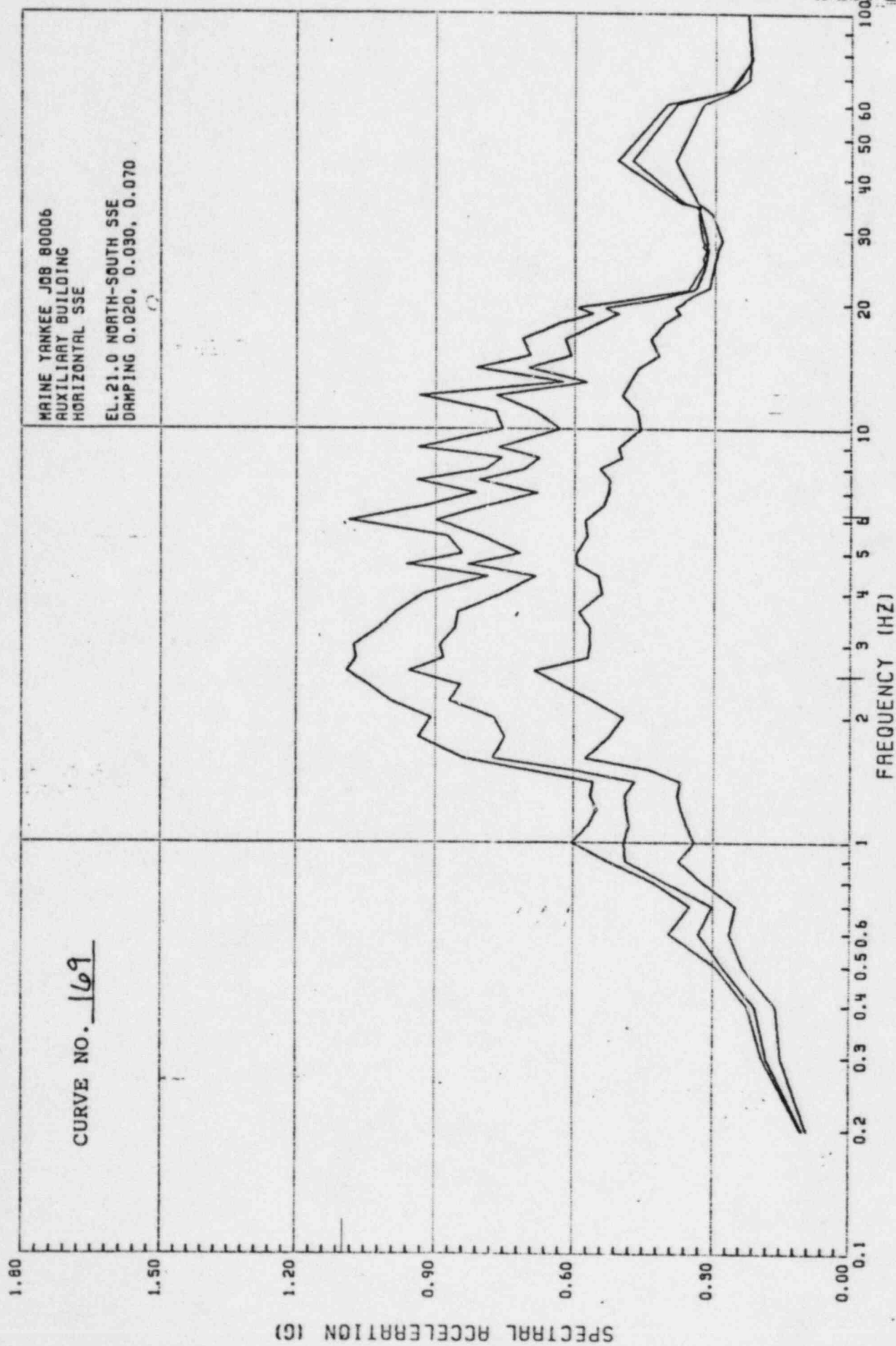
CURVE NO. 168



EARTHQUAKE ENGINEERING SYSTEMS

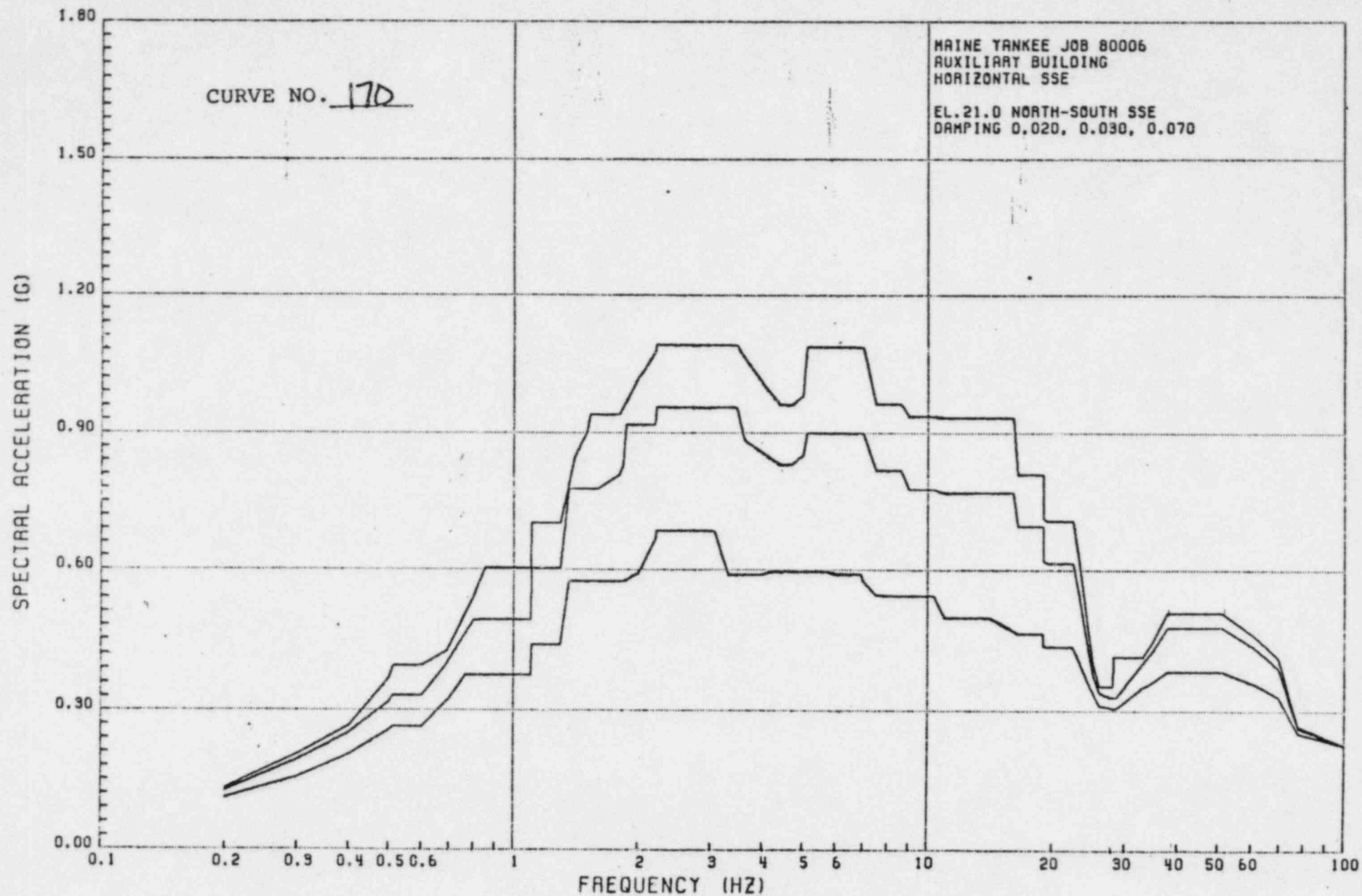
FOR INFORMATION ONLY

EES



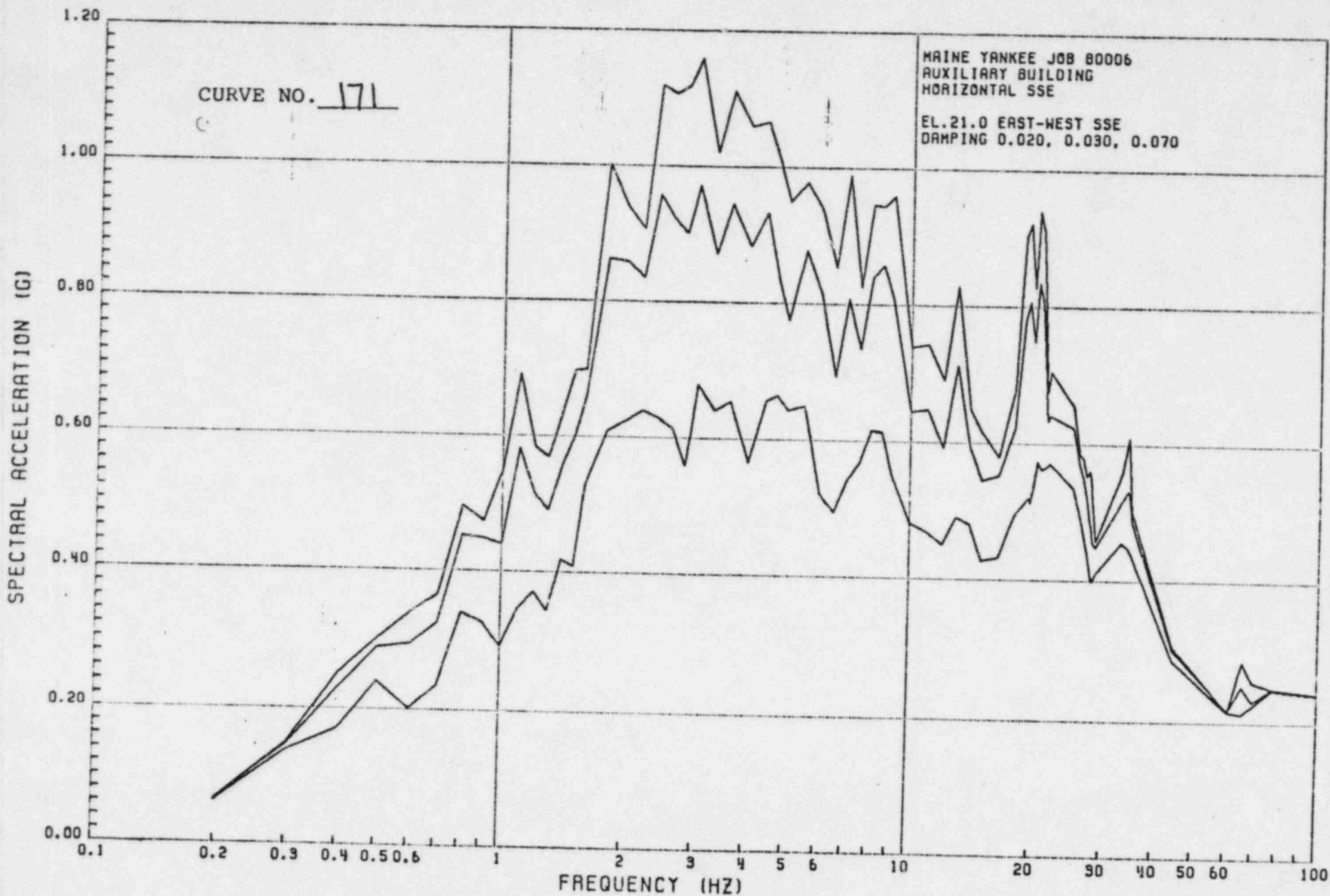
EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

EES

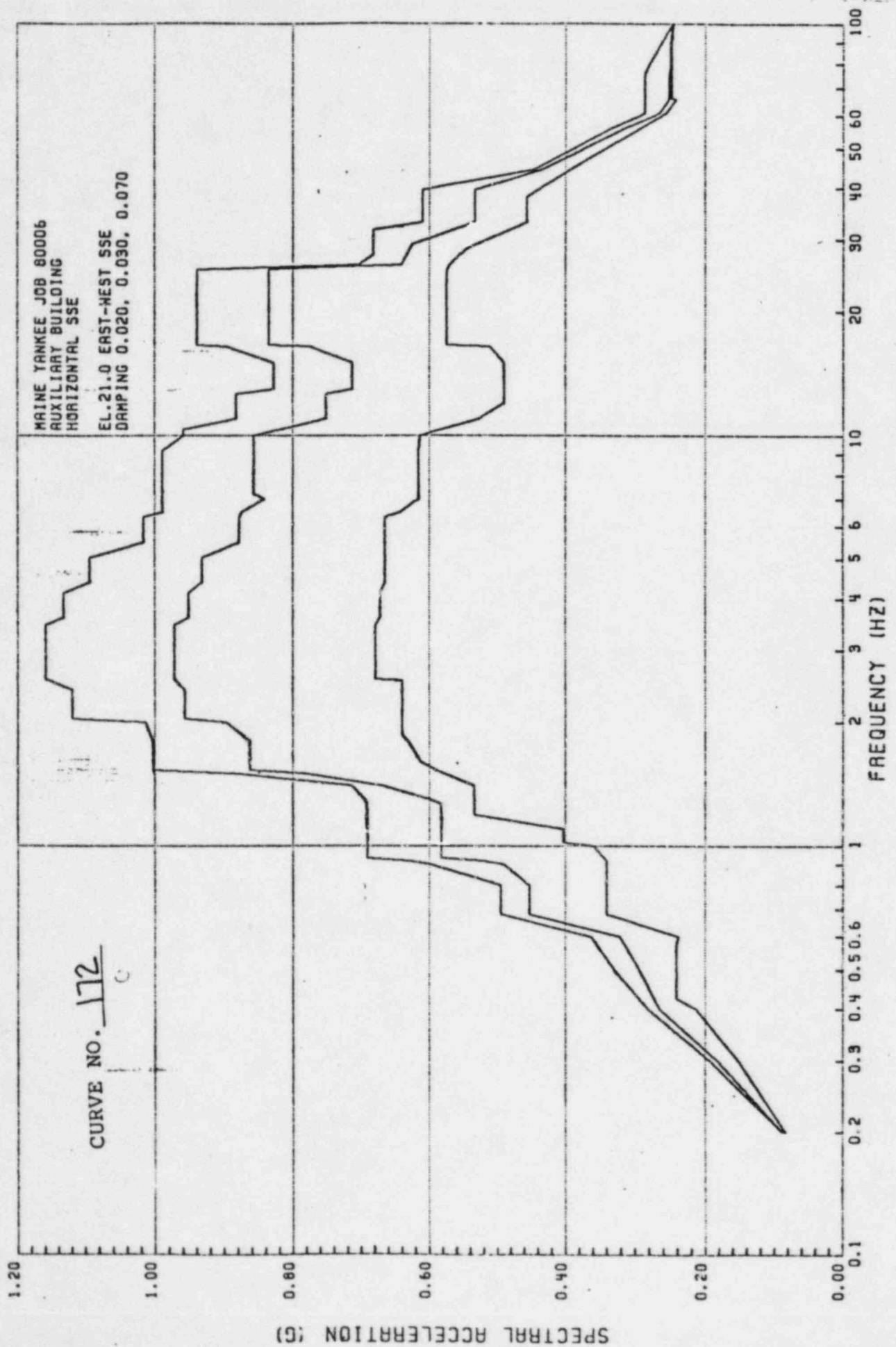


FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

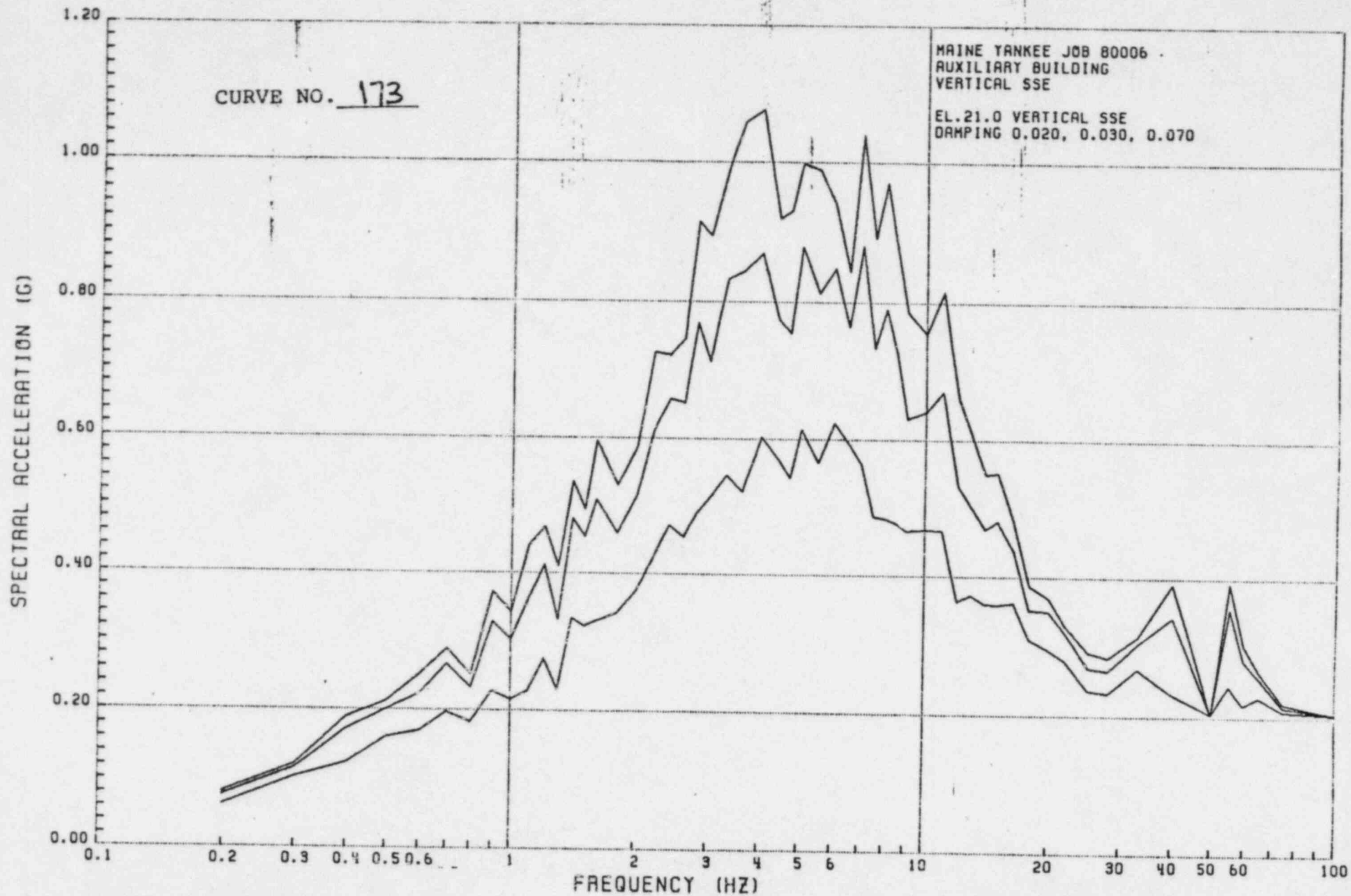
FOR INFORMATION ONLY

EES



EARTHQUAKE ENGINEERING SYSTEMS

L.S



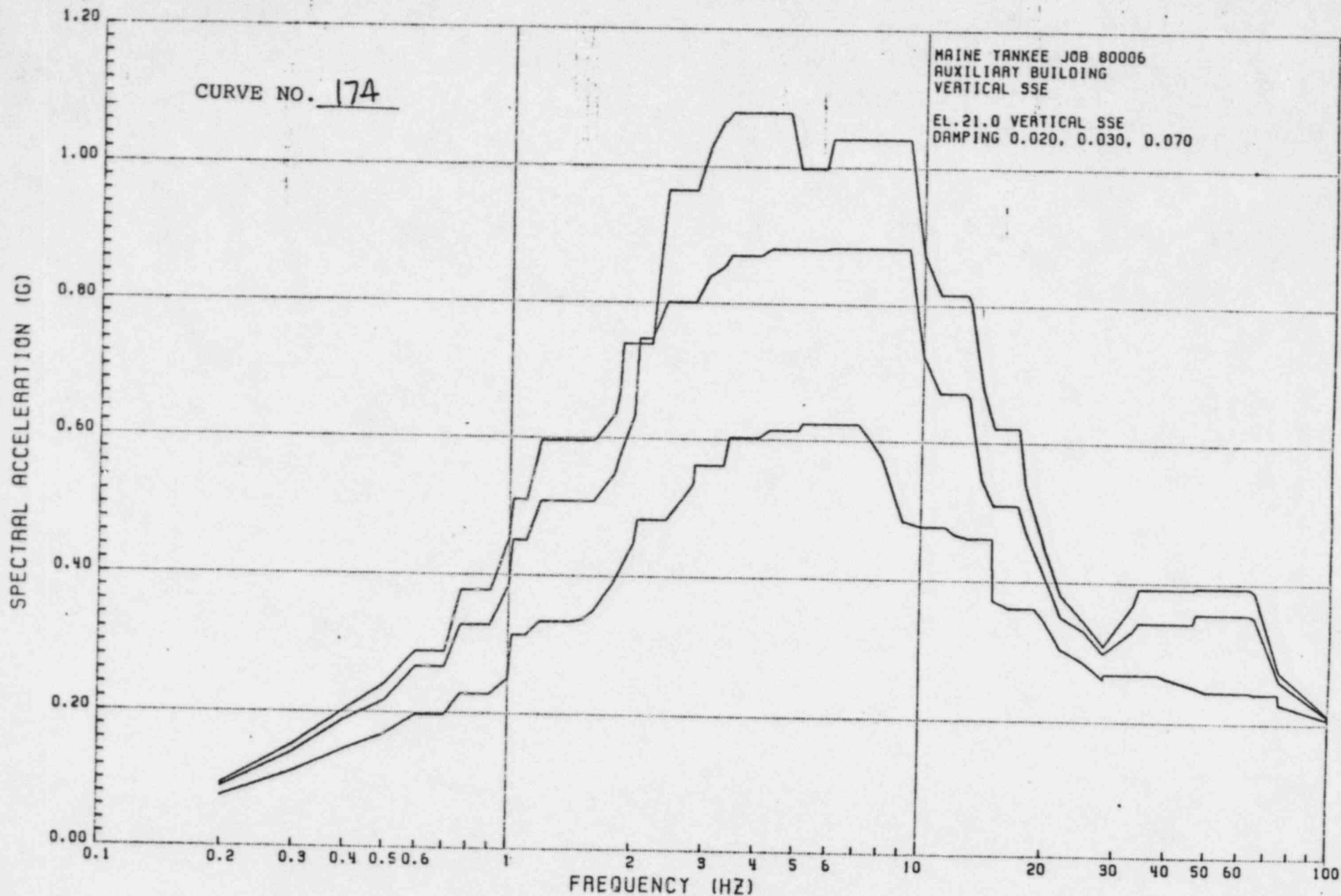
FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 174

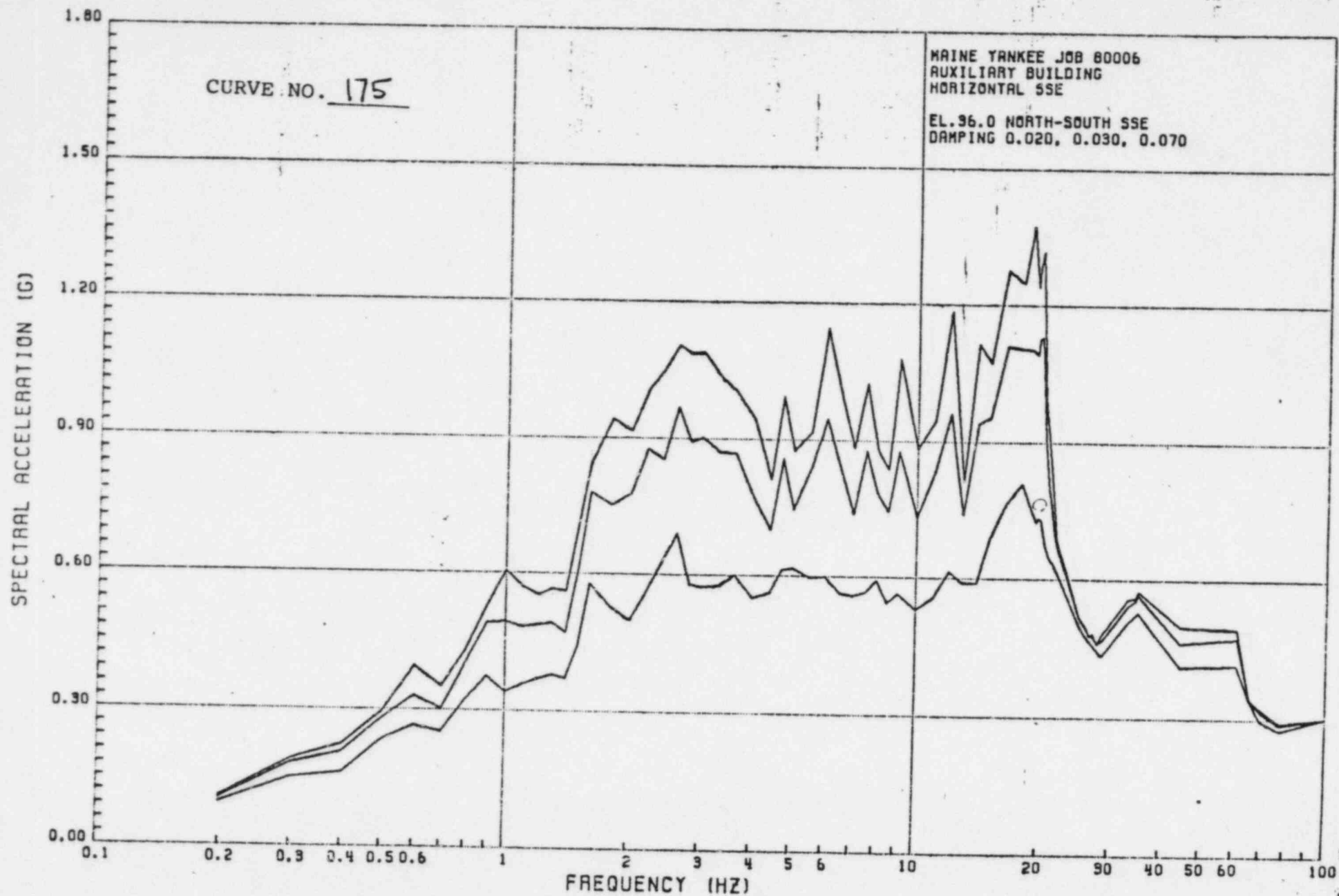
MAINE YANKEE JOB 80006
AUXILIARY BUILDING
VERTICAL SSE
EL. 21.0 VERTICAL SSE
DAMPING 0.020, 0.030, 0.070



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

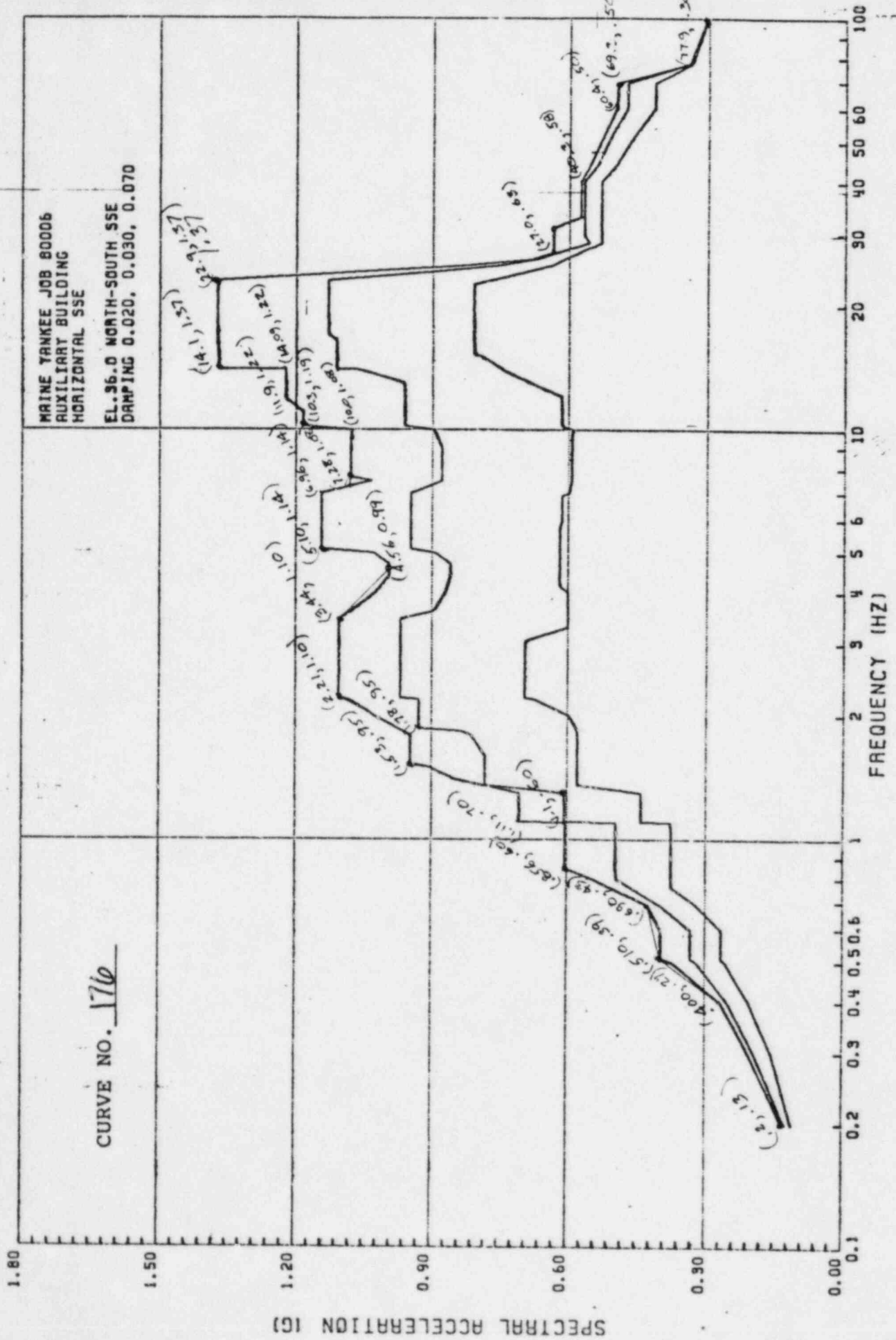


FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS



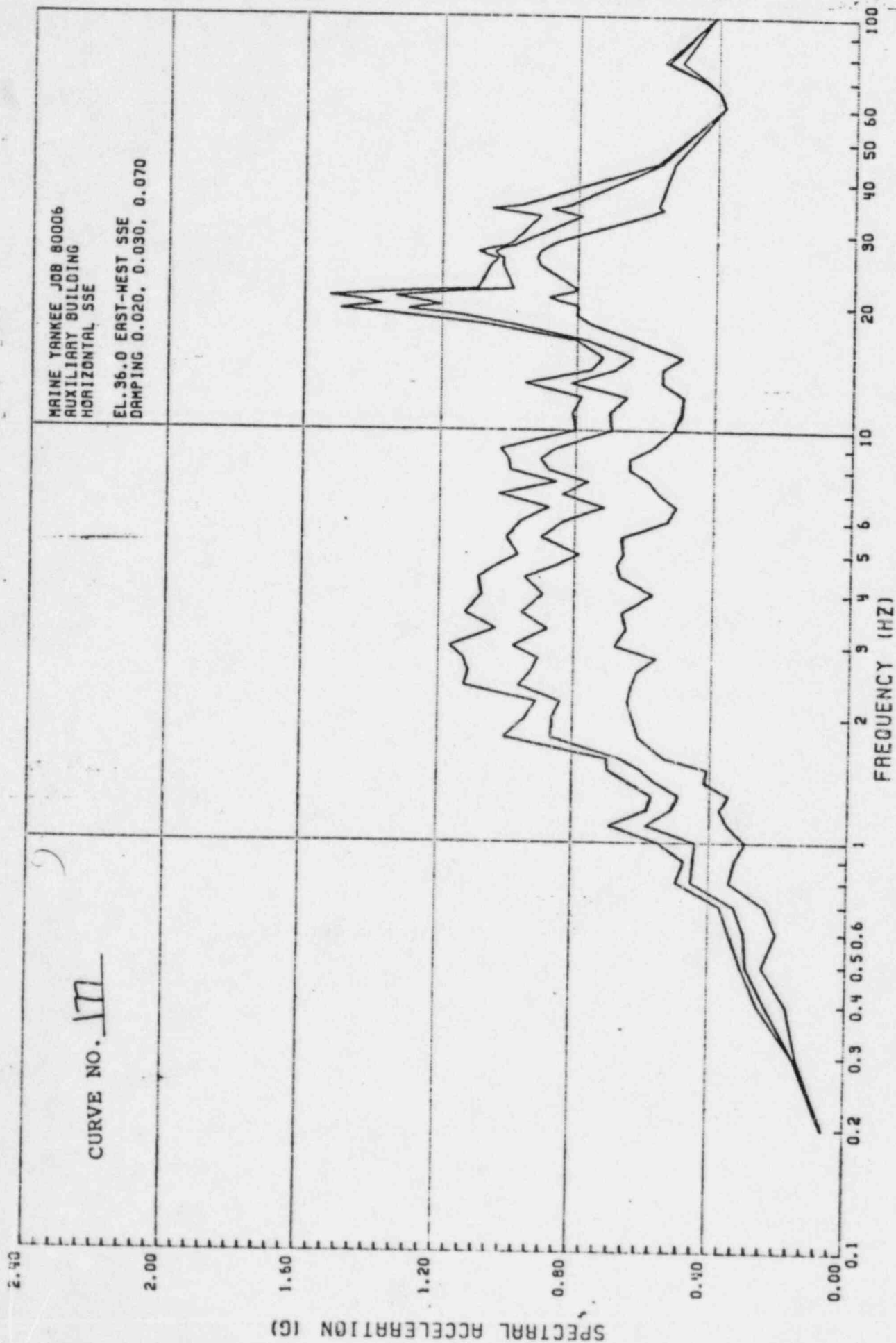
SPECTRAL ACCELERATION (G)

FREQUENCY (HZ)

EES

FOR INFORMATION ONLY

EES



EARTHQUAKE ENGINEERING SYSTEMS

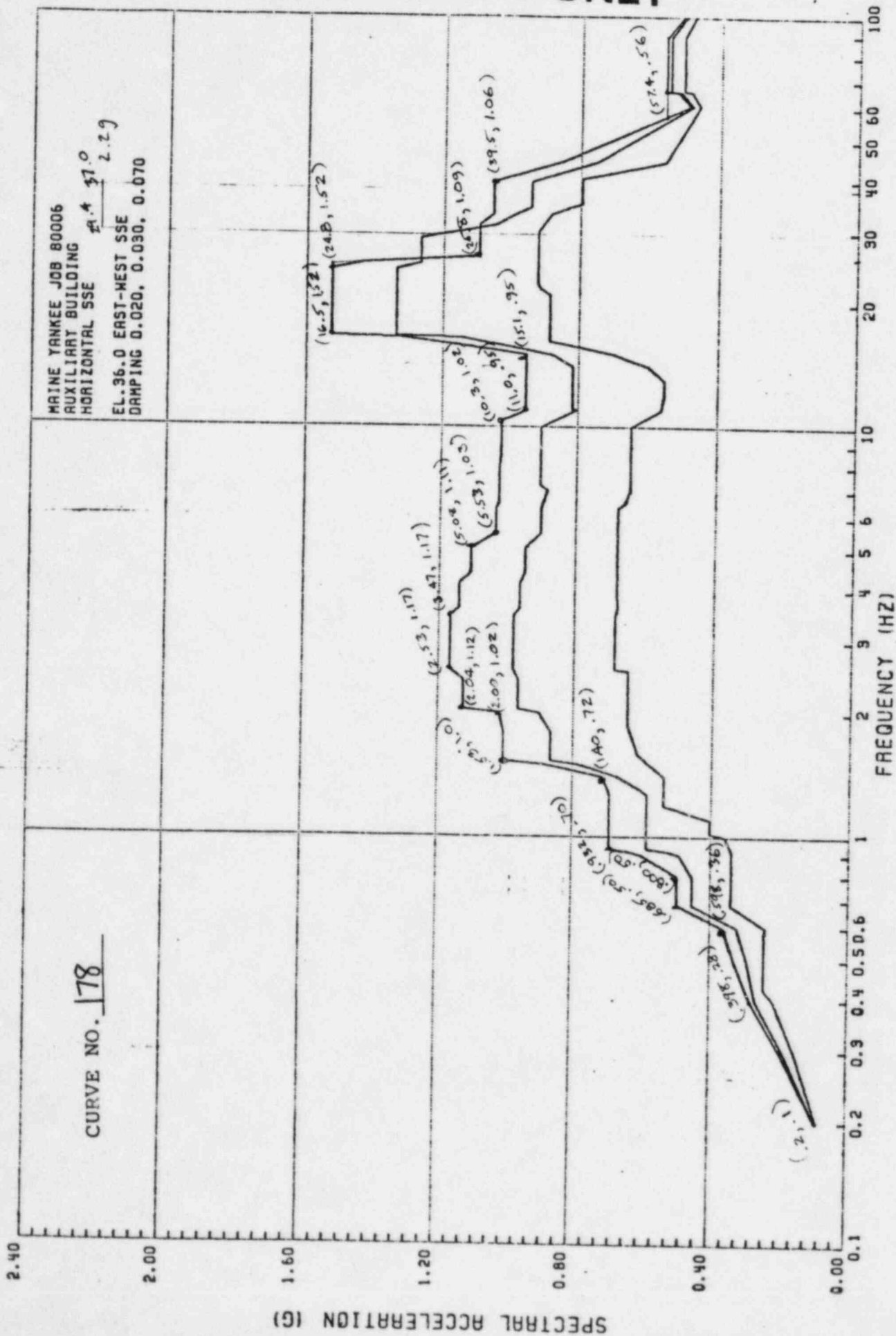
FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

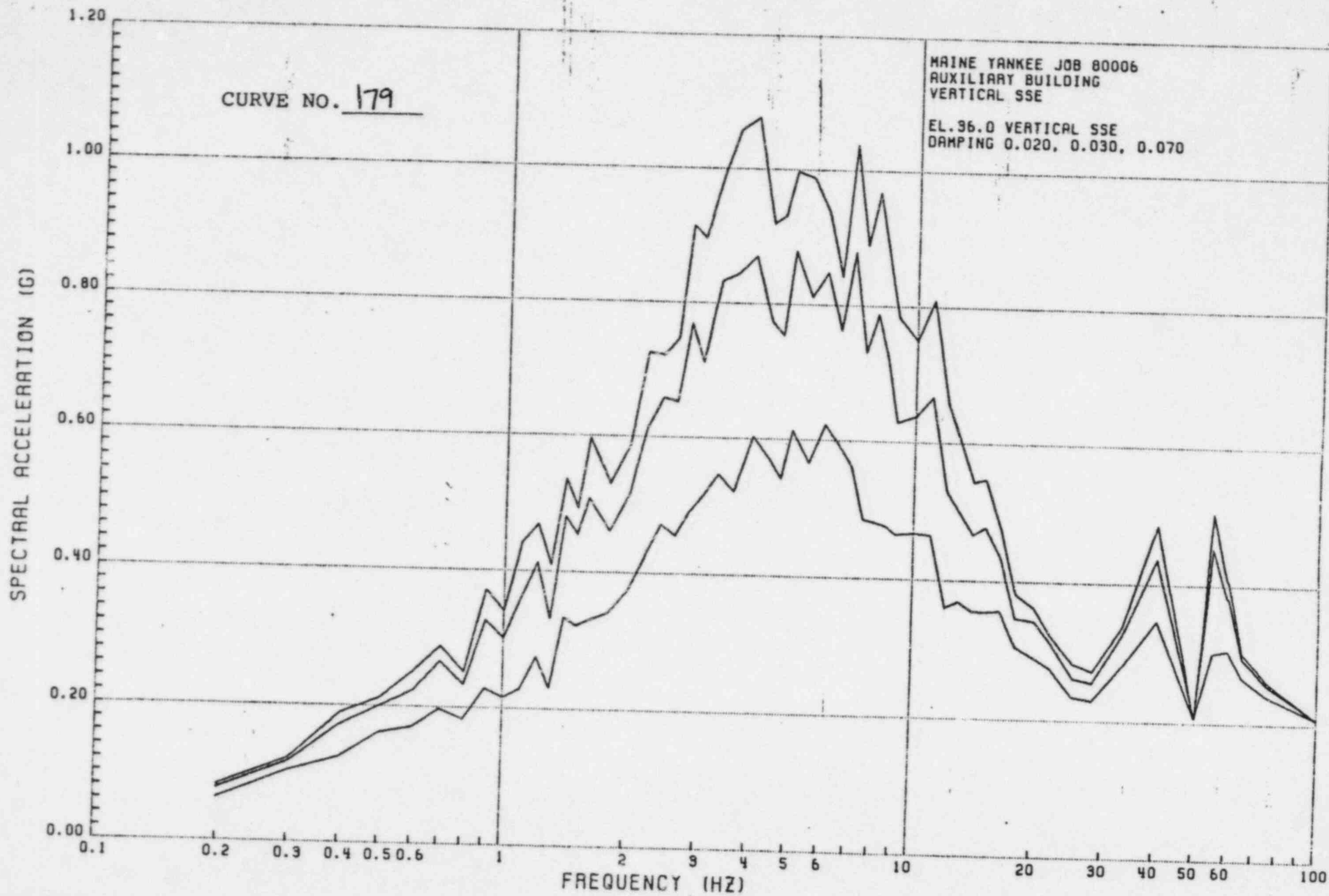
EES

CURVE NO. 178

MAINE YANKEE JOB 80006
 AUXILIARY BUILDING
 HORIZONTAL SSE 2.4 37.0 2.29
 EL. 36.0 EAST-WEST SSE
 DAMPING 0.020, 0.030, 0.070



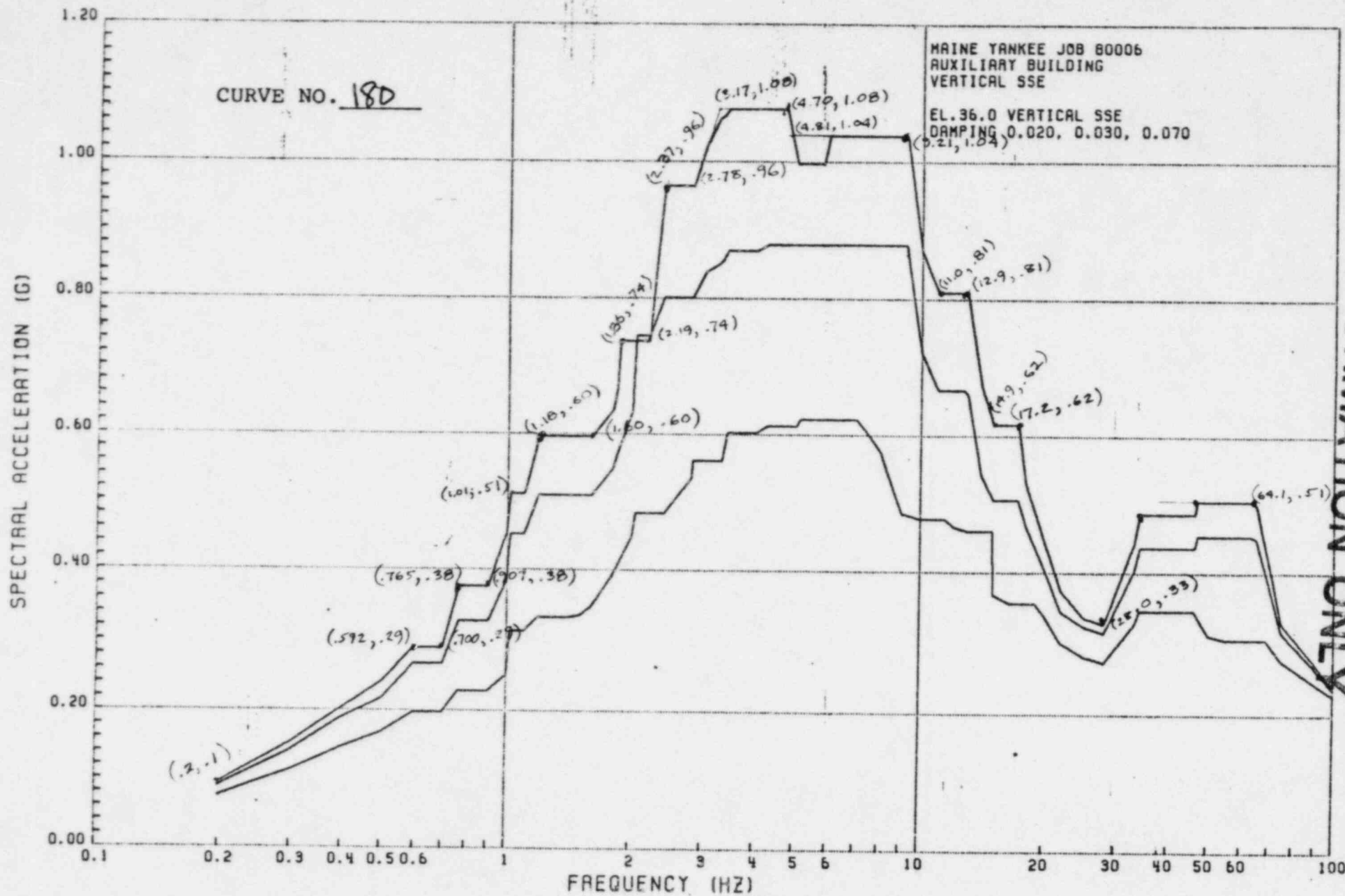
EES



FOR INFORMATION ONLY

EES

1.47 294 37.0



FOR INFORMATION ONLY

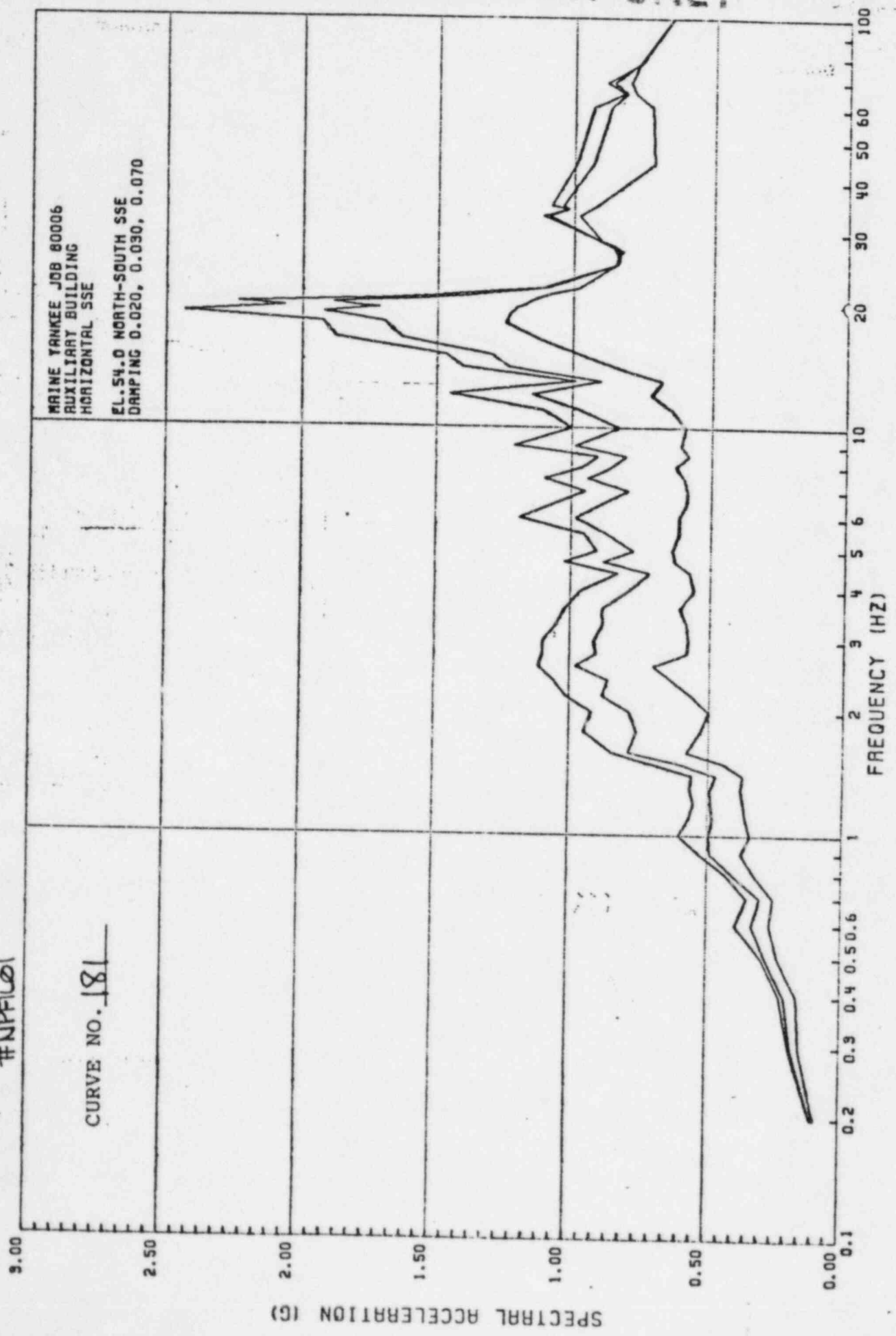
FOR INFORMATION ONLY

EES

#NPPAL01

CURVE NO. 181

MAINE YANKEE JOB 80006
AUXILIARY BUILDING
HORIZONTAL SSE
EL. 54.0 NORTH-SOUTH SSE
DAMPING 0.020, 0.030, 0.070



EARTHQUAKE ENGINEERING SYSTEMS

EES

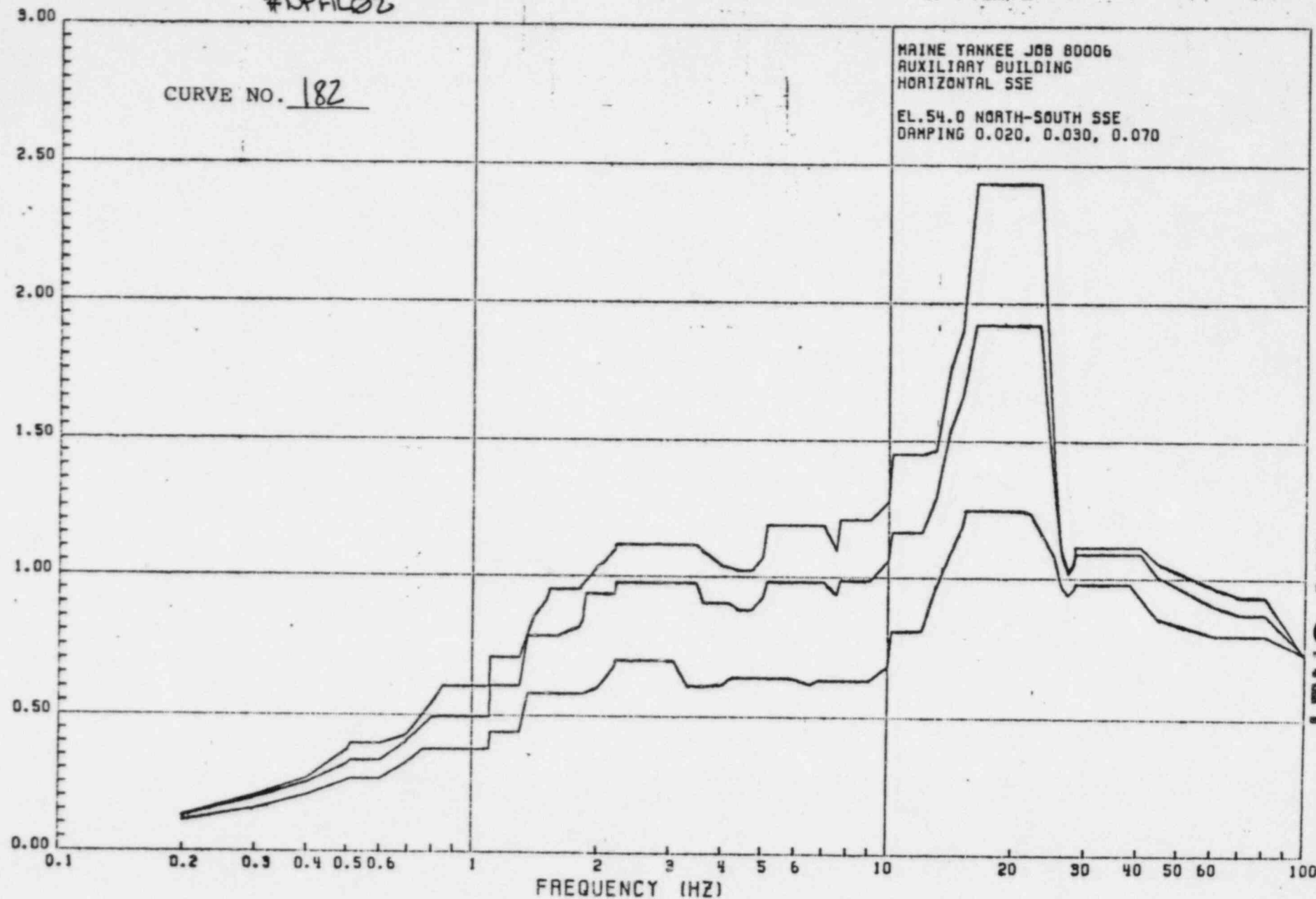
#NPFIL02

CURVE NO. 182

MAINE YANKEE JOB 80006
AUXILIARY BUILDING
HORIZONTAL SSE

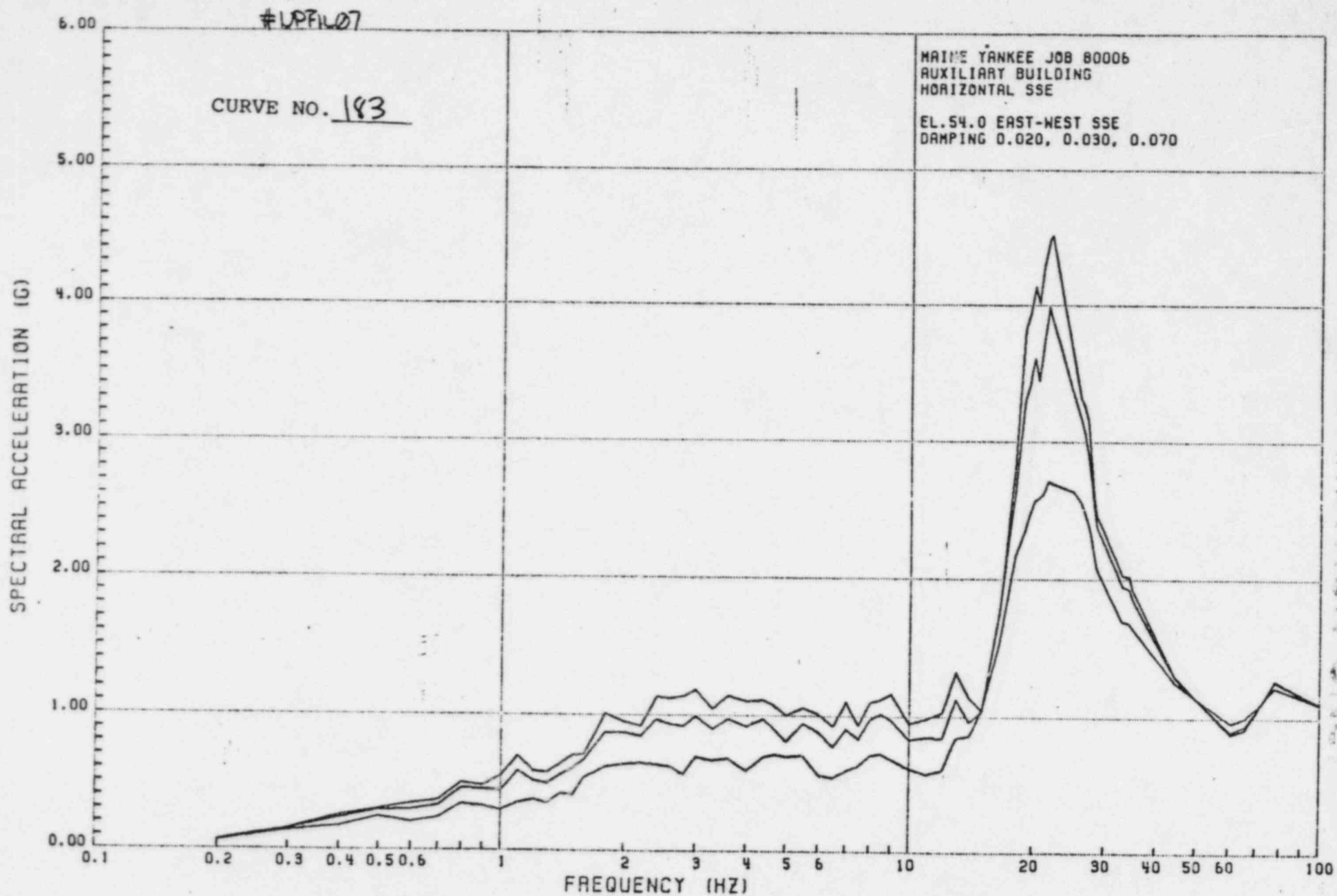
EL. 54.0 NORTH-SOUTH SSE
DAMPING 0.020, 0.030, 0.070

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EES



FOR INFORMATION ONLY

FOR INFORMATION ONLY

EES

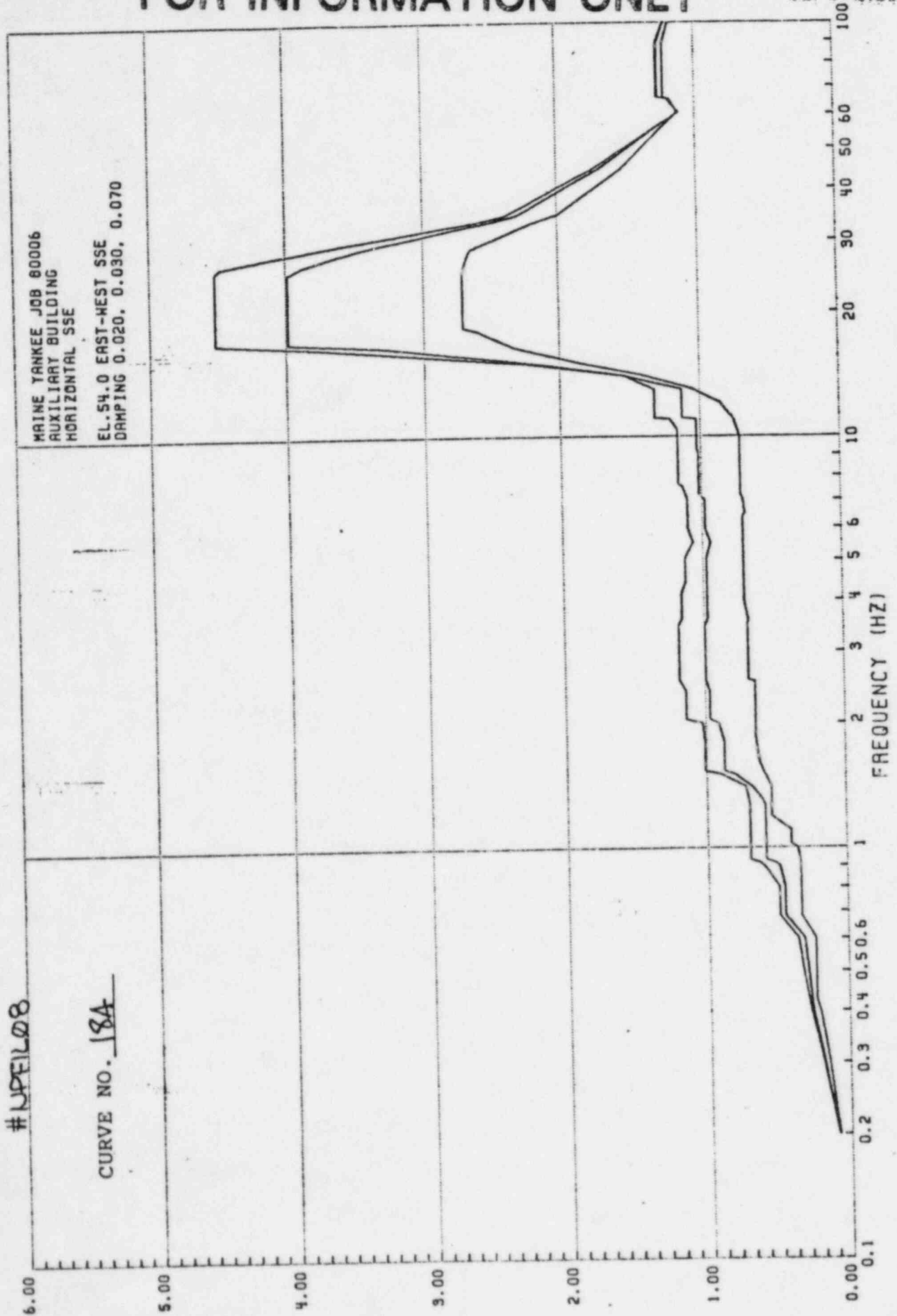
#UPEIL08

CURVE NO. 18A

MAINE YANKEE JOB 80006
AUXILIARY BUILDING
HORIZONTAL SSE

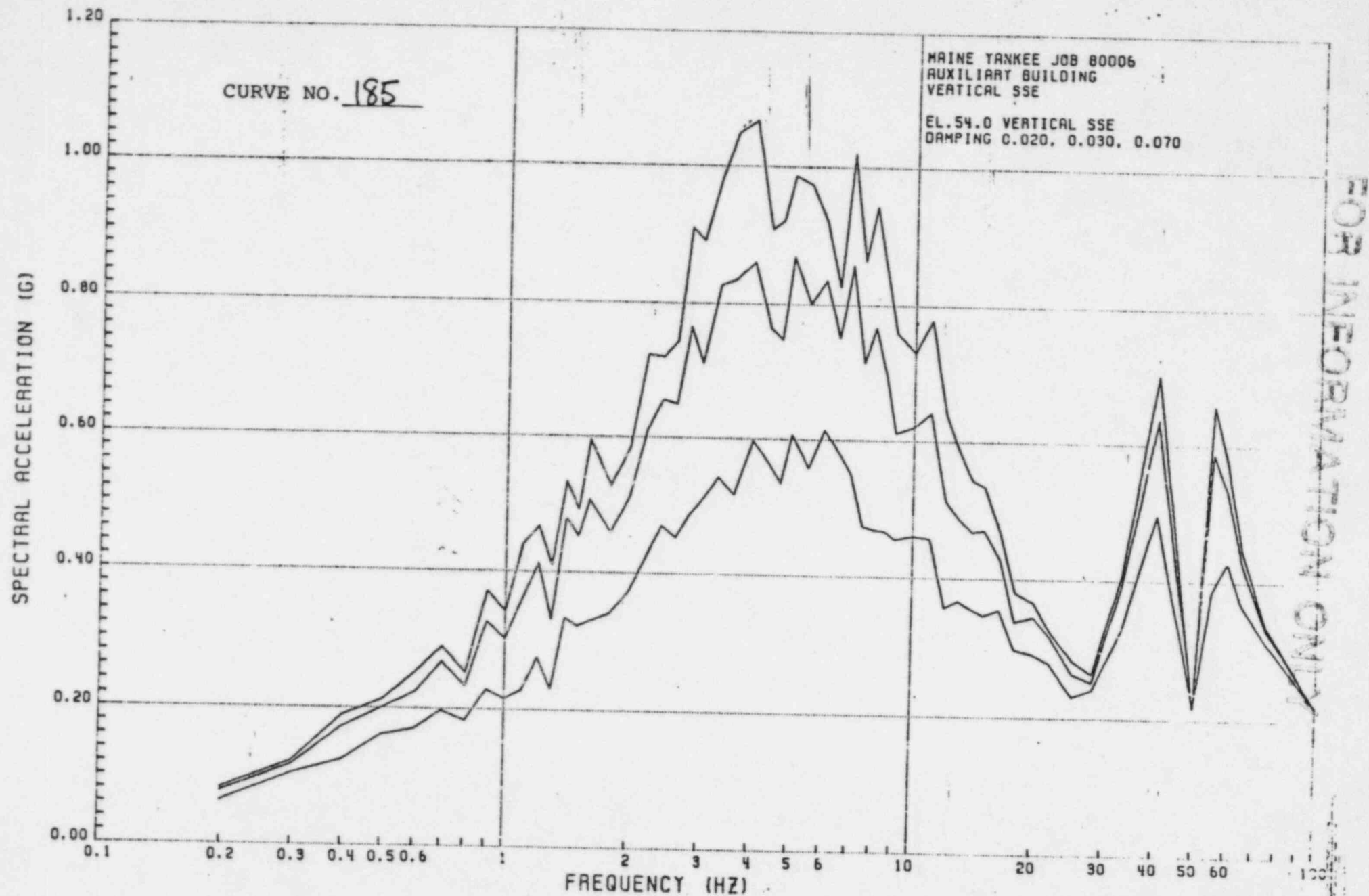
EL. 54.0 EAST-WEST SSE
DAMPING 0.020, 0.030, 0.070

SPECTRAL ACCELERATION (G)

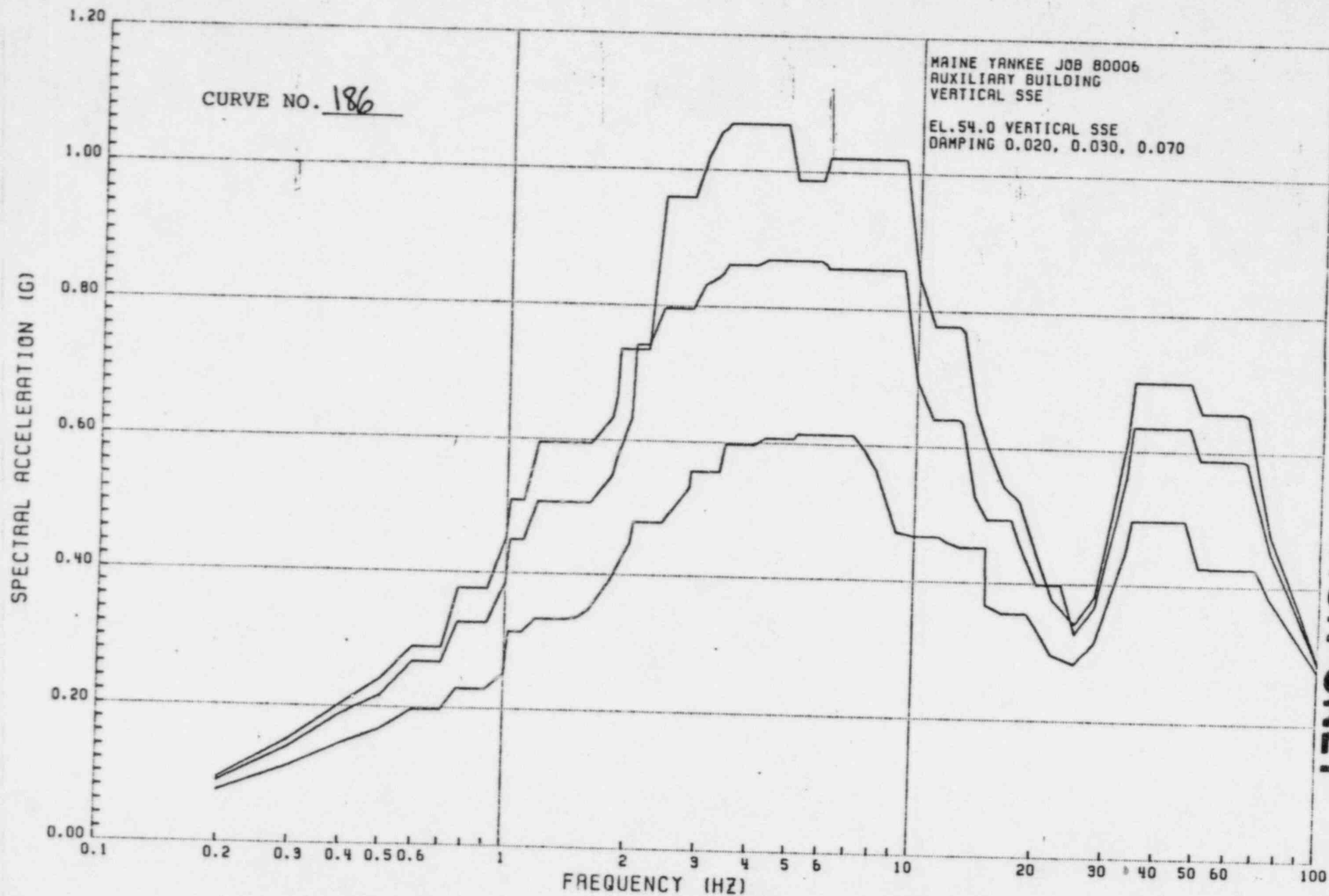


EARTHQUAKE ENGINEERING SYSTEMS

EES



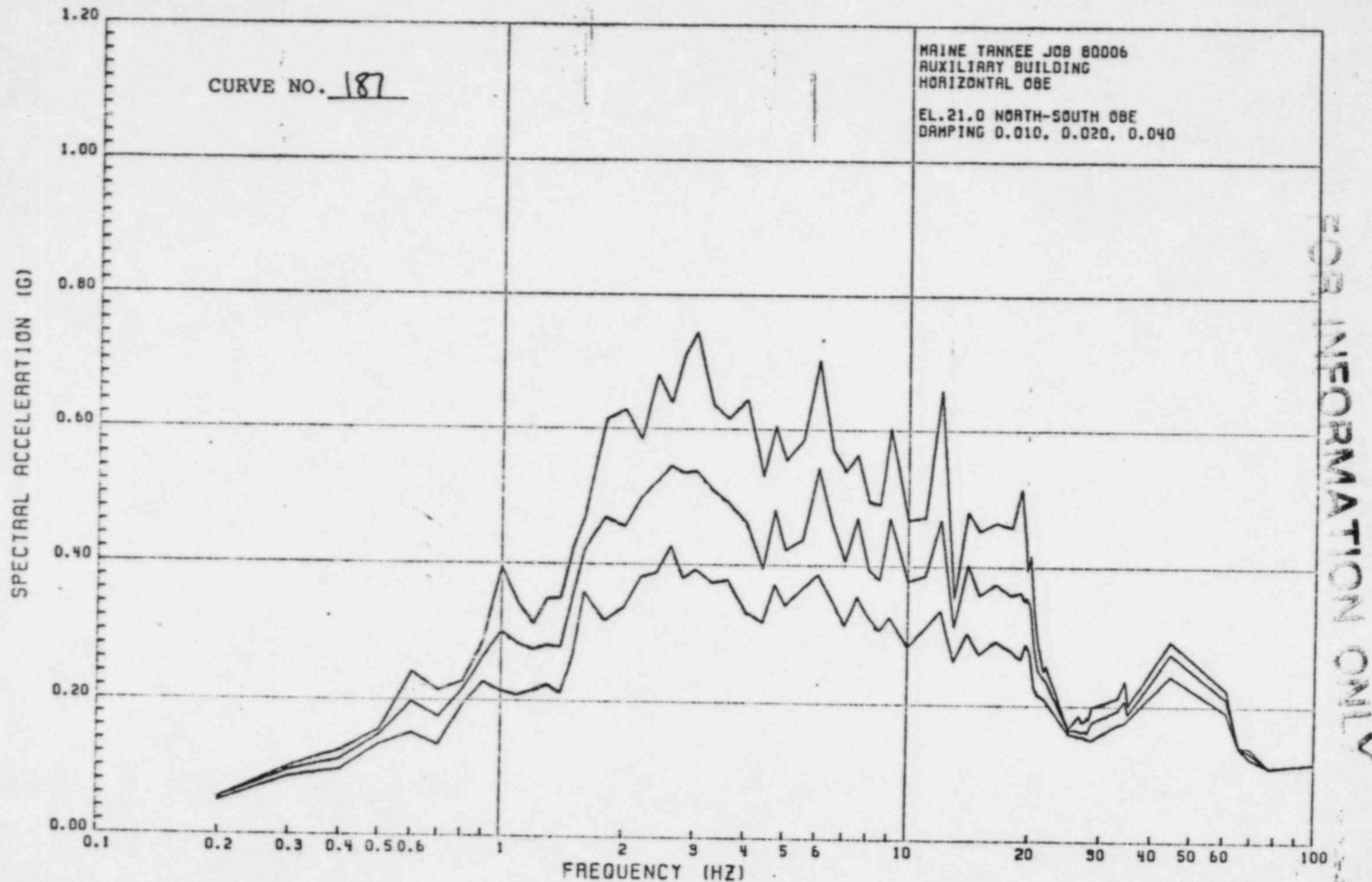
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FOR INFORMATION ONLY

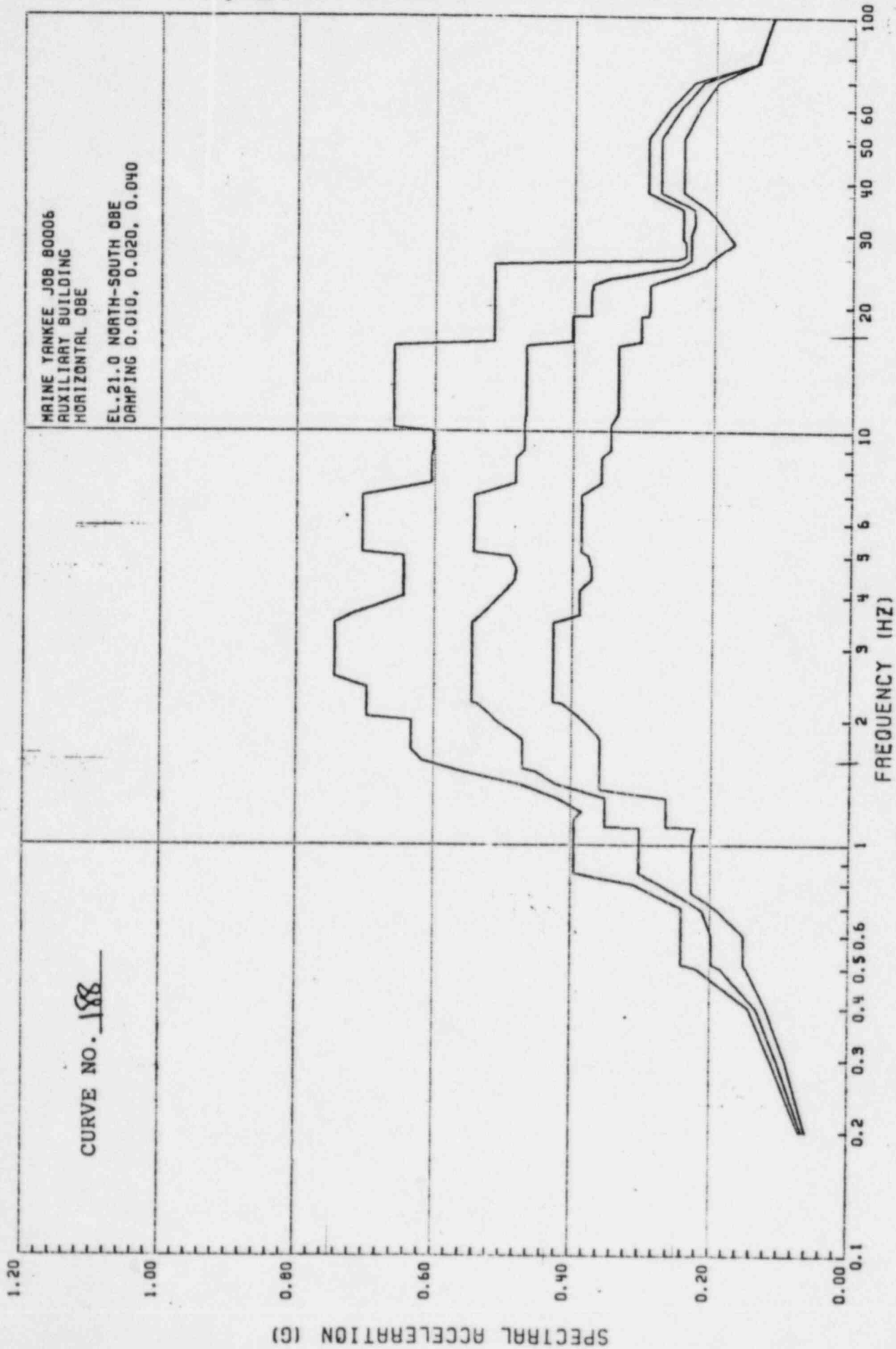
EARTHQUAKE ENGINEERING SYSTEMS

EES



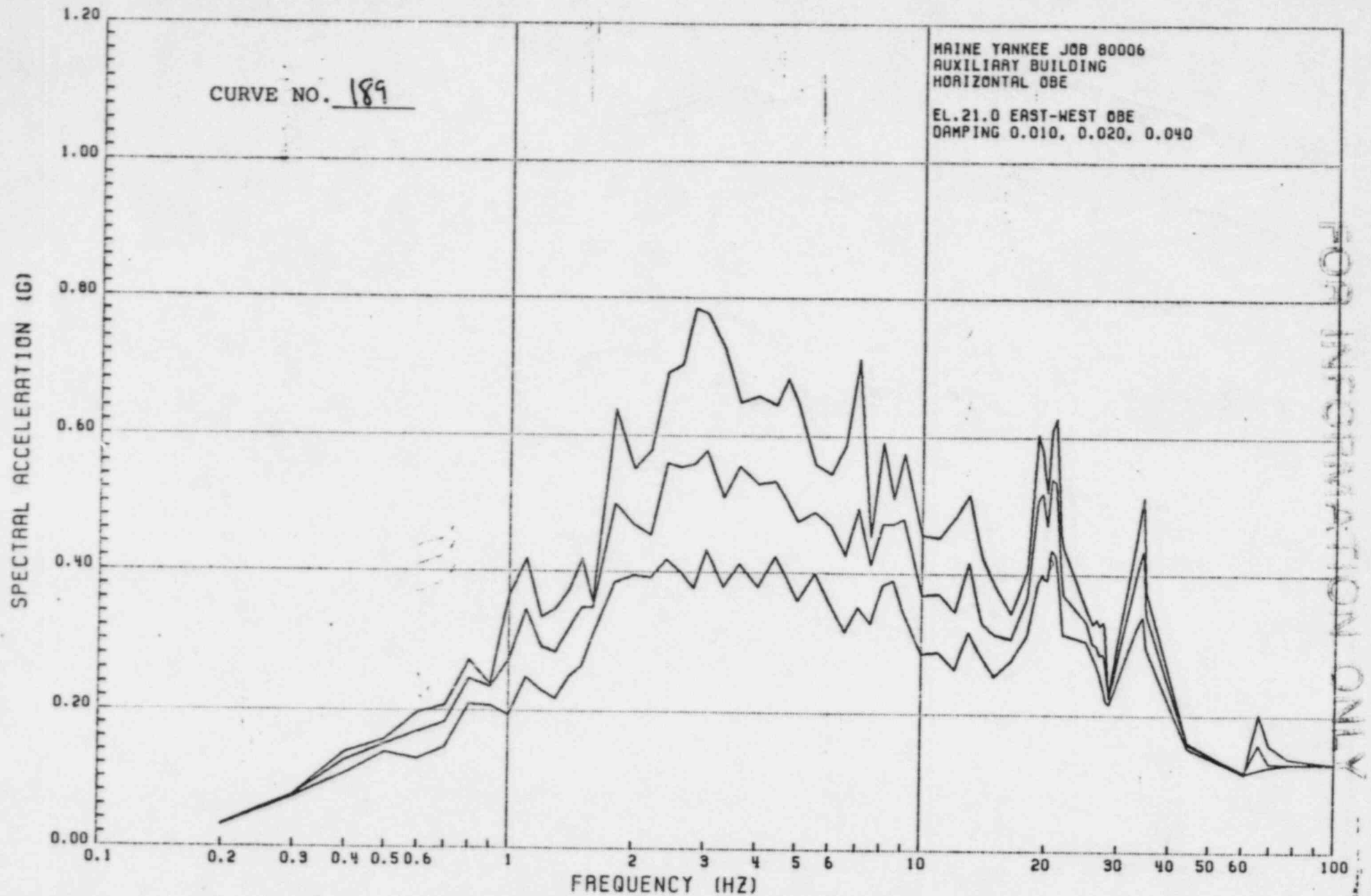
FOR INFORMATION ONLY

EES



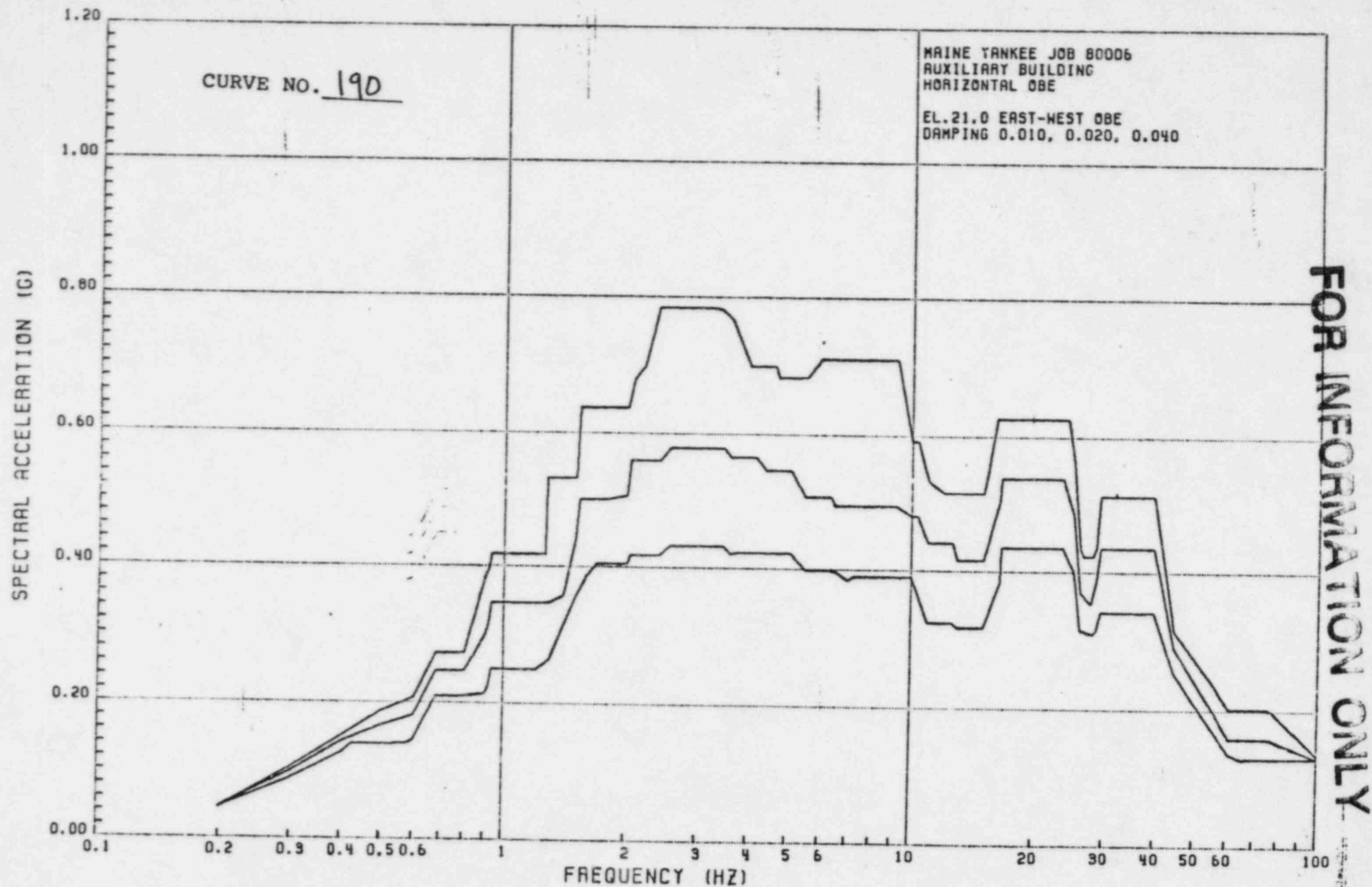
EARTHQUAKE ENGINEERING SYSTEMS

EES



EARTHQUAKE ENGINEERING SYSTEMS

EES

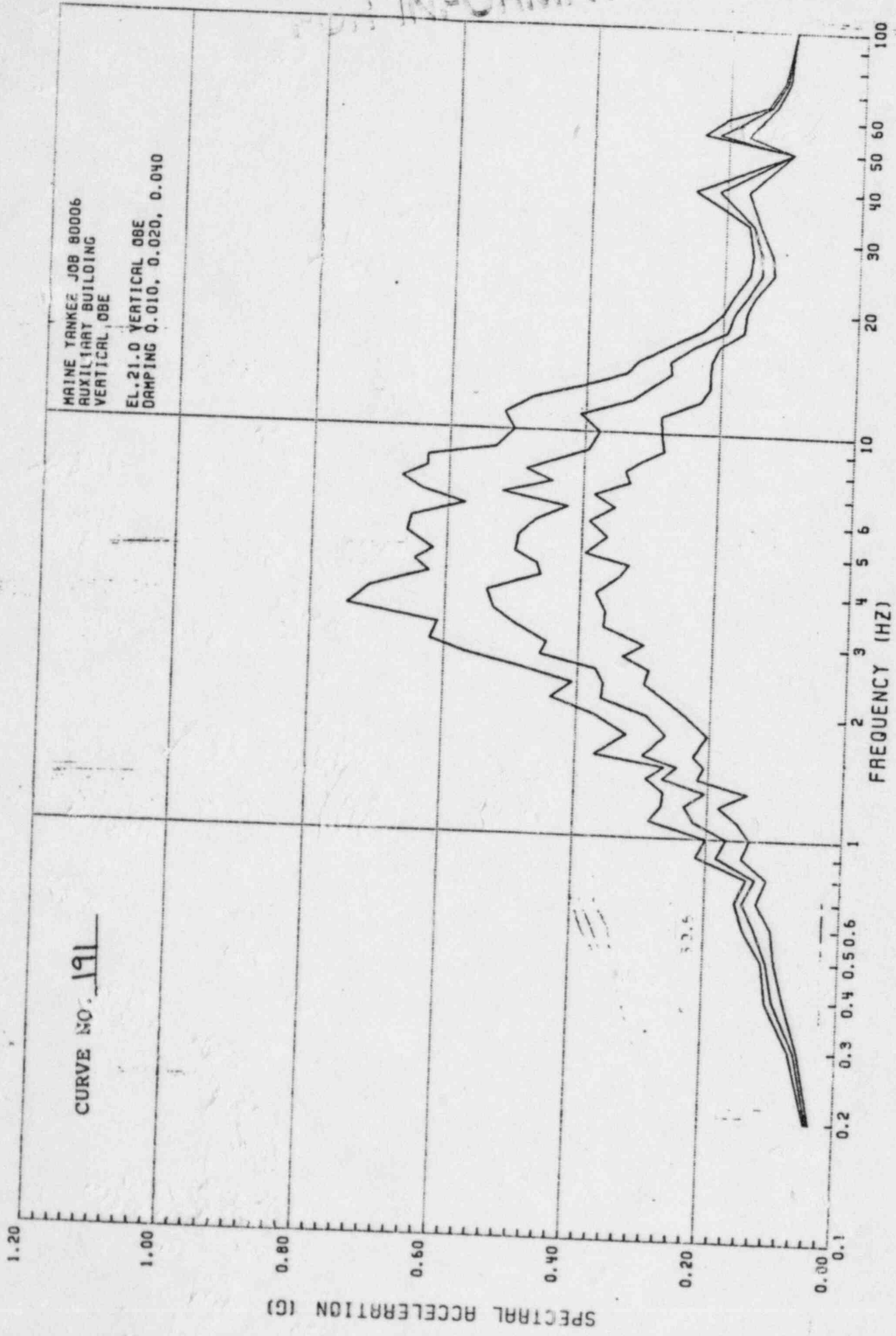


EARTHQUAKE ENGINEERING SYSTEMS

LES

CURVE NO. 191

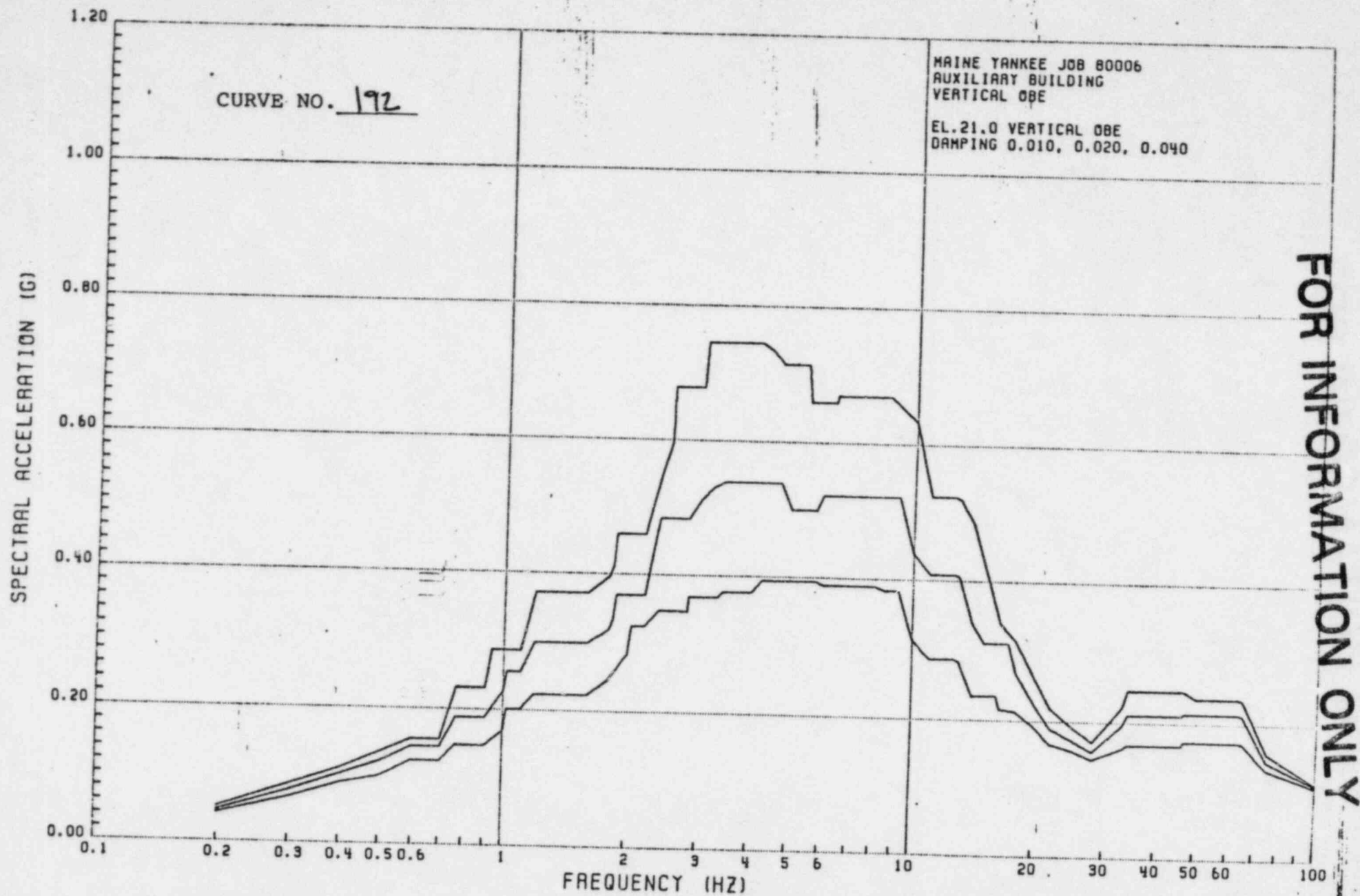
MAINE TANKER JOB 80006
AUXILIARY BUILDING
VERTICAL DBE
EL. 21.0 VERTICAL DBE
DAMPING 0.010, 0.020, 0.040



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES



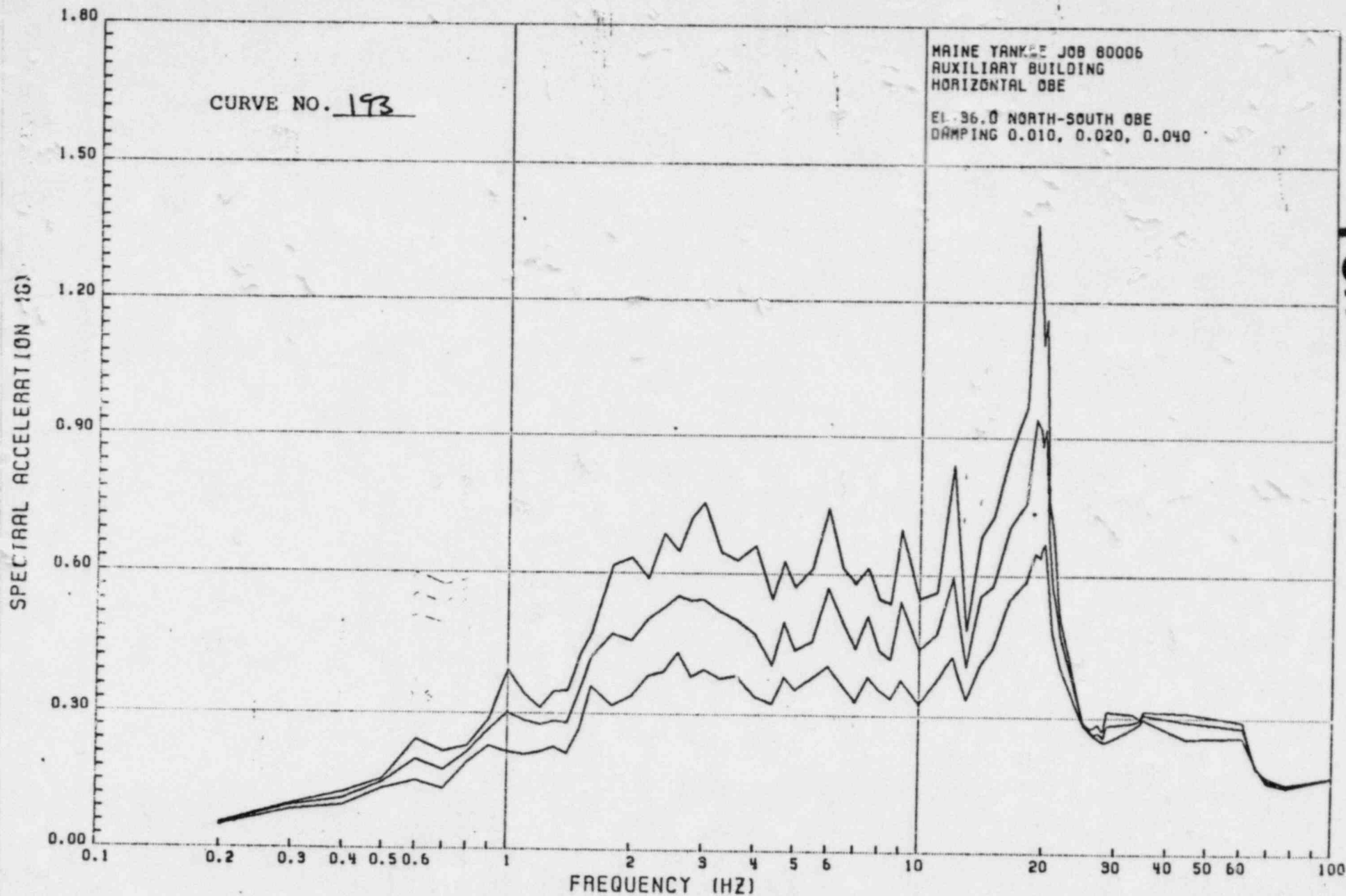
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 193

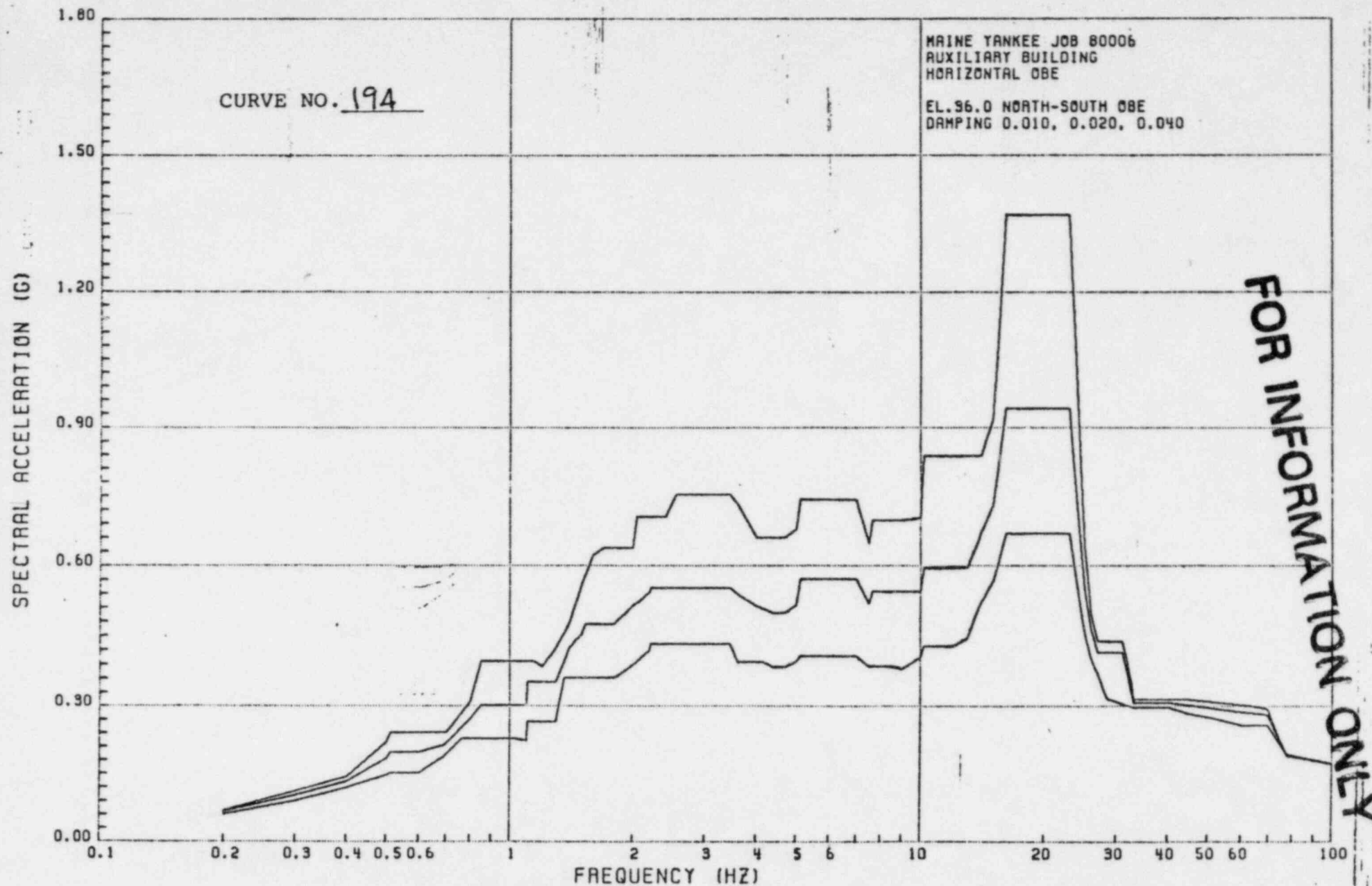
MAINE YANKEE JOB 80006
AUXILIARY BUILDING
HORIZONTAL OBE

EL. 36.0 NORTH-SOUTH OBE
DAMPING 0.010, 0.020, 0.040



FOR INFORMATION ONLY

EES

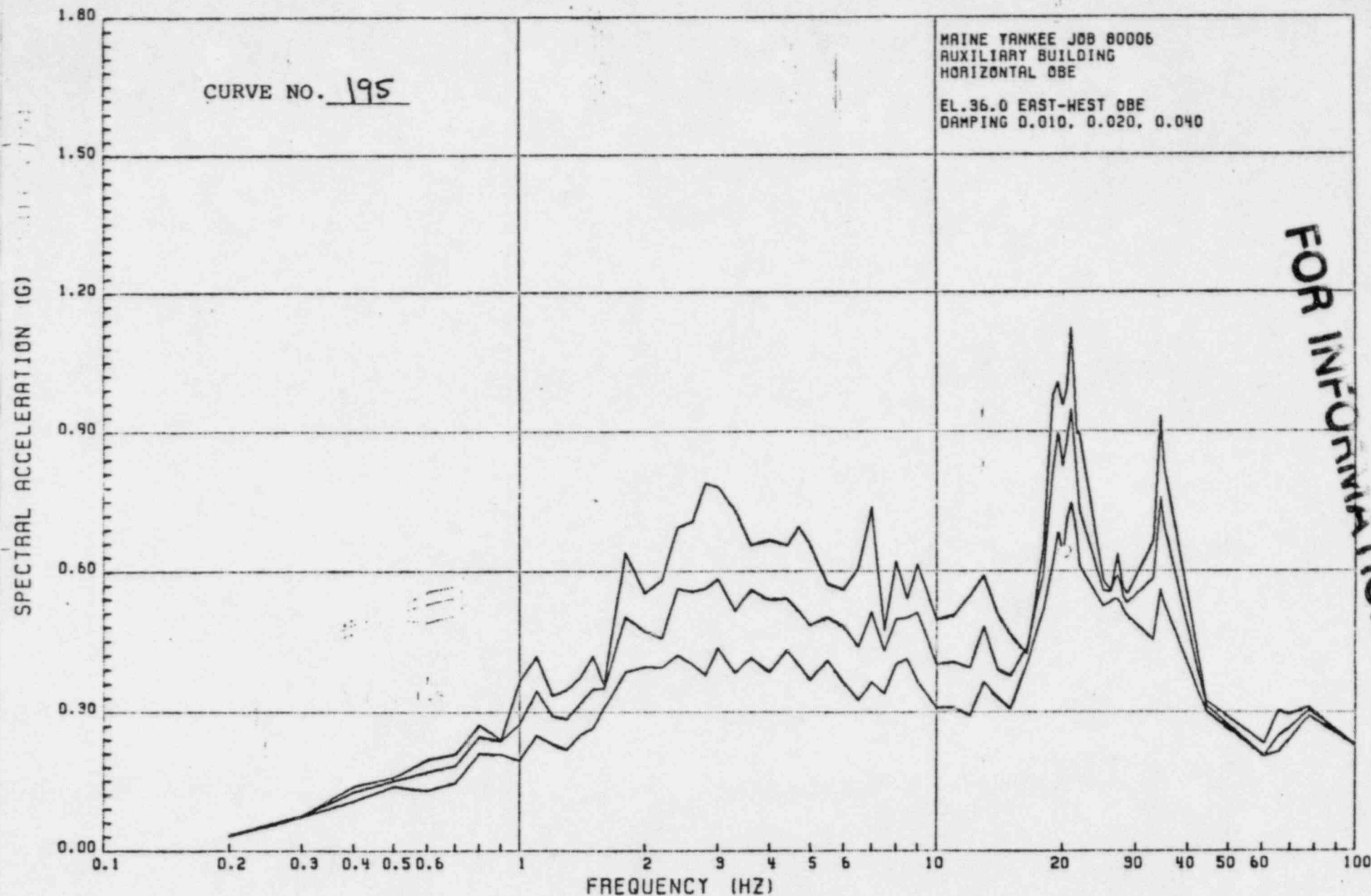


EES

CURVE NO. 195

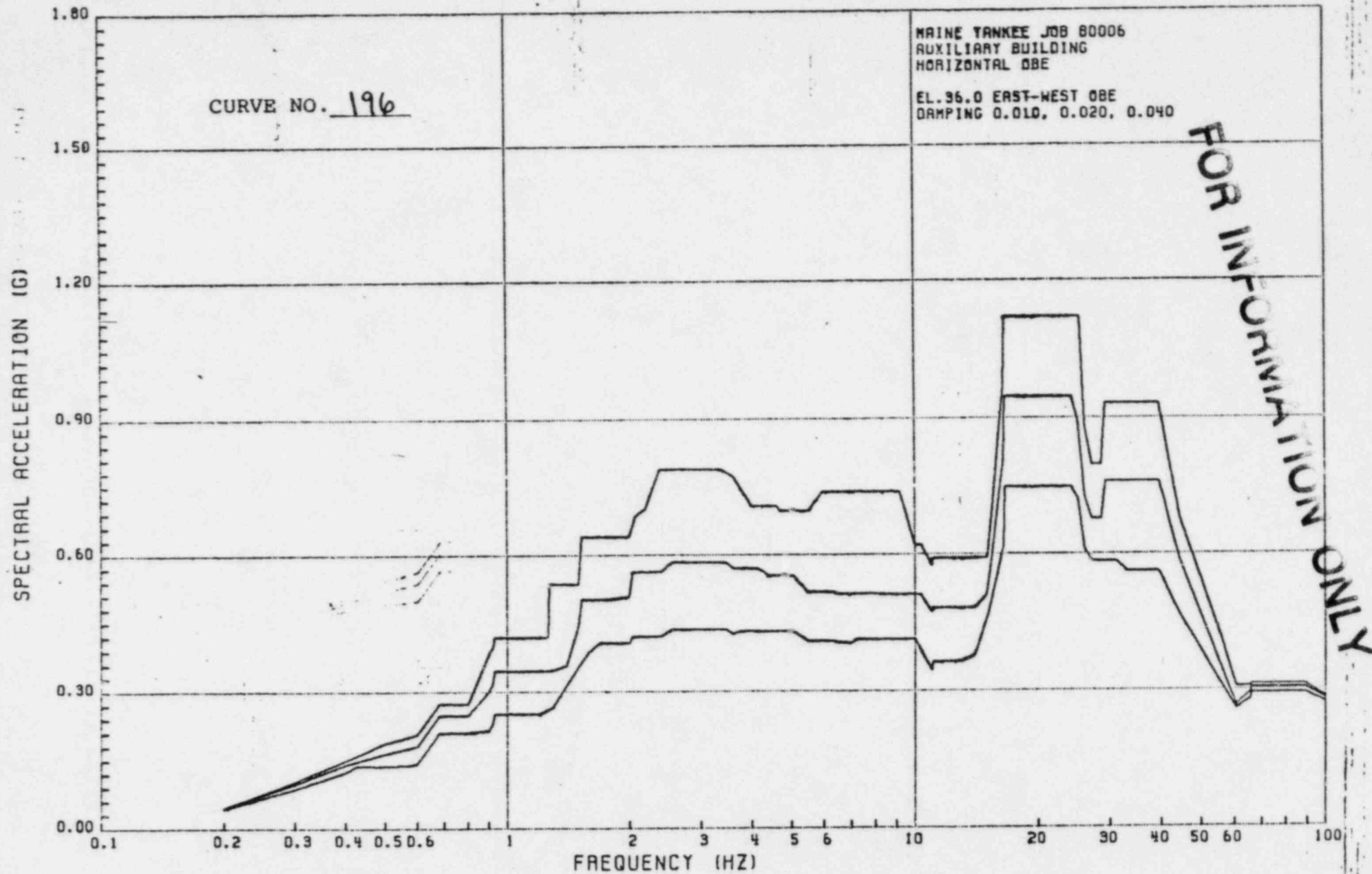
MAINE YANKEE JOB 80006
AUXILIARY BUILDING
HORIZONTAL OBE

EL. 36.0 EAST-WEST OBE
DAMPING 0.010, 0.020, 0.040



EARTHQUAKE ENGINEERING SYSTEMS

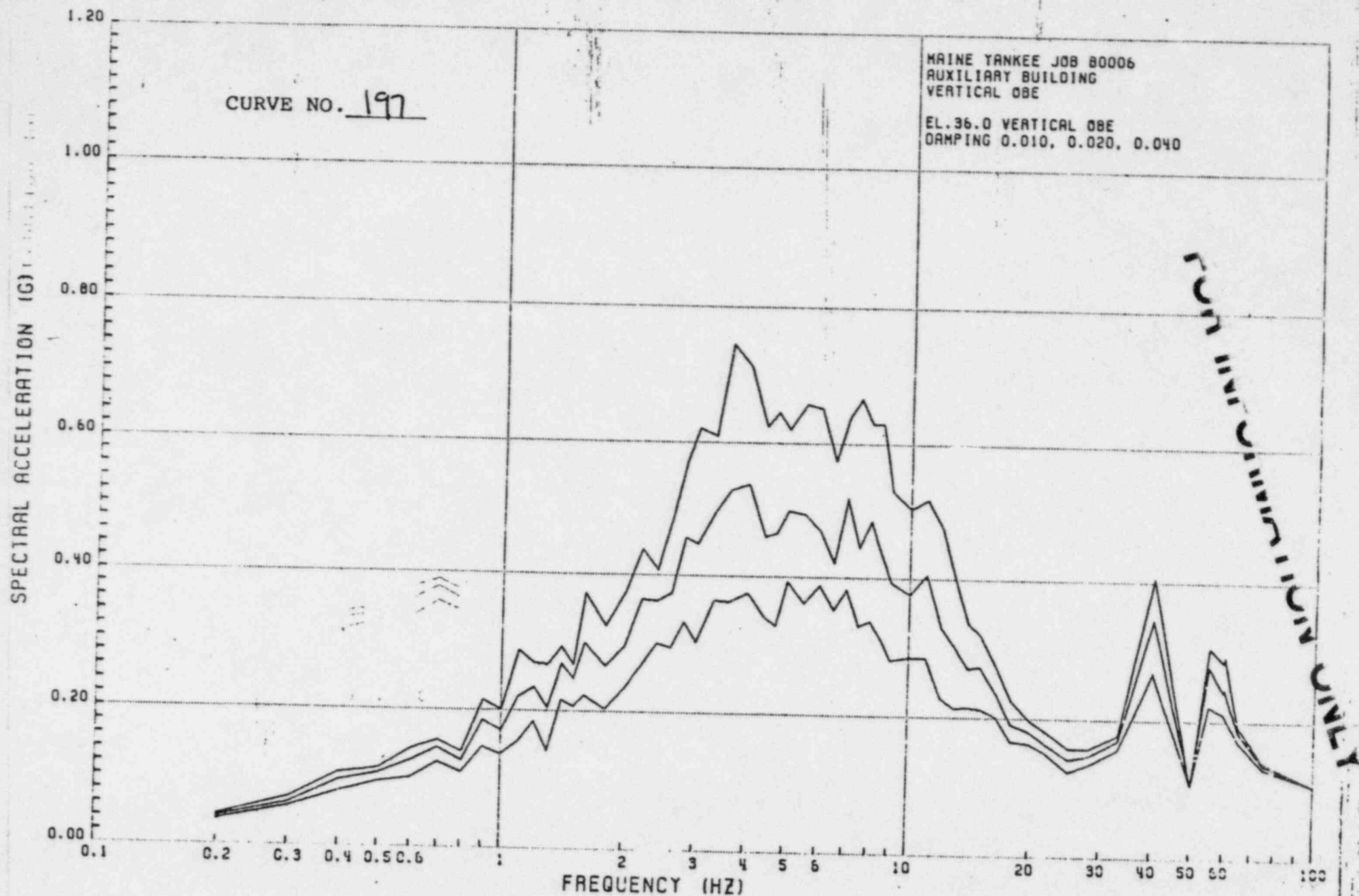
EES



EES

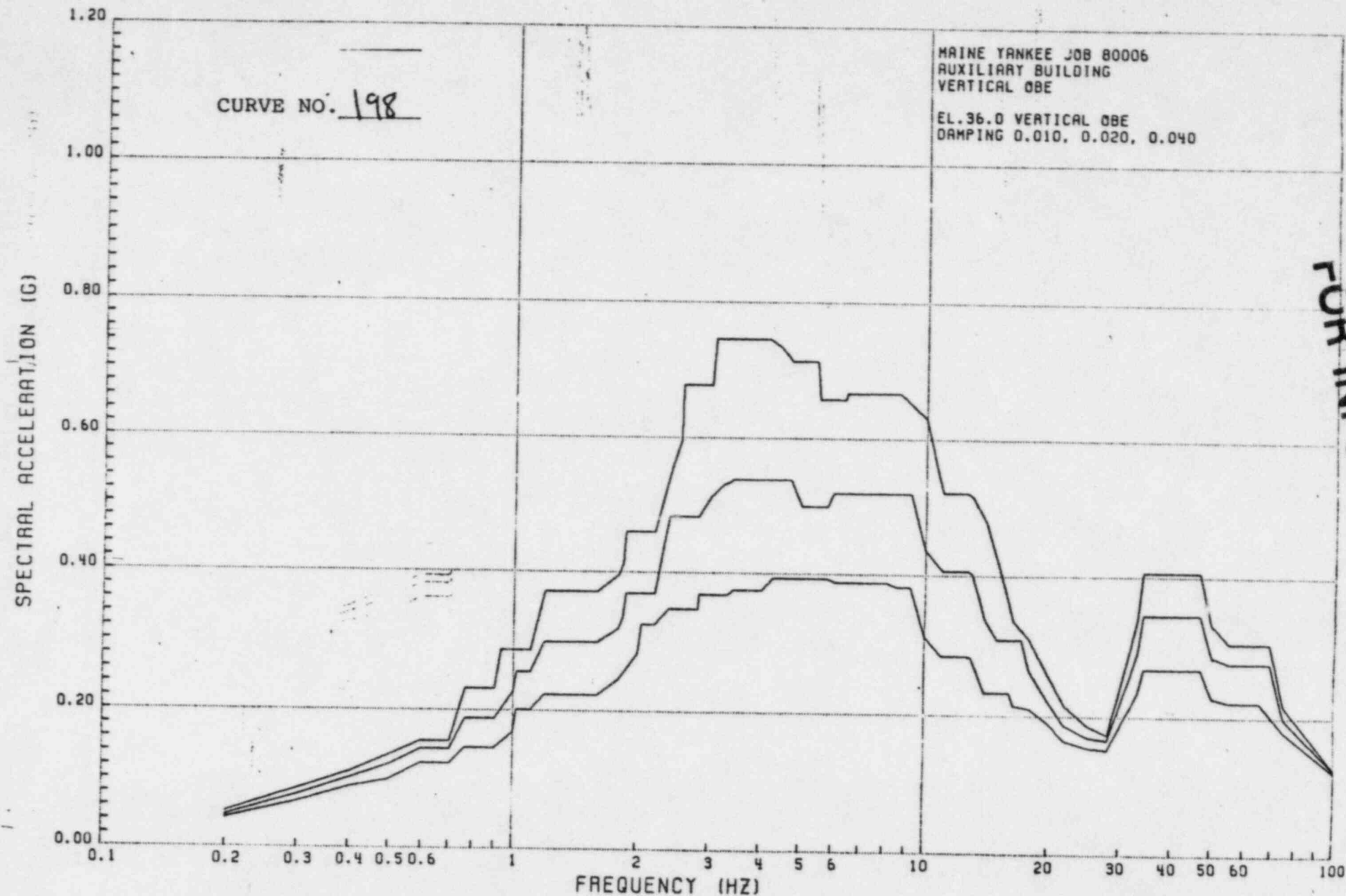
CURVE NO. 197

MAINE YANKEE JOB 80006
AUXILIARY BUILDING
VERTICAL OBE
EL. 36.0 VERTICAL OBE
DAMPING 0.010, 0.020, 0.040



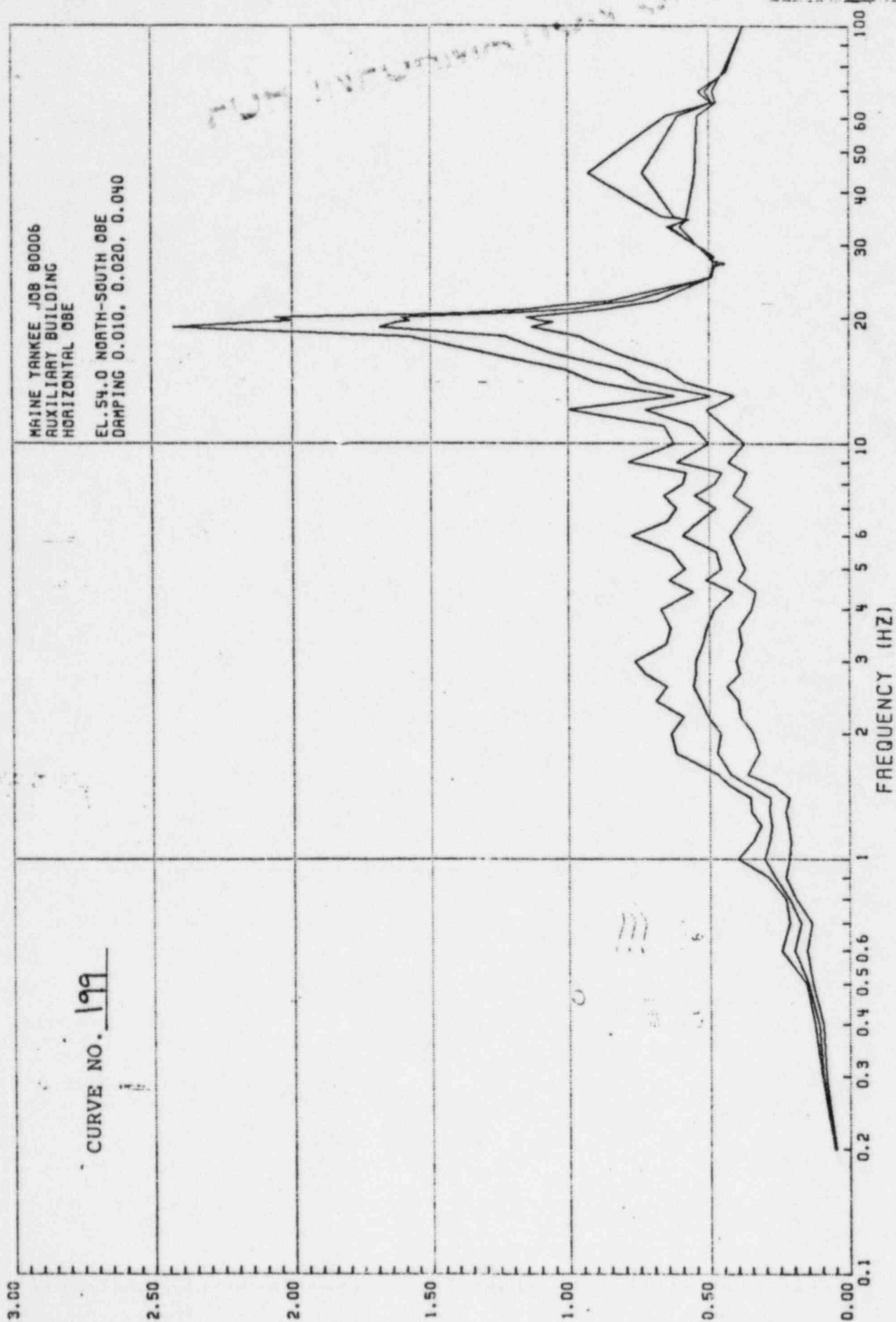
EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

EES



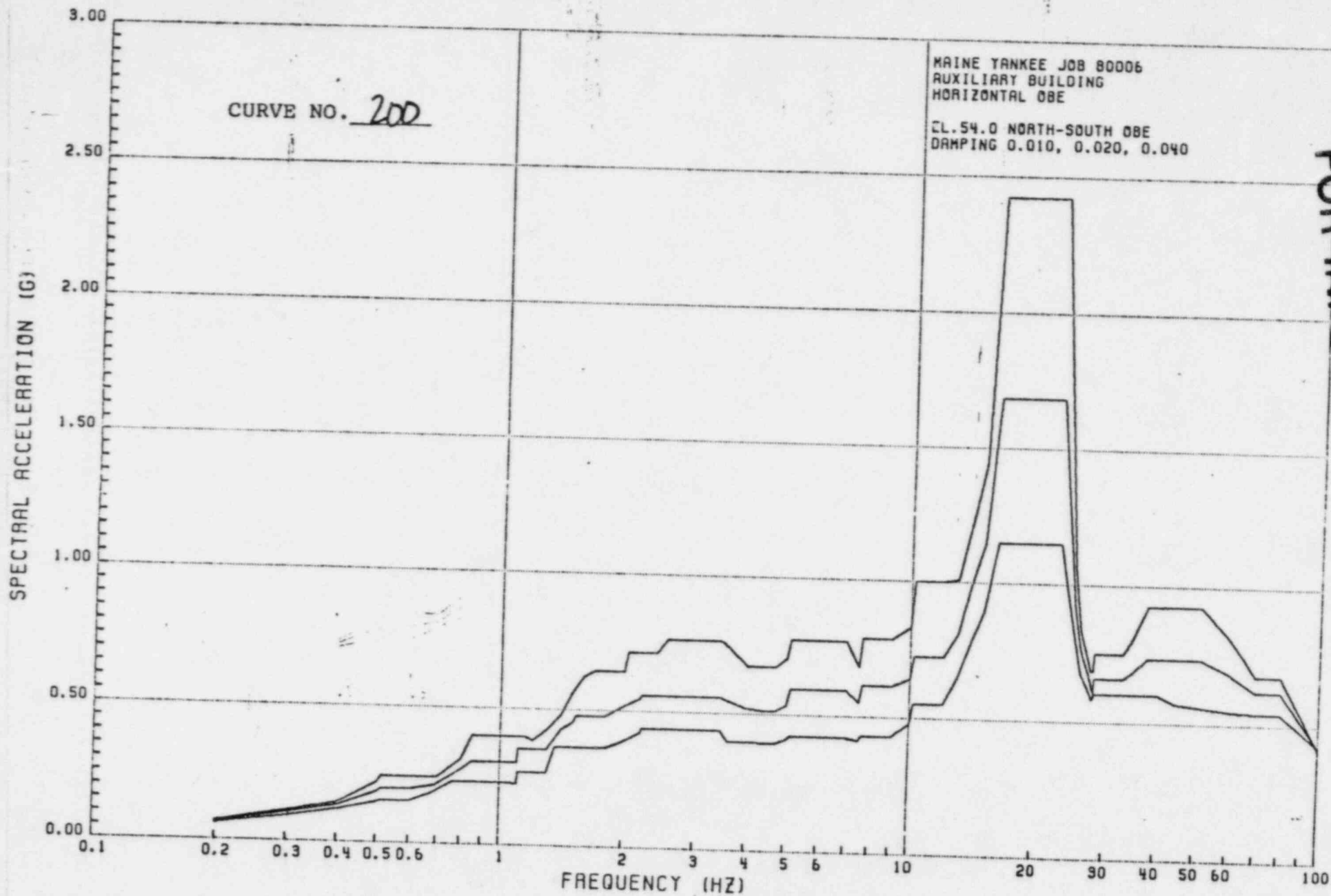
EES

CURVE NO. 200

MAINE YANKEE JOB 80006
AUXILIARY BUILDING
HORIZONTAL OBE

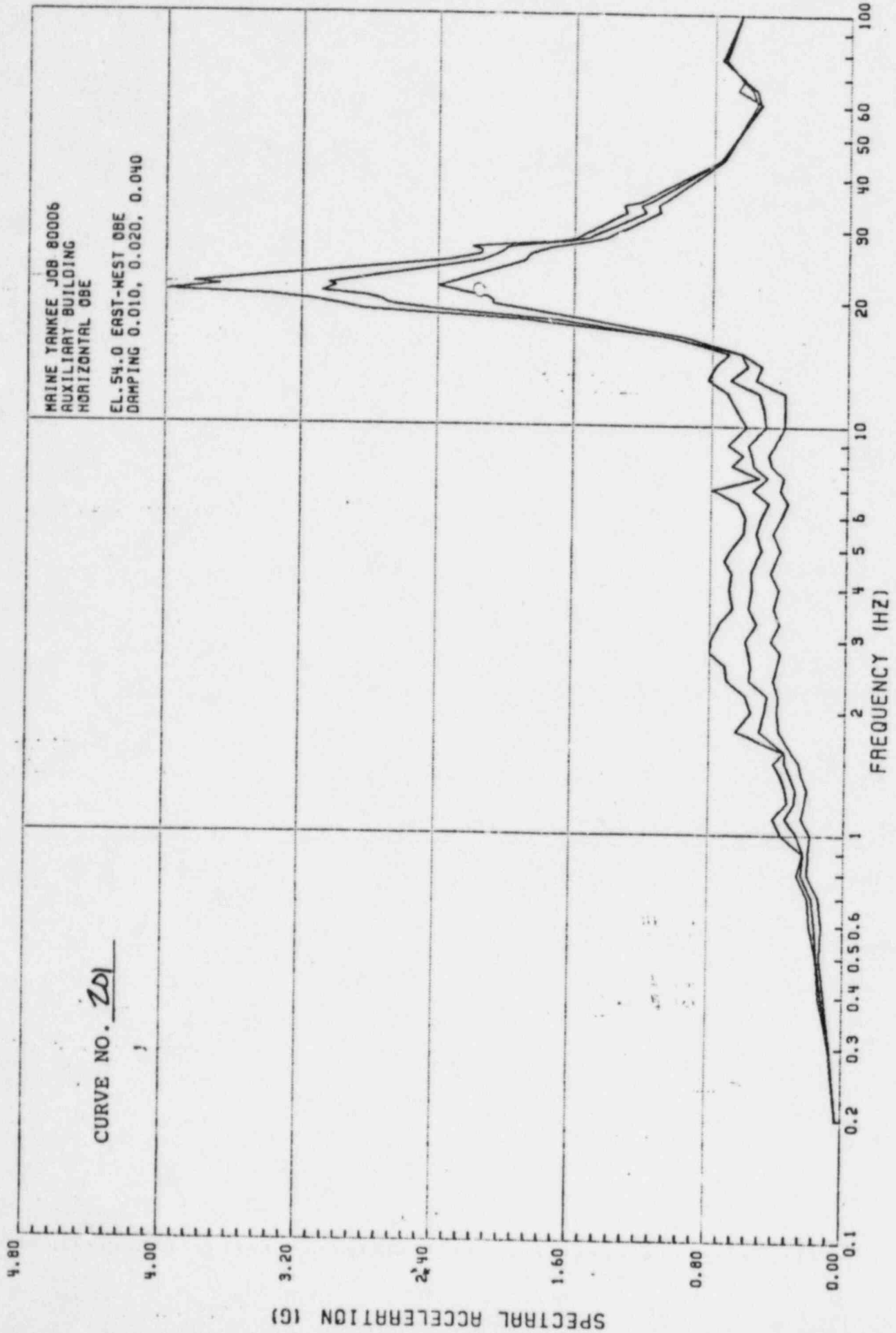
CL. 54.0 NORTH-SOUTH OBE
DAMPING 0.010, 0.020, 0.040

FOR INFORMATION ONLY



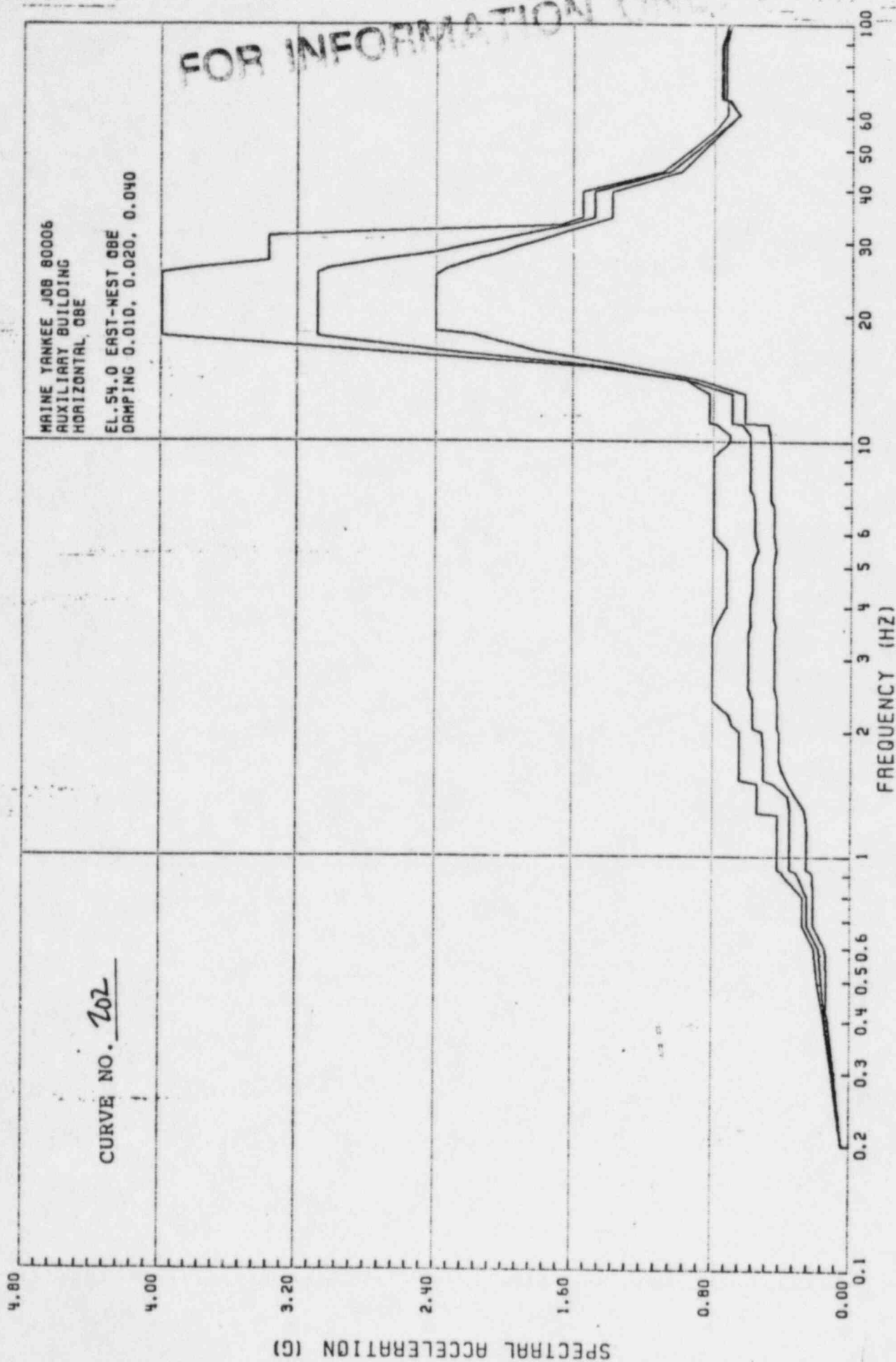
FOR INFORMATION ONLY

EES



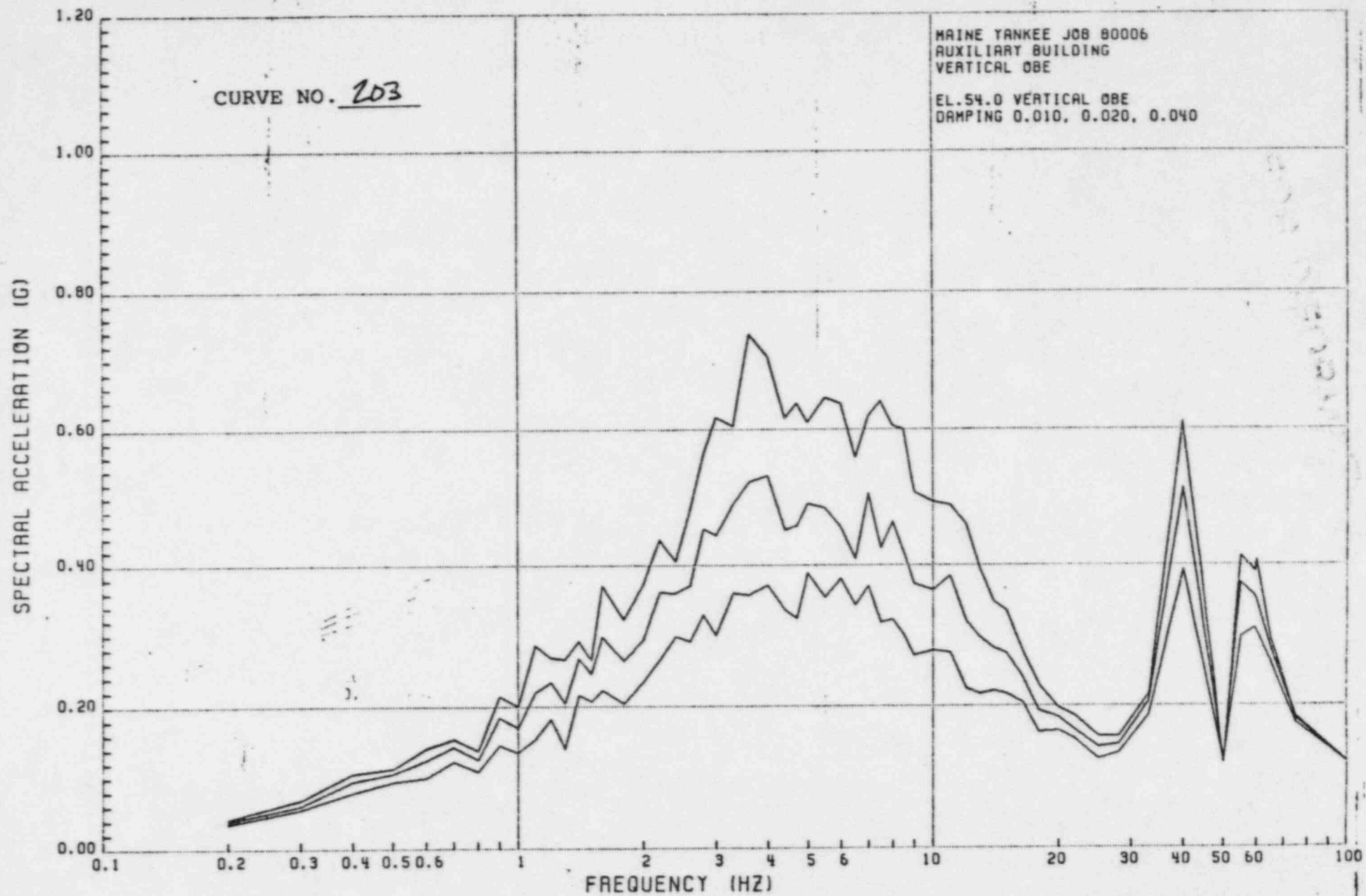
EARTHQUAKE ENGINEERING SYSTEMS

EES

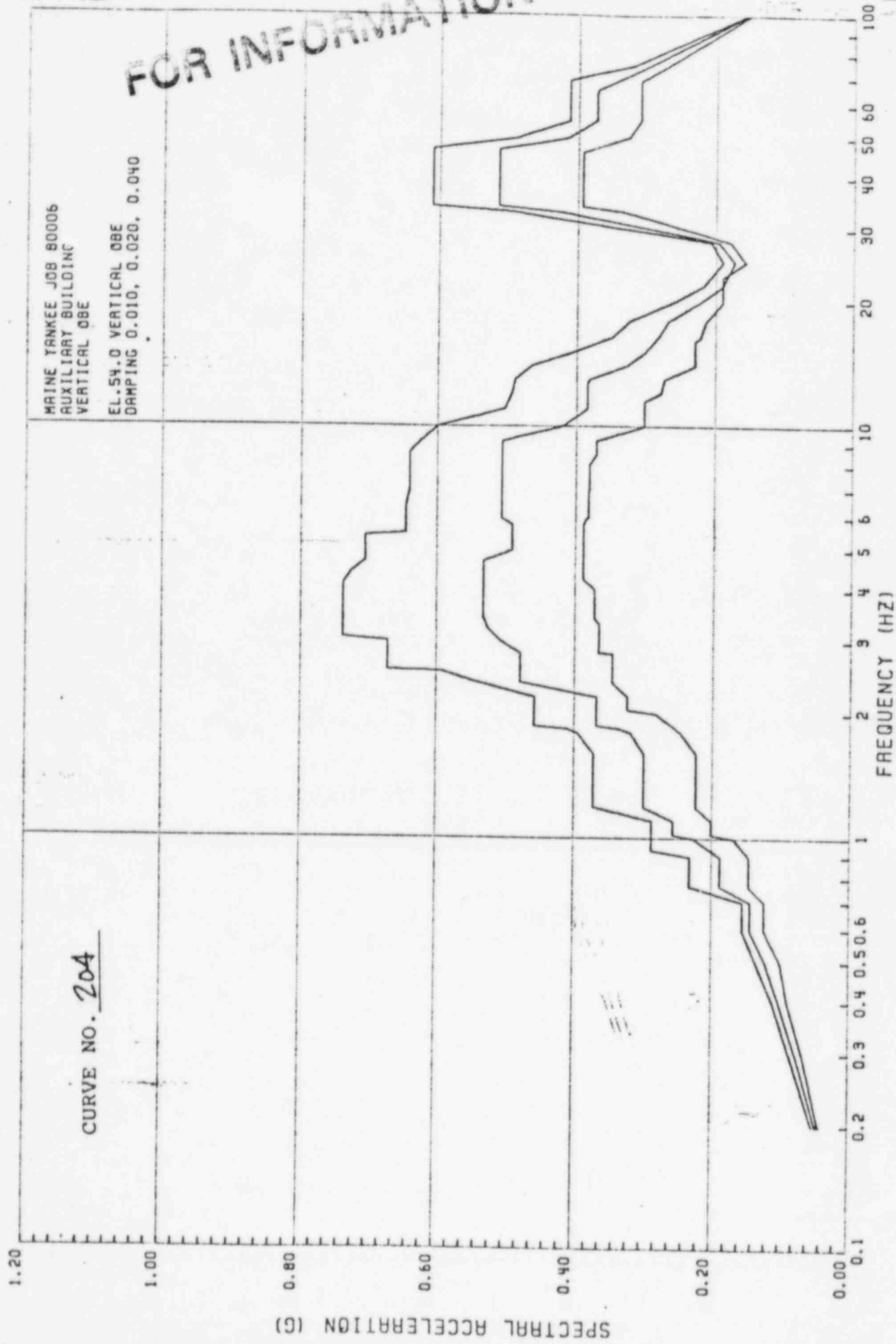


EARTHQUAKE ENGINEERING SYSTEMS

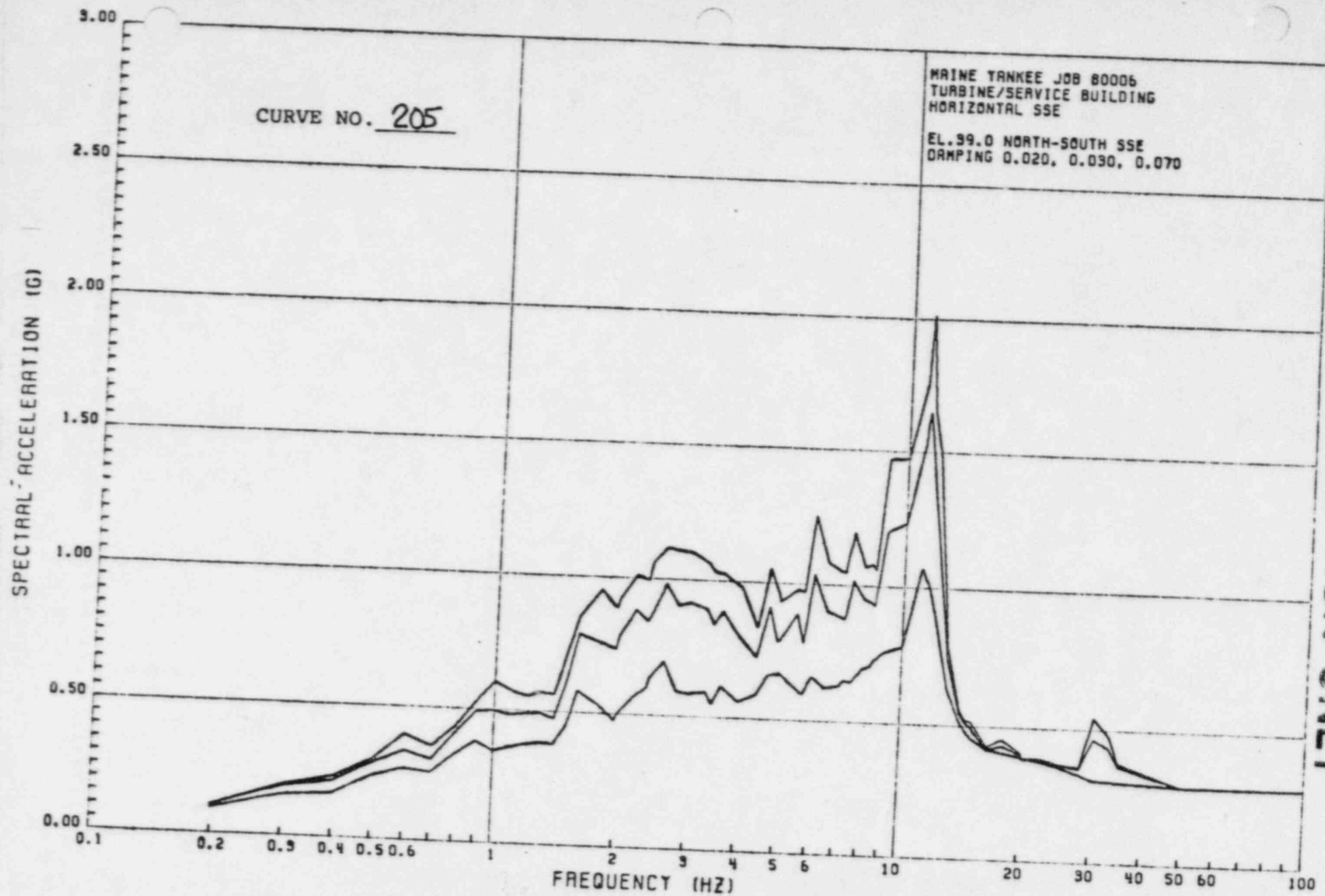
EES



EES

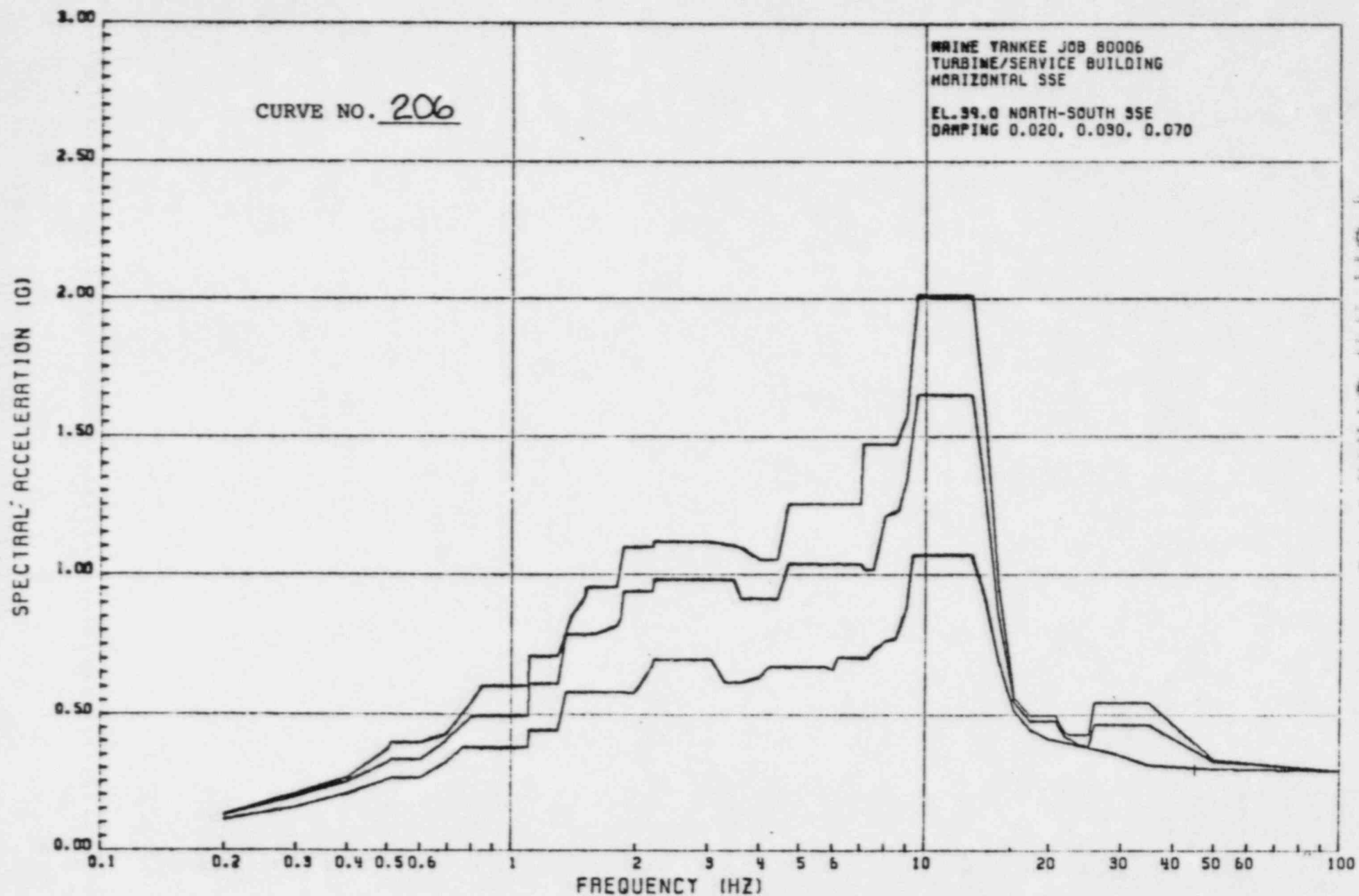


FOR INFORMATION ONLY



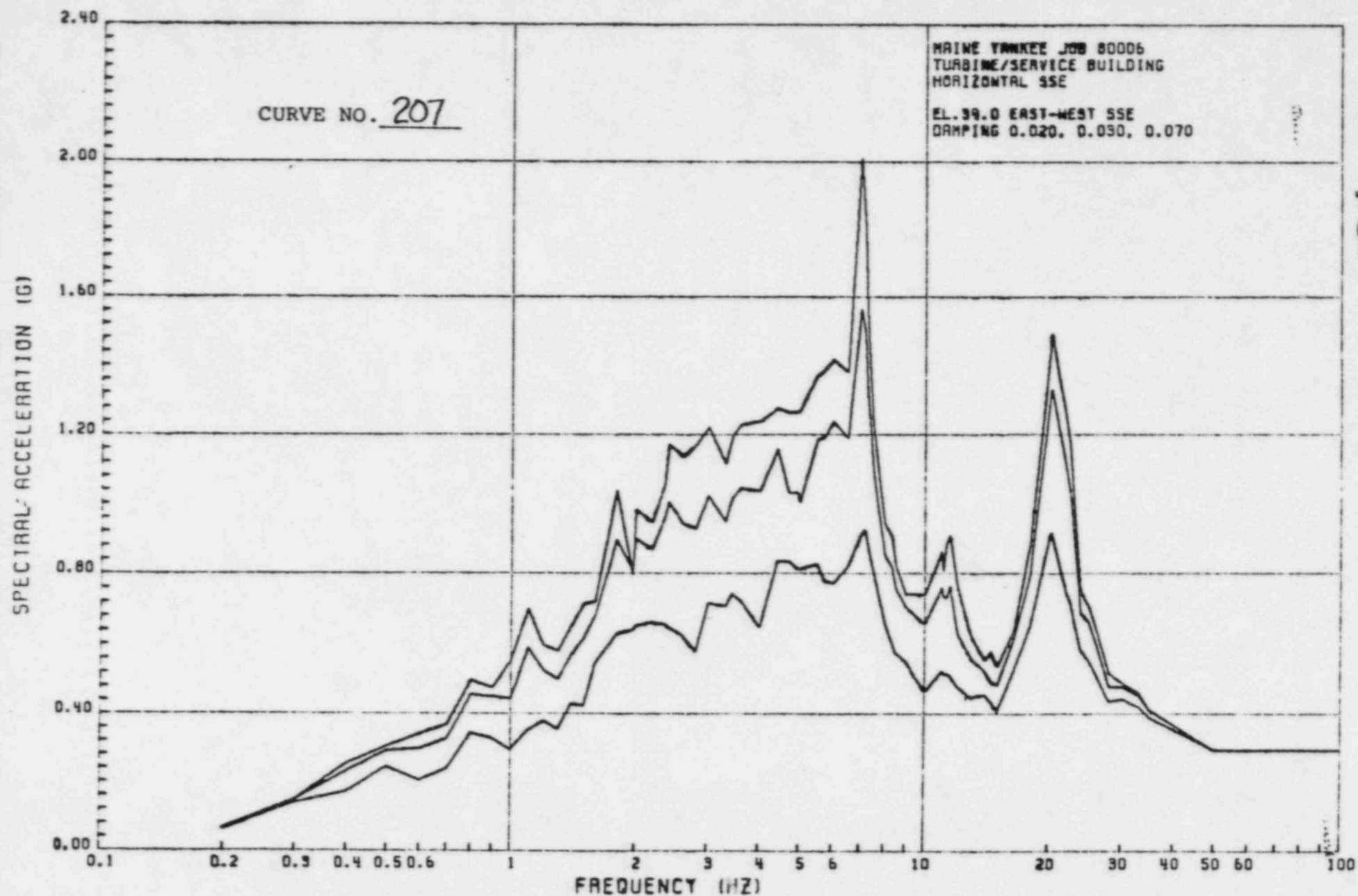
EARTHQUAKE ENGINEERING SYSTEMS

EES



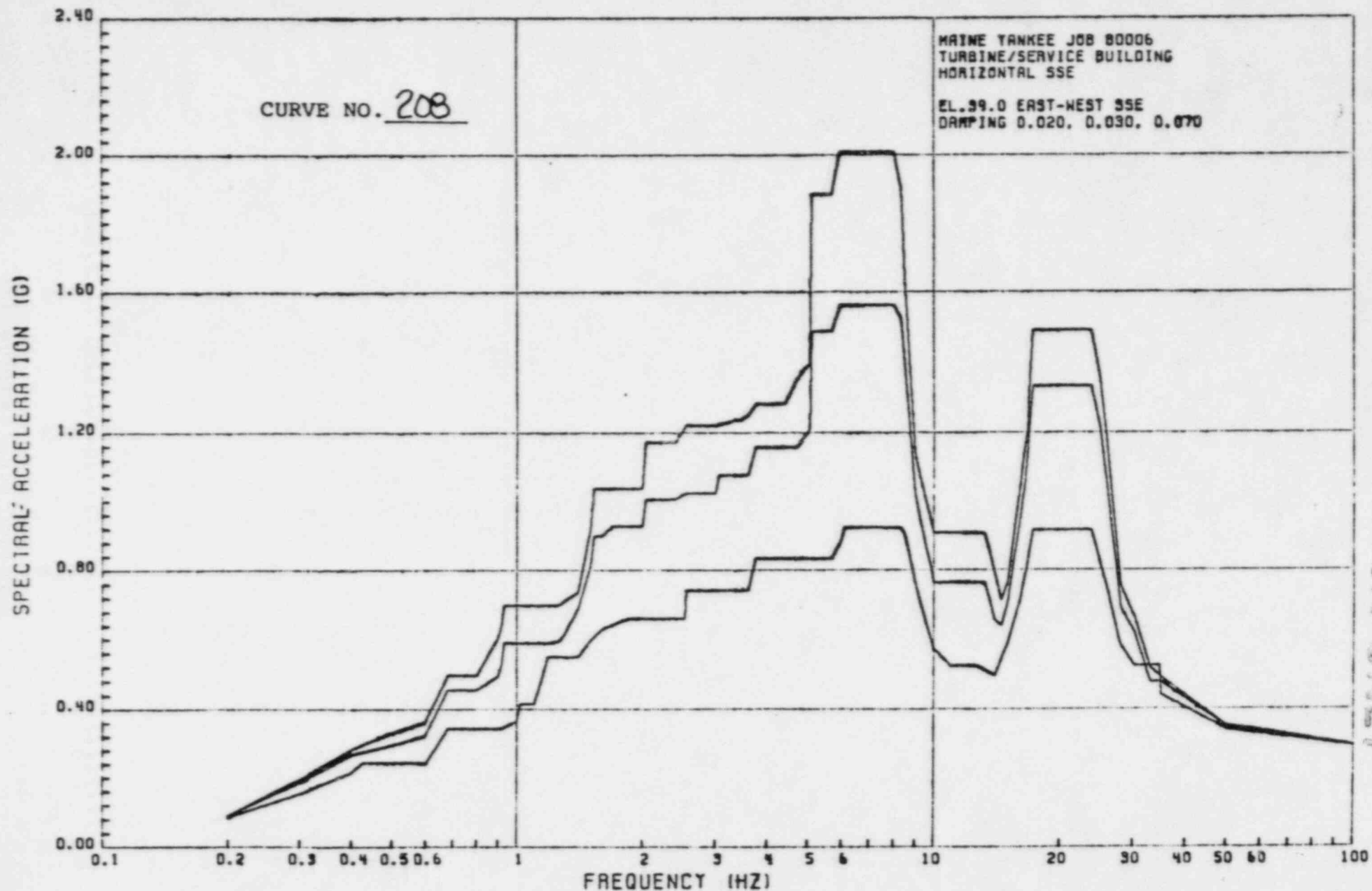
EARTHQUAKE ENGINEERING SYSTEMS

EES



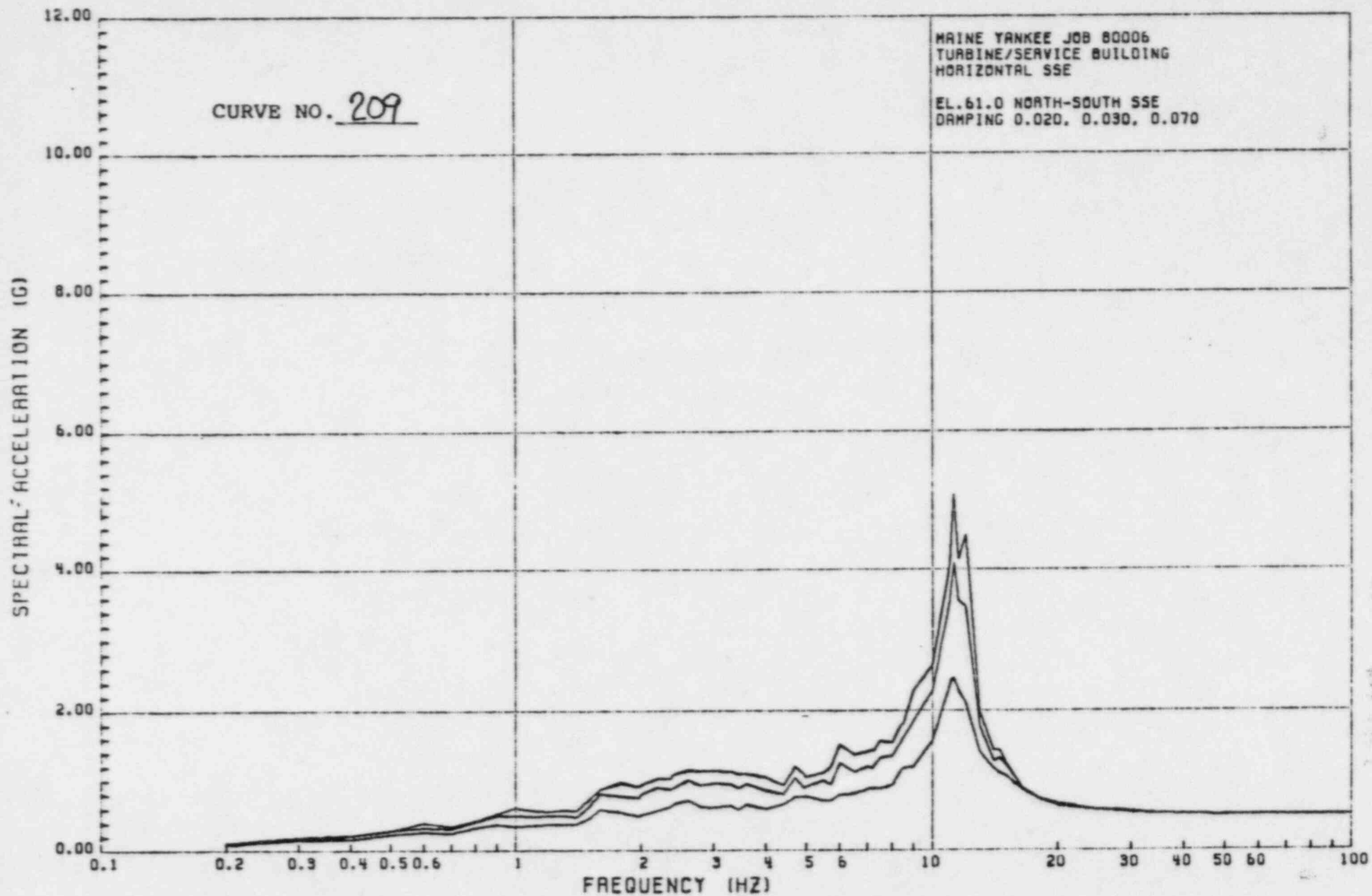
FOR INFORMATION ONLY

EES



FOR INFORMATION ONLY

EES



EARTHQUAKE ENGINEERING SYSTEMS

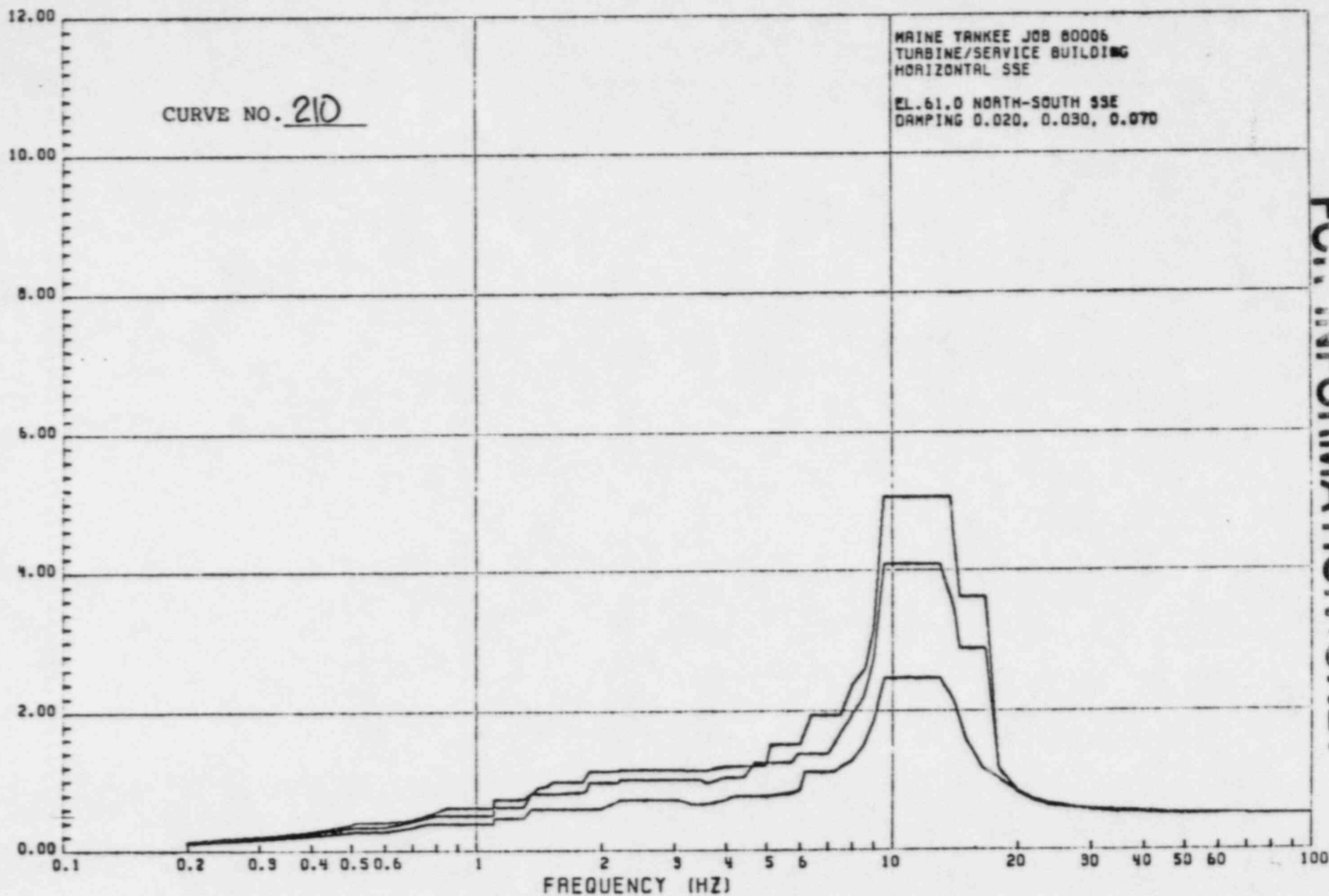
EES

CURVE NO. 210

MAINE TANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL SSE

EL. 61.0 NORTH-SOUTH SSE
DAMPING 0.020, 0.030, 0.070

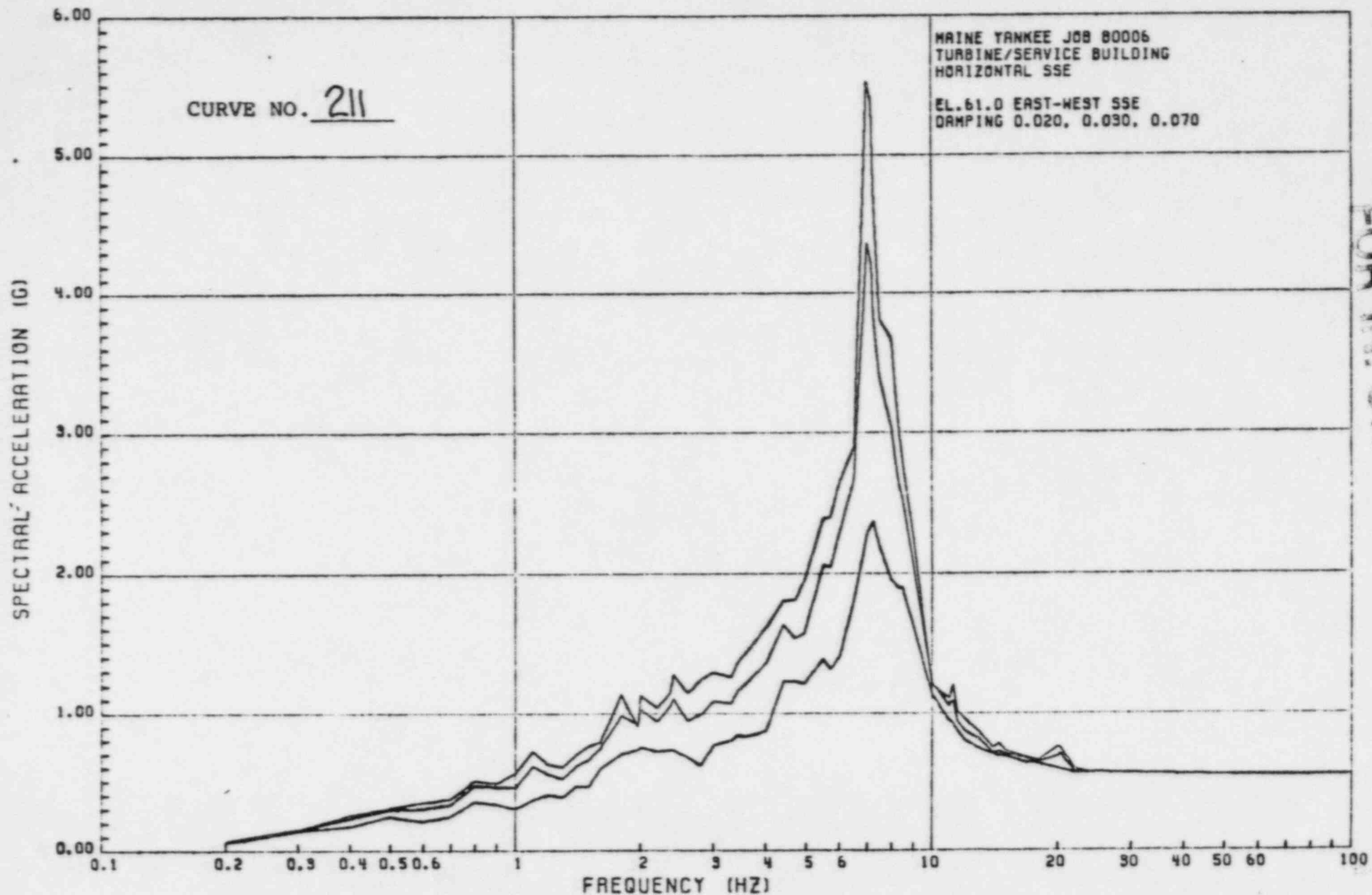
SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

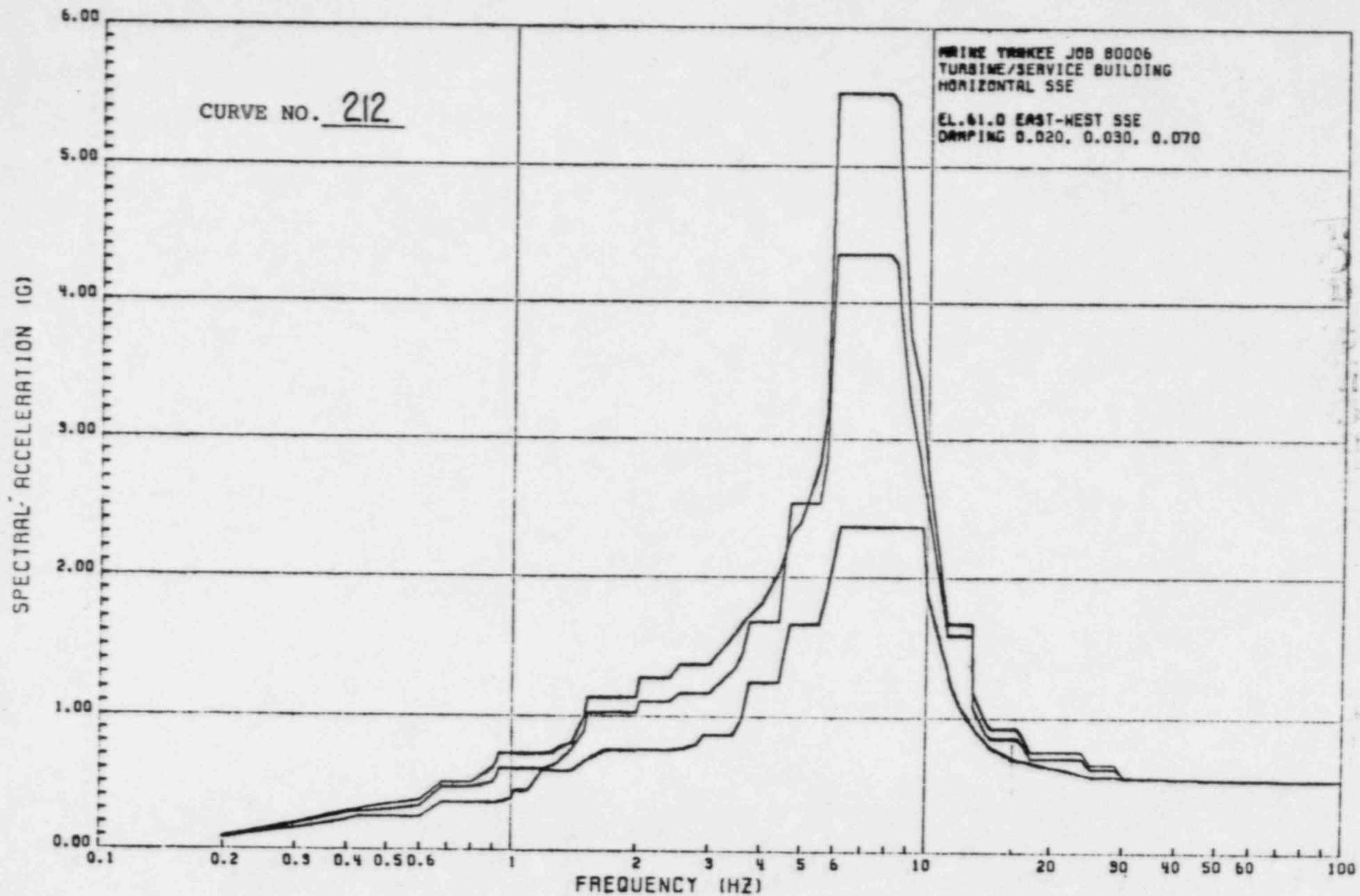
EARTHQUAKE ENGINEERING SYSTEMS

EES



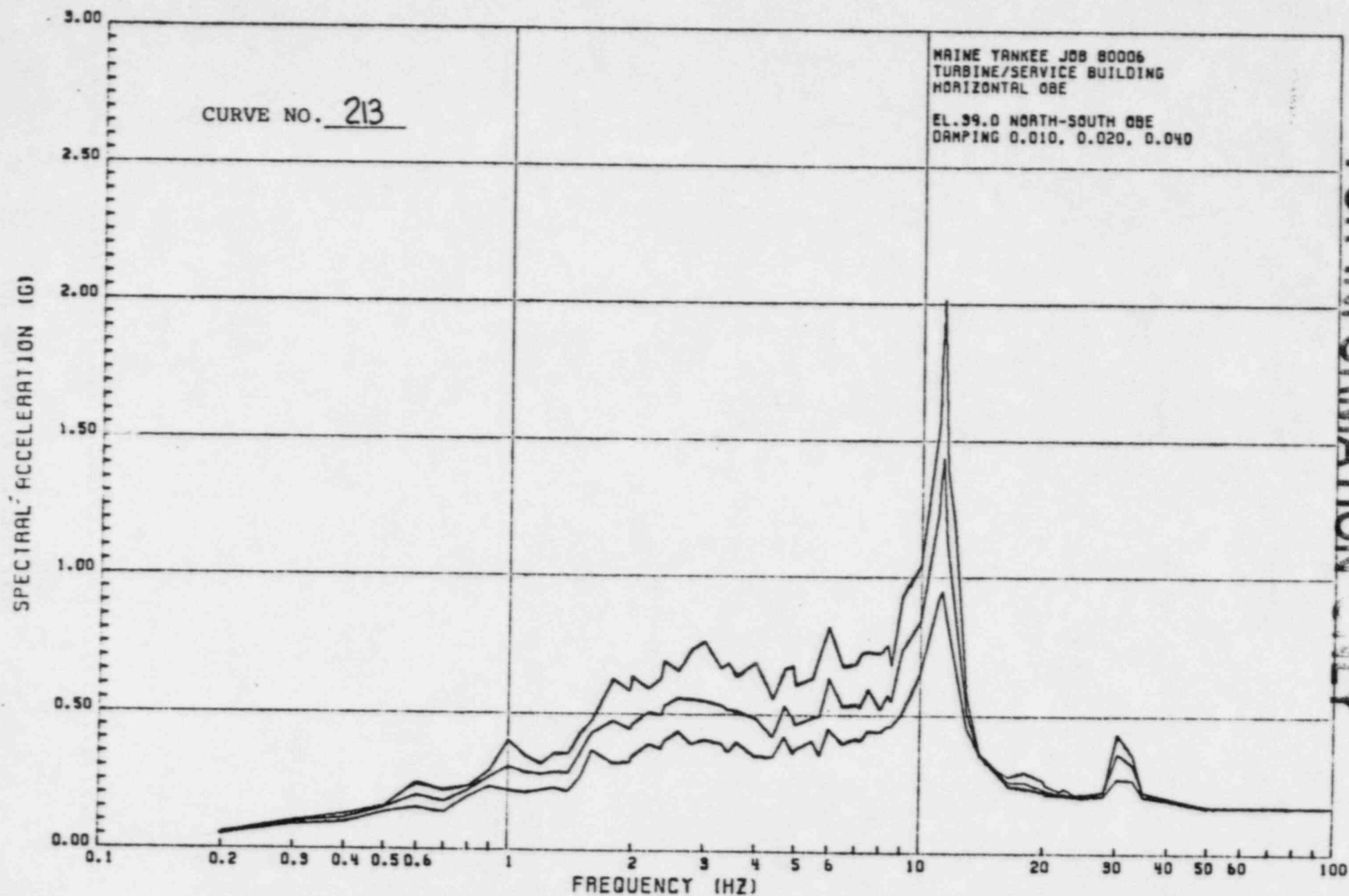
FOR INFORMATION ONLY

EES



EARTHQUAKE ENGINEERING SYSTEMS

EES



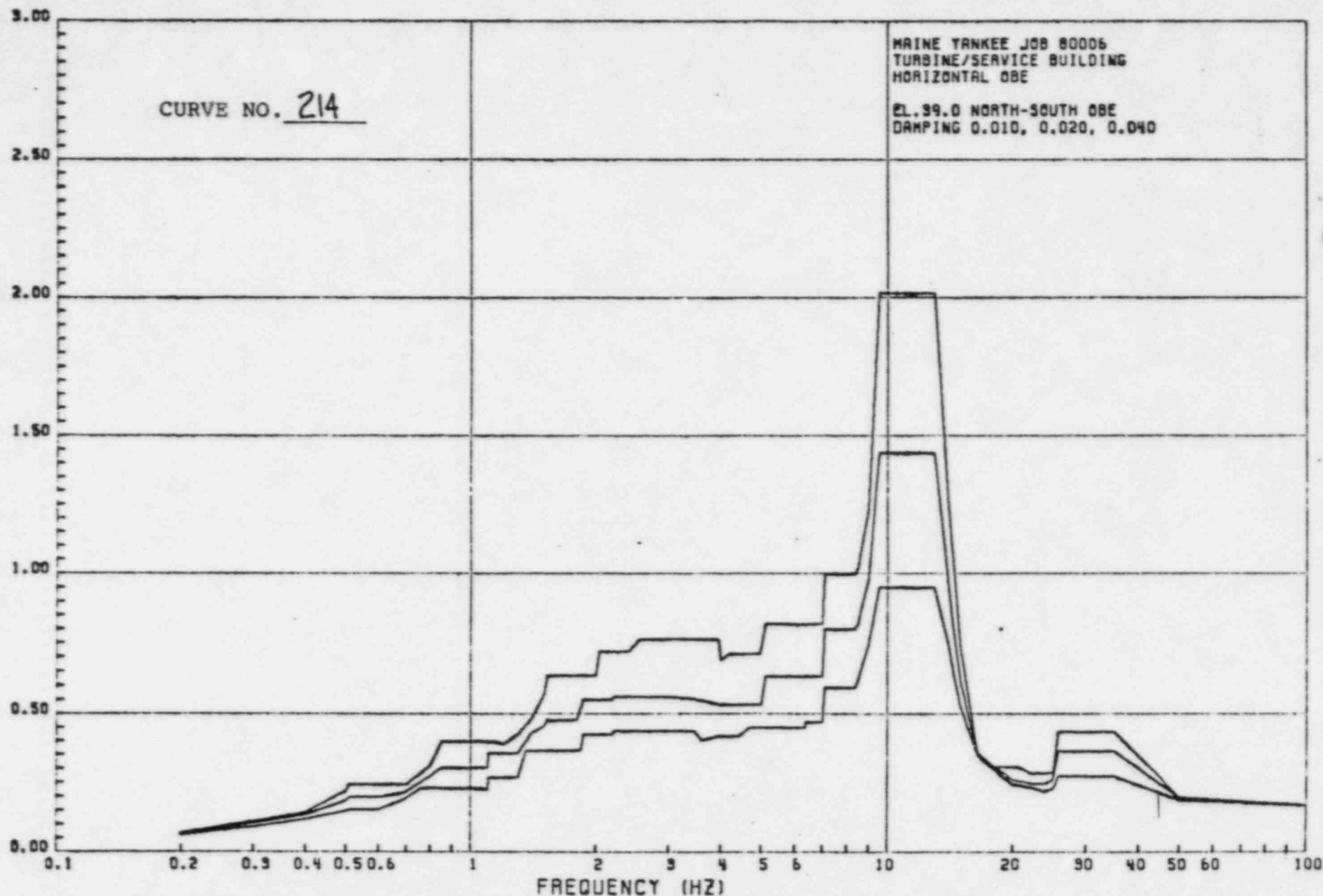
FOR INFORMATION ONLY

EES

CURVE NO. 214

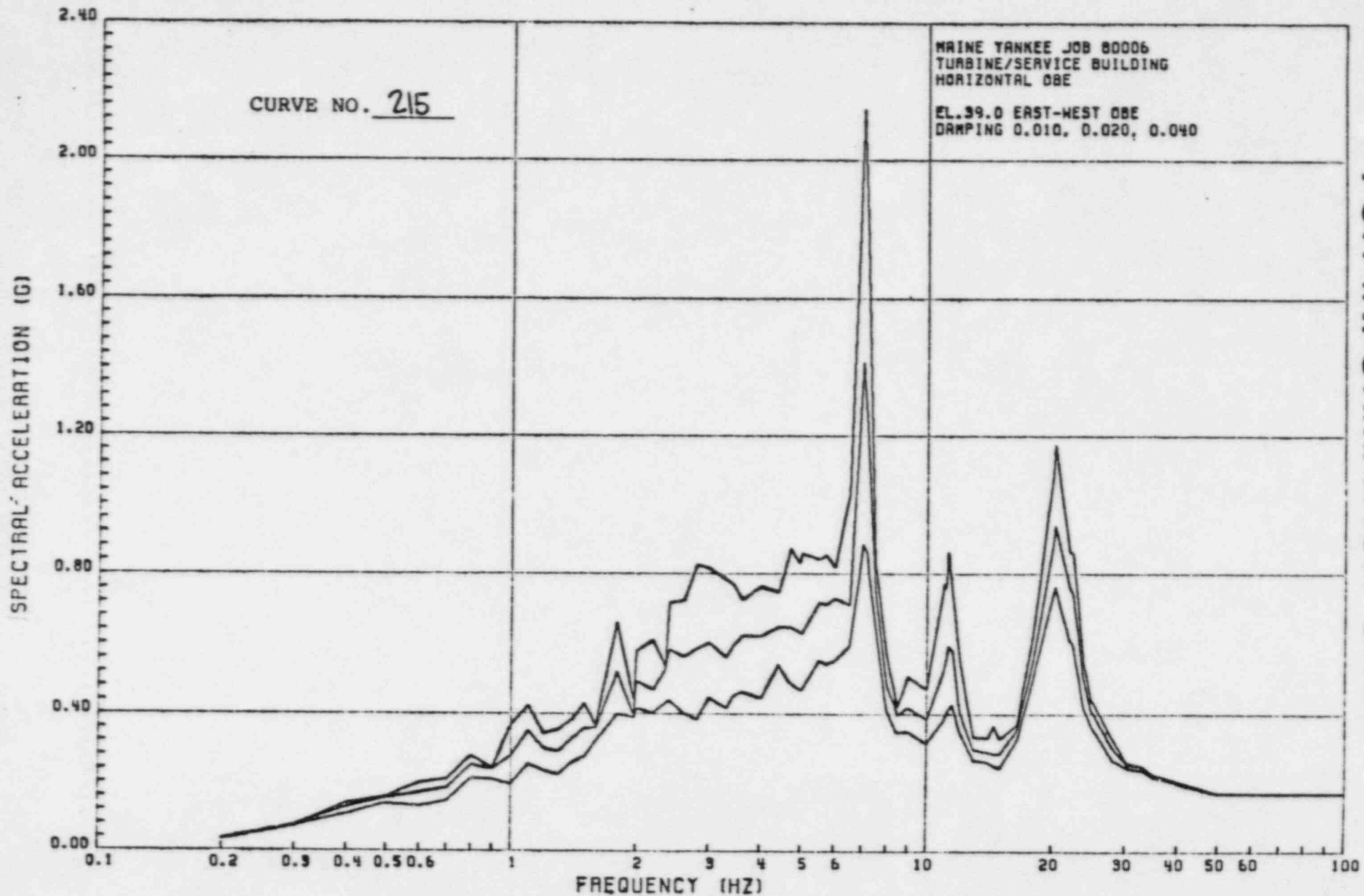
MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL OBE
EL. 99.0 NORTH-SOUTH OBE
DAMPING 0.010, 0.020, 0.040

SPECTRAL ACCELERATION (G)



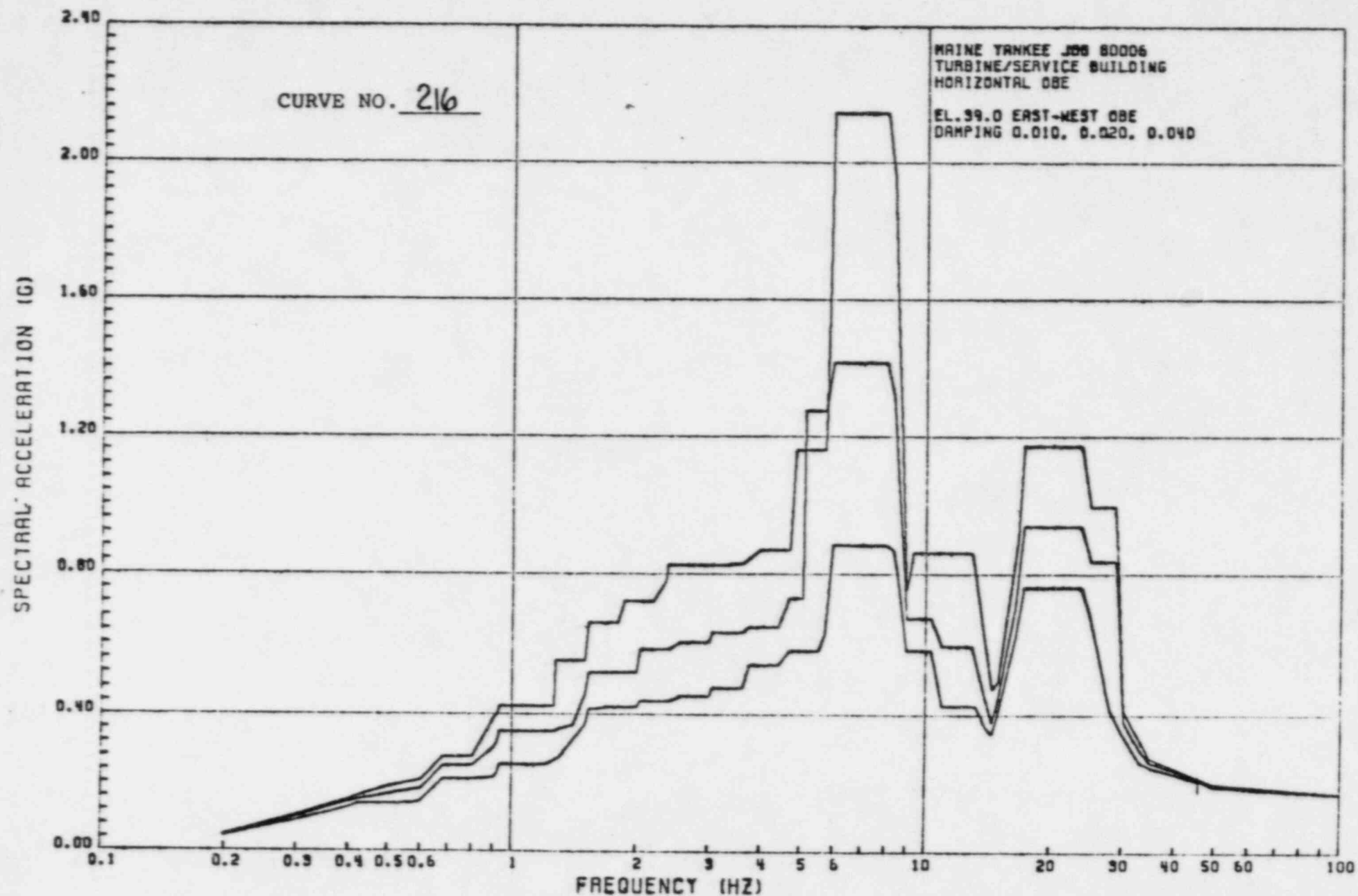
FOR INFORMATION ONLY

EES



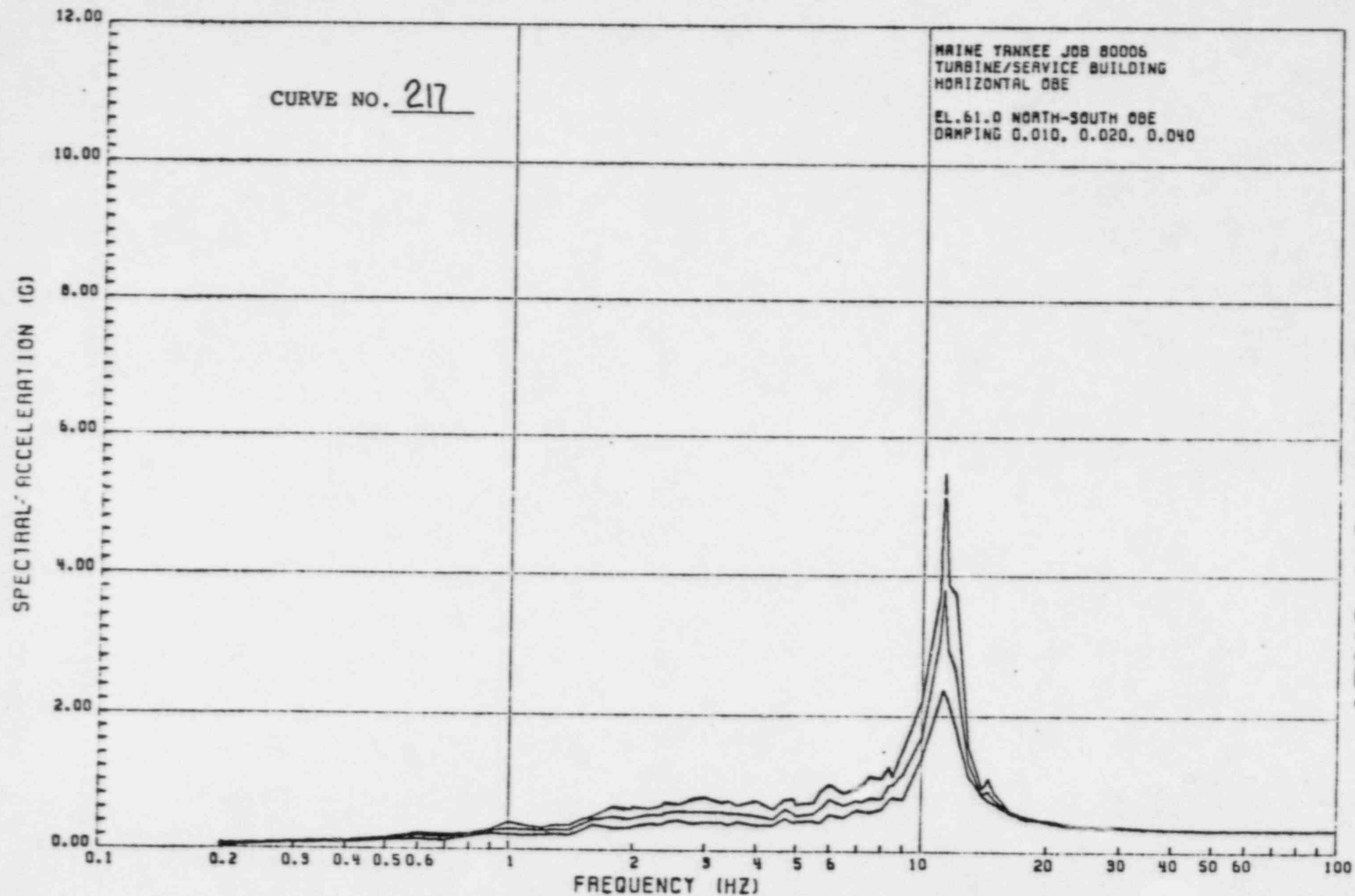
FOR INFORMATION ONLY

EES



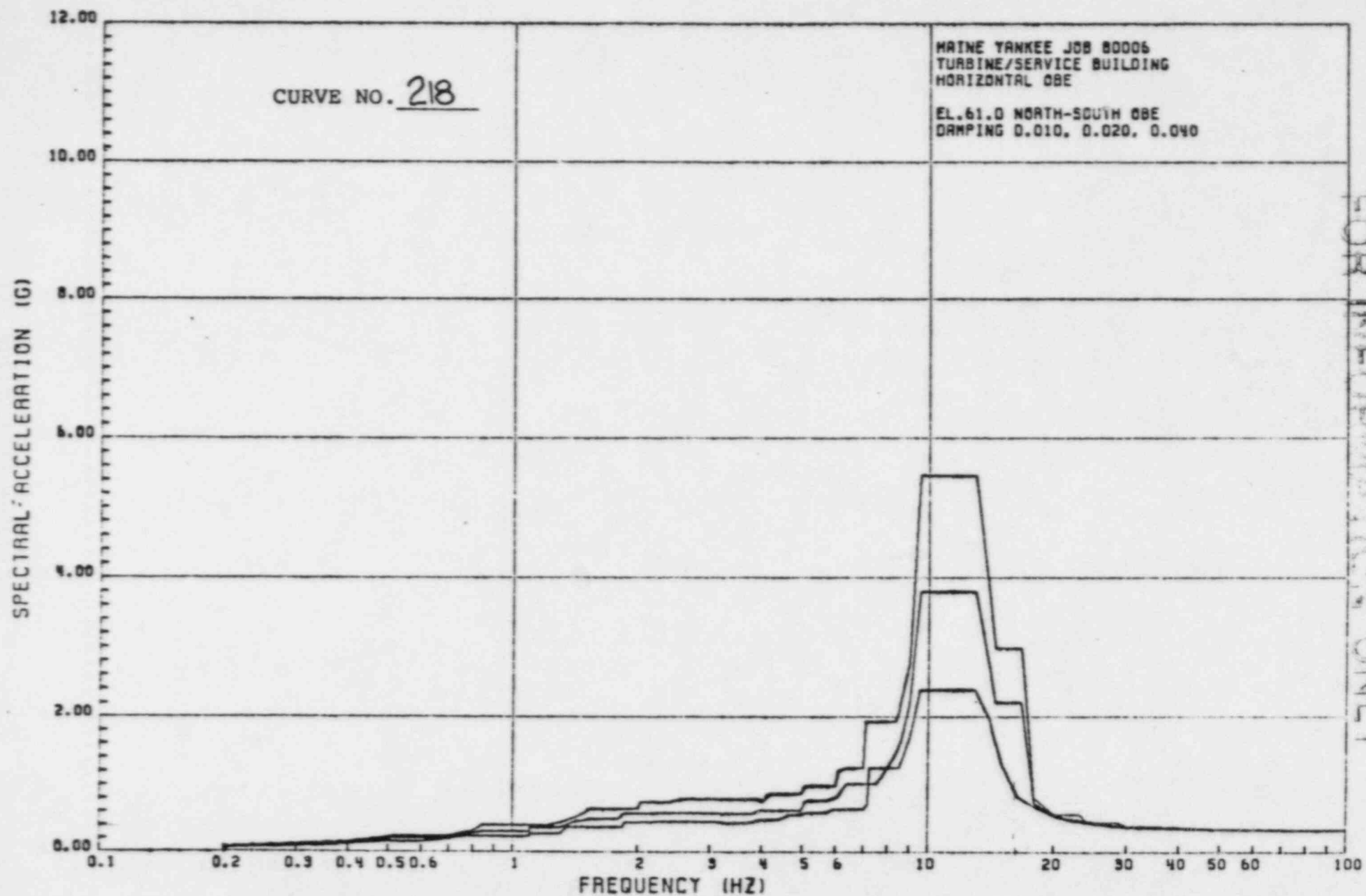
FOR INFORMATION ONLY

EES



FOR INFORMATION ONLY

EES

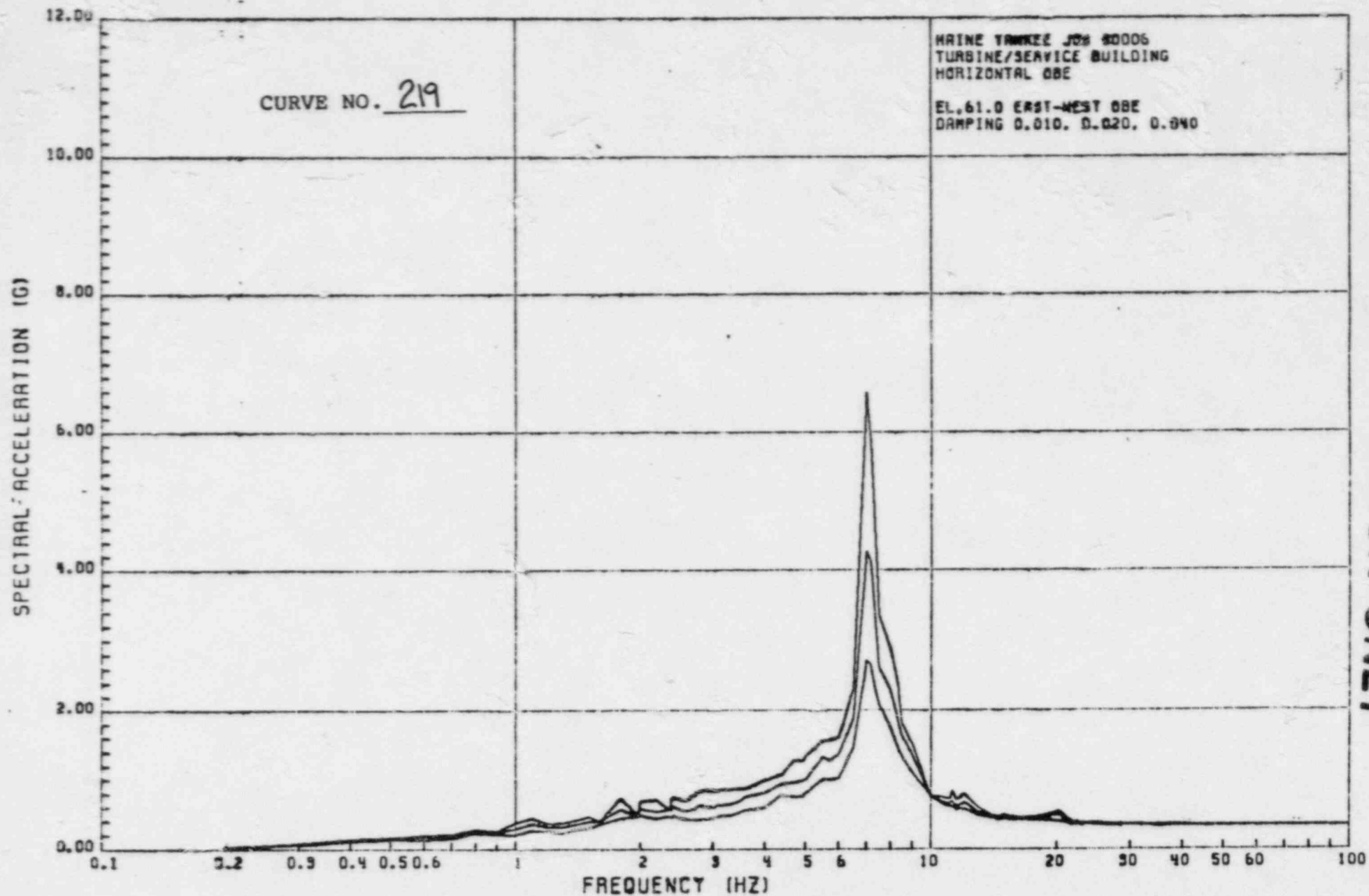


EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 219

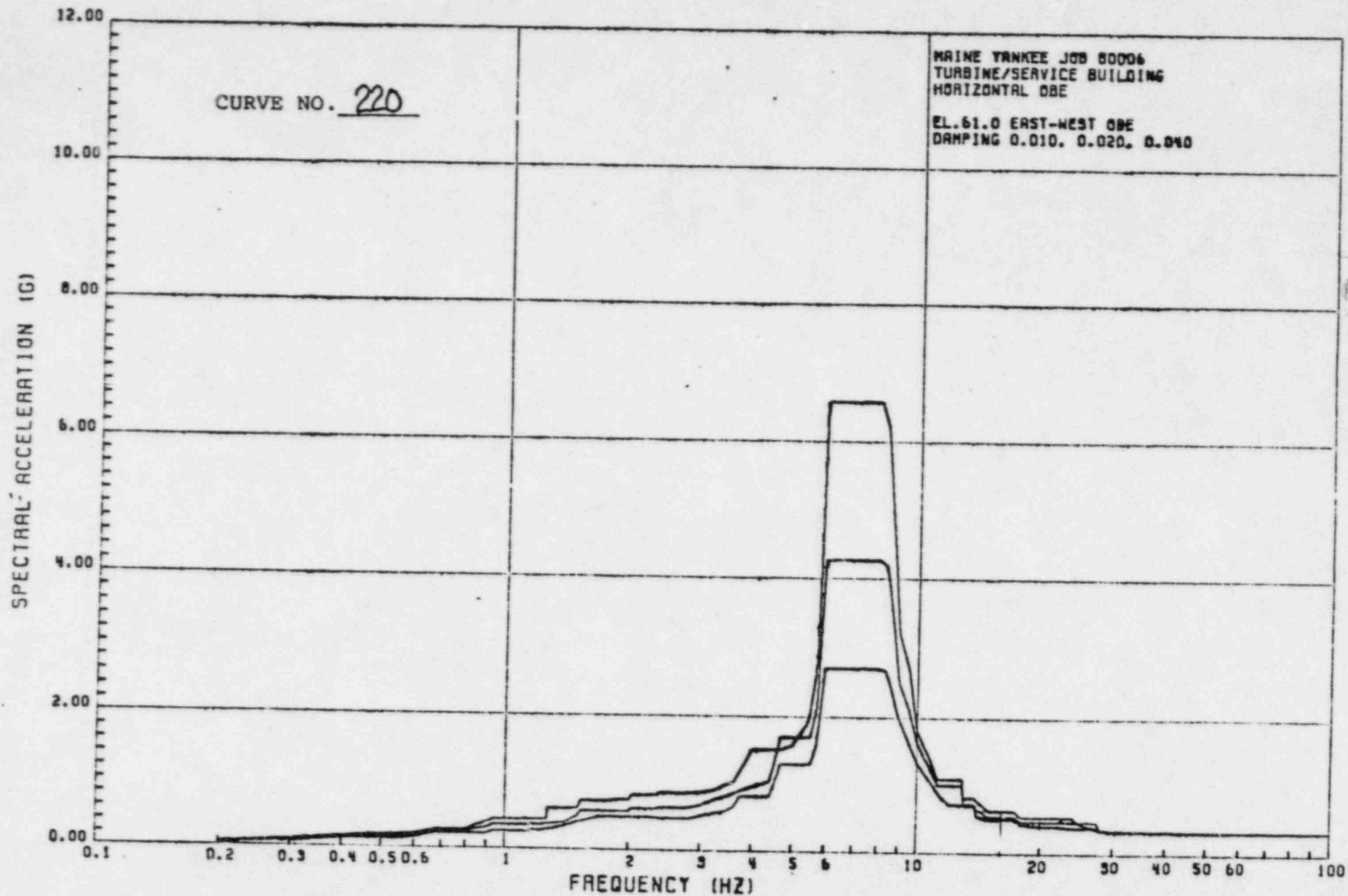
MAINE YANKEE JOB 80006
TURBINE/SERVICE BUILDING
HORIZONTAL OBE
EL. 61.0 EAST-WEST OBE
DAMPING 0.010, 0.020, 0.040



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

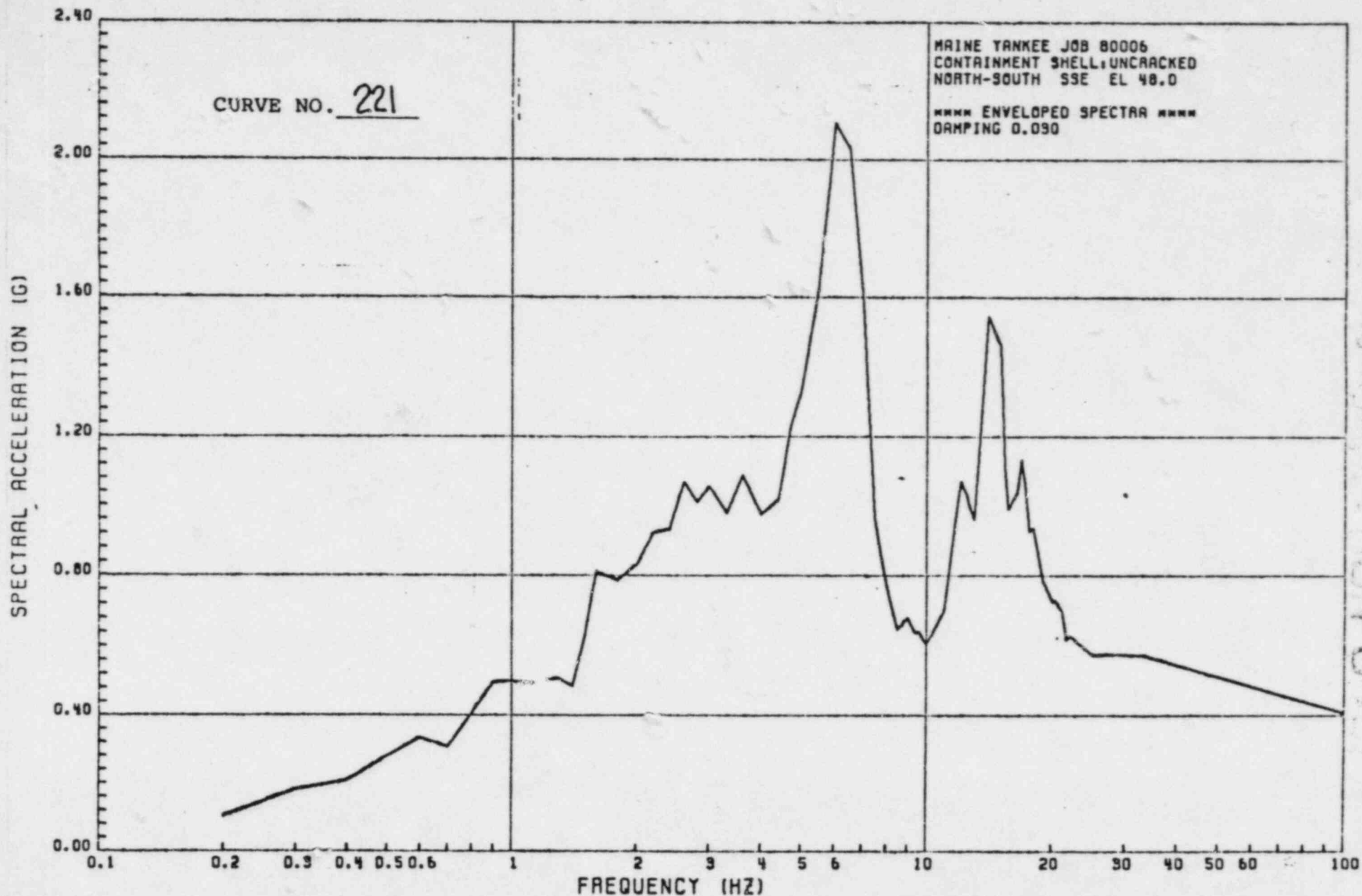
EES

NPFIL07

CURVE NO. 221

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
NORTH-SOUTH SSE EL 48.0

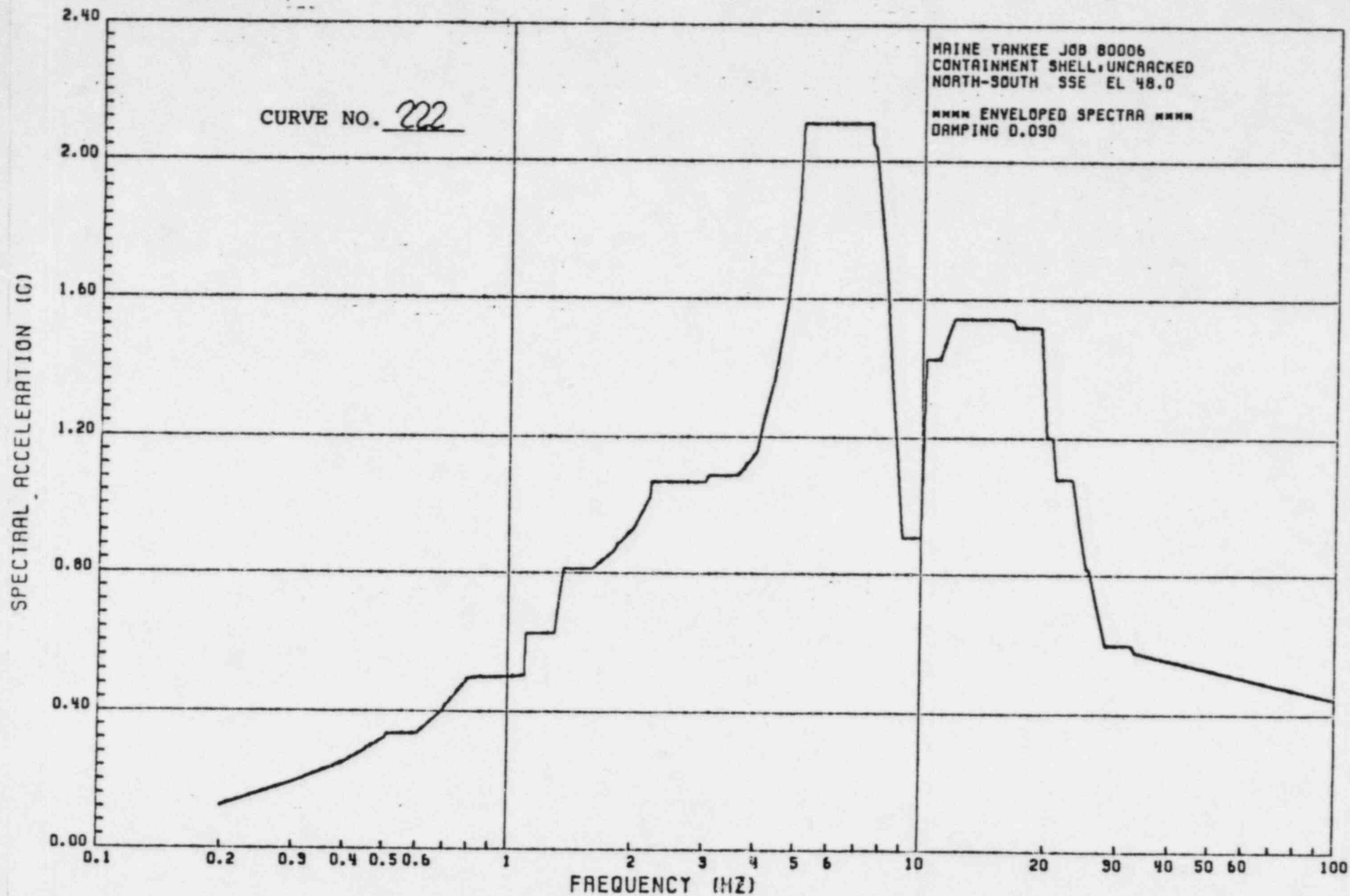
**** ENVELOPED SPECTRA ****
DAMPING 0.090



EARTHQUAKE ENGINEERING SYSTEMS

EES

NPFIL08



FOR INFORMATION ONLY

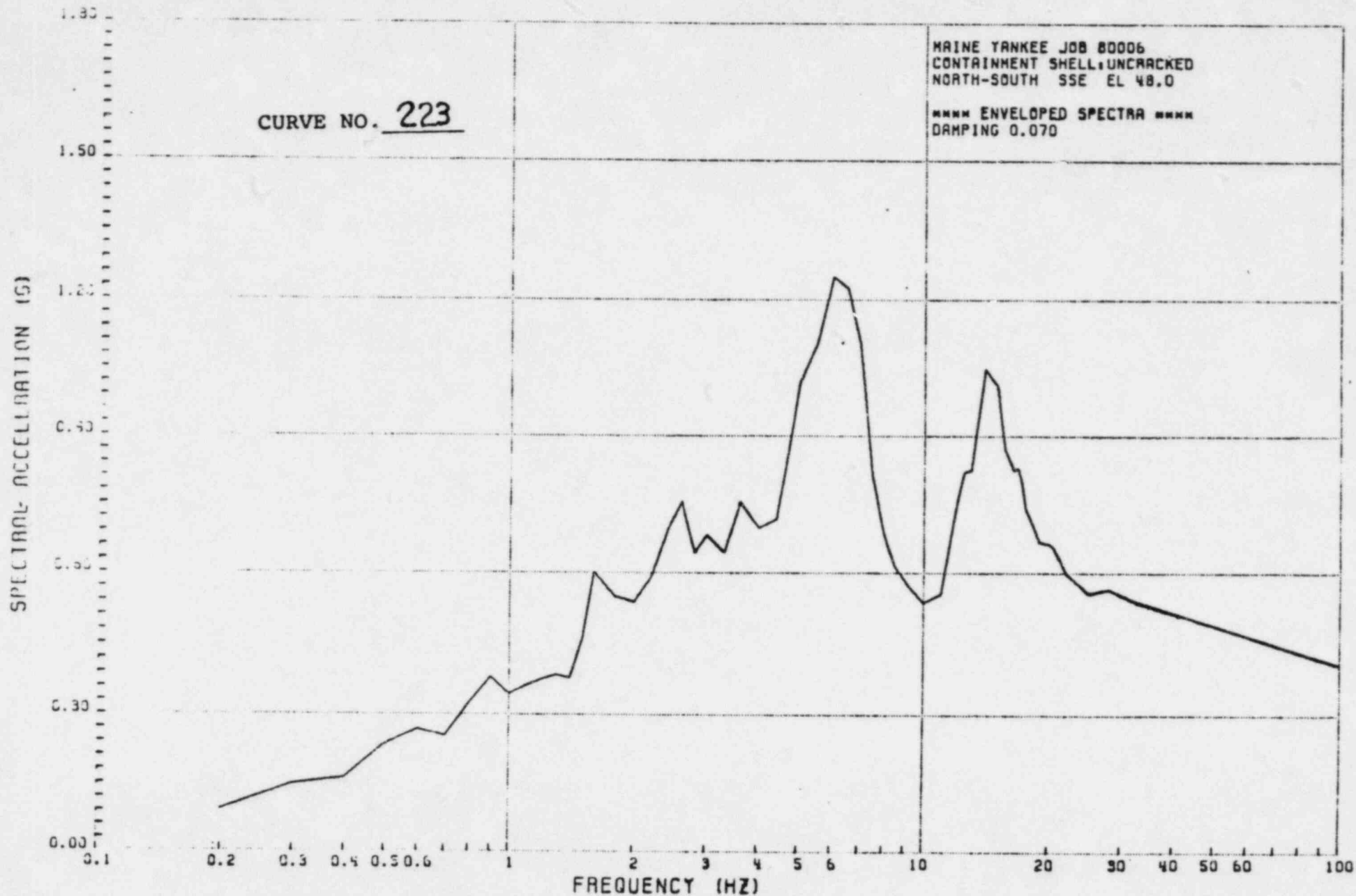
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 223

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
NORTH-SOUTH SSE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.070



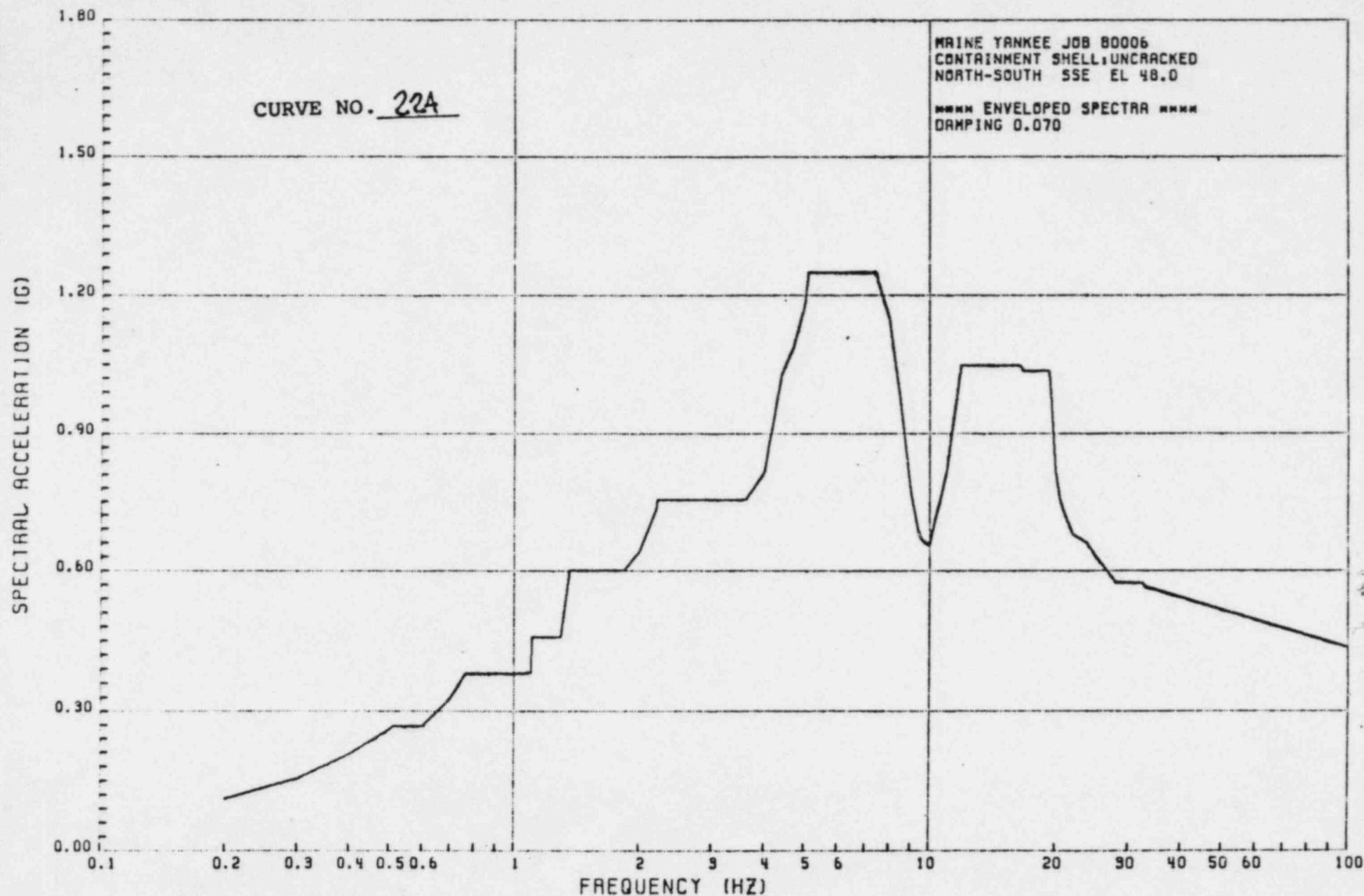
FOR INFORMATION ONLY

EES

CURVE NO. 22A

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
NORTH-SOUTH SSE EL 48.0

*** ENVELOPED SPECTRA ***
DAMPING 0.070



EARTHQUAKE ENGINEERING SYSTEMS

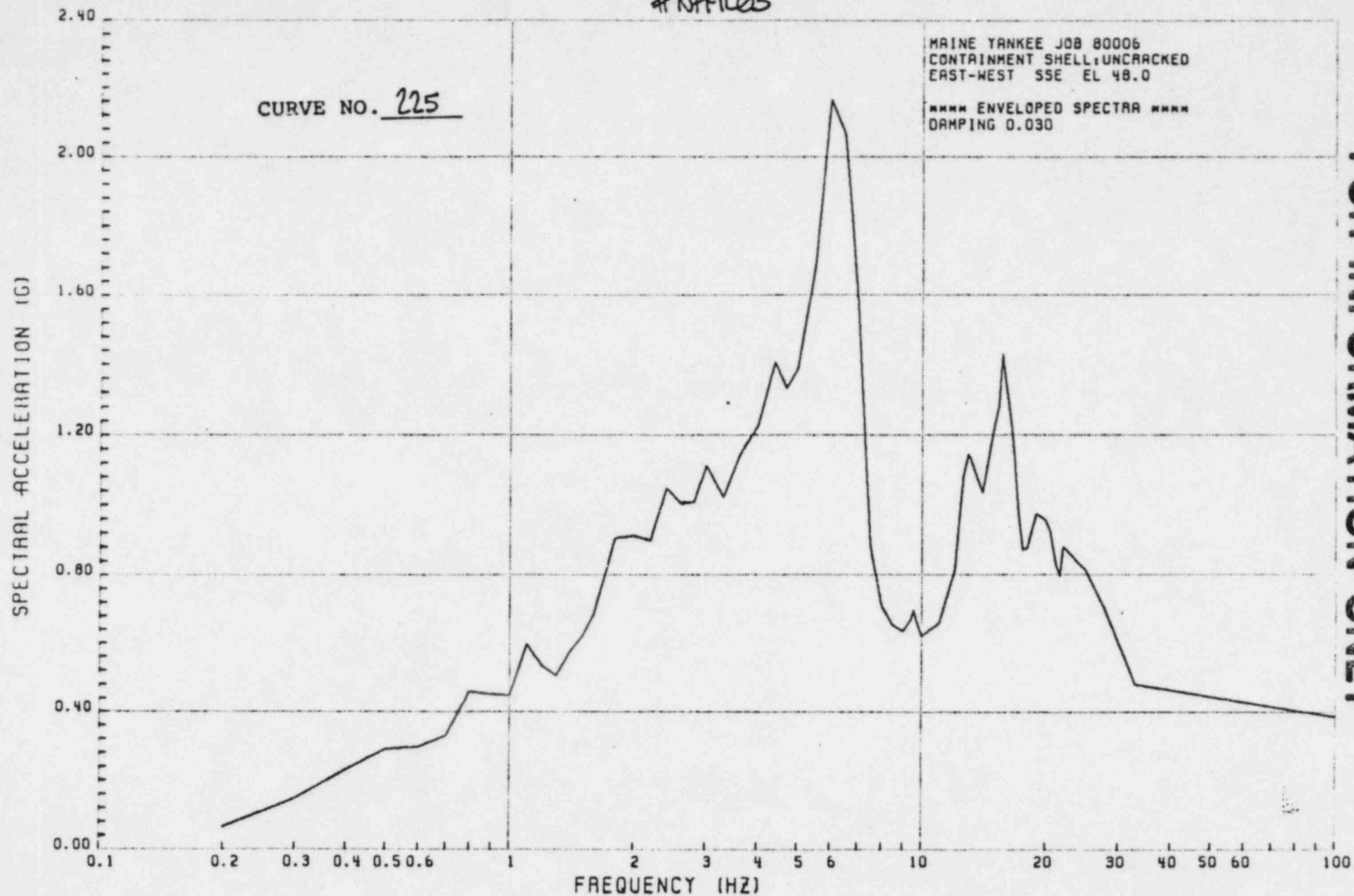
EES

#NPF1405

CURVE NO. 225

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
EAST-WEST SSE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

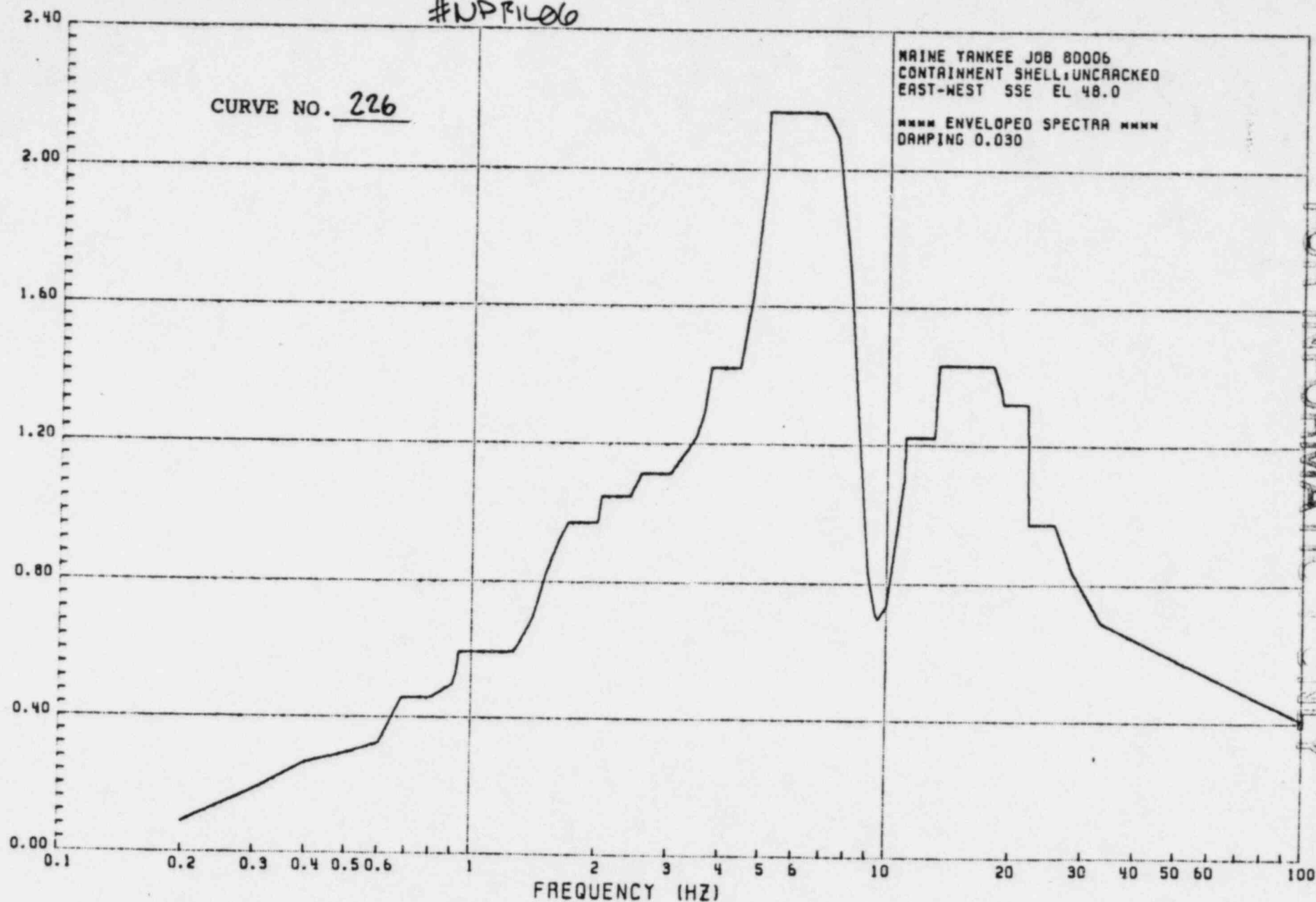
#NPR106

CURVE NO. 226

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
EAST-WEST SSE EL 48.0

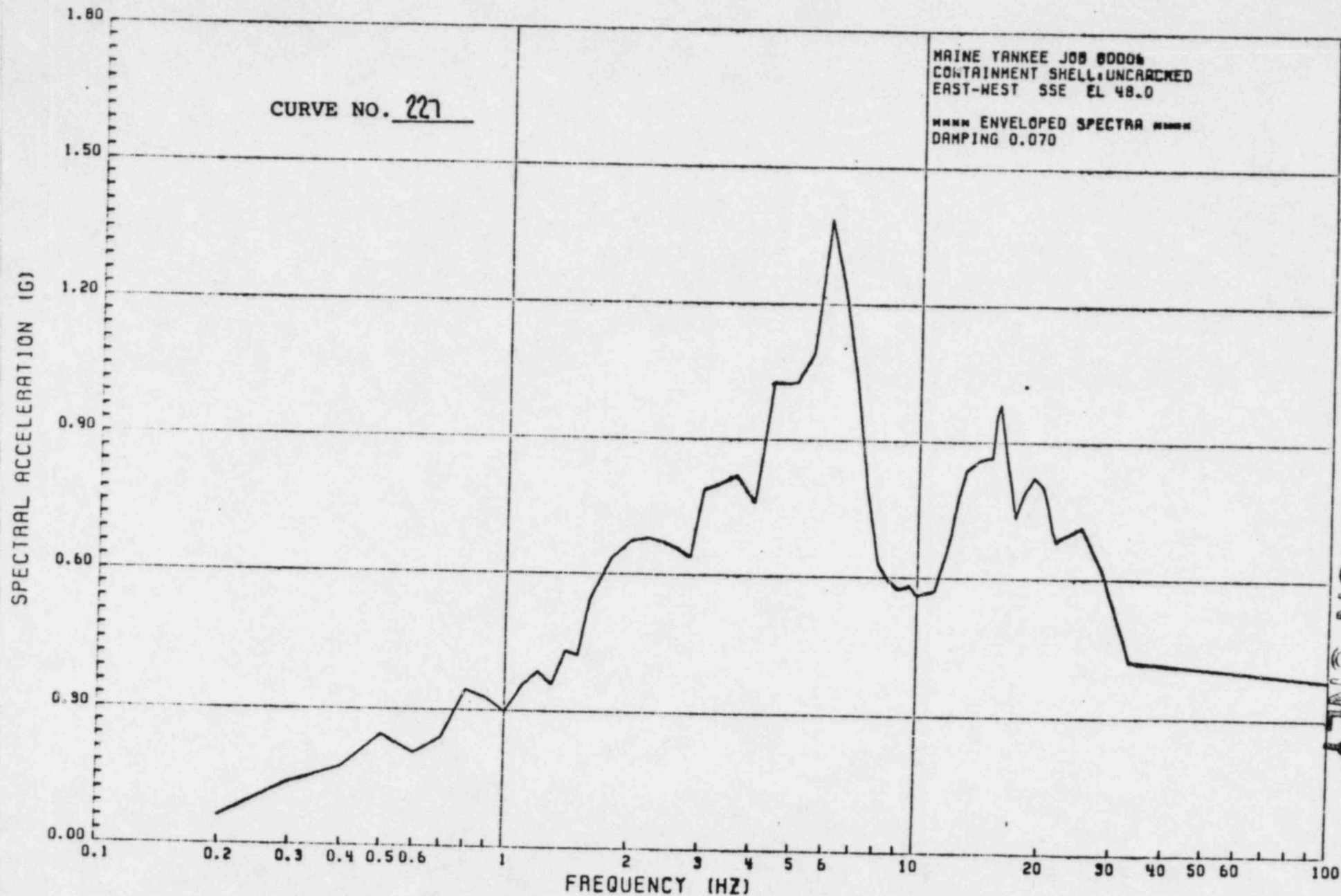
**** ENVELOPED SPECTRA ****
DAMPING 0.030

SPECTRAL ACCELERATION (G)



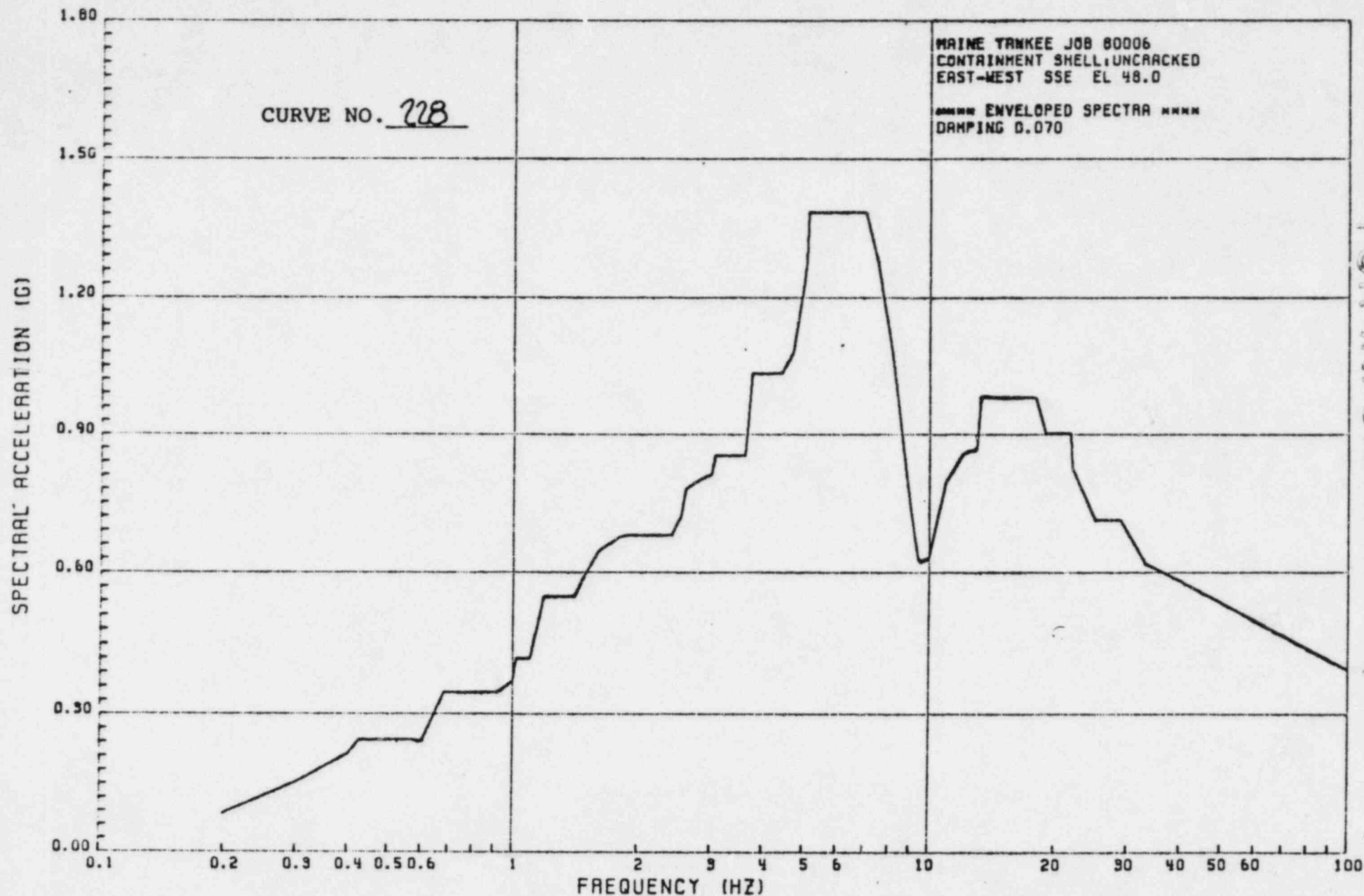
FOR INFORMATION ONLY

EES



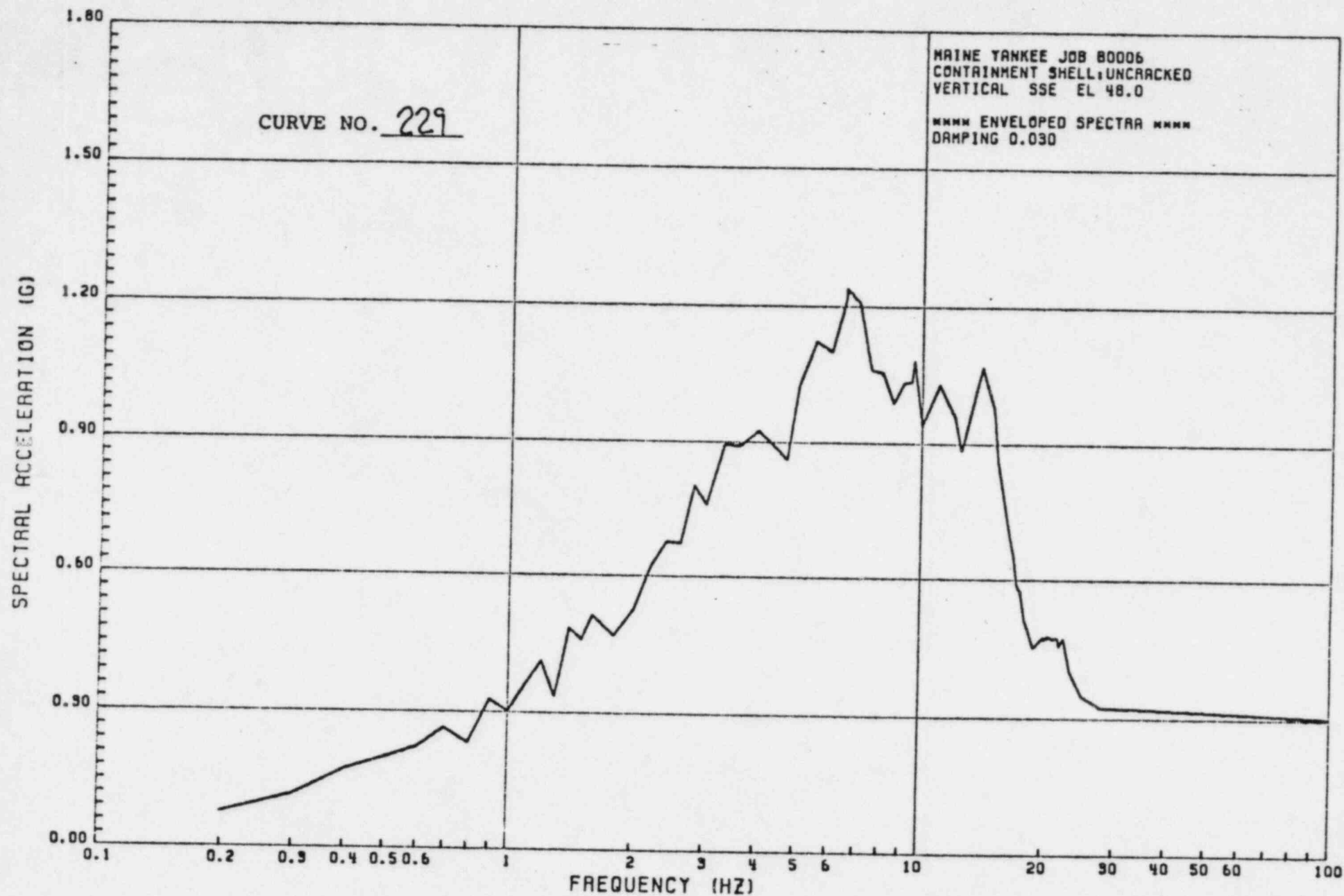
FOR INFORMATION ONLY

EES



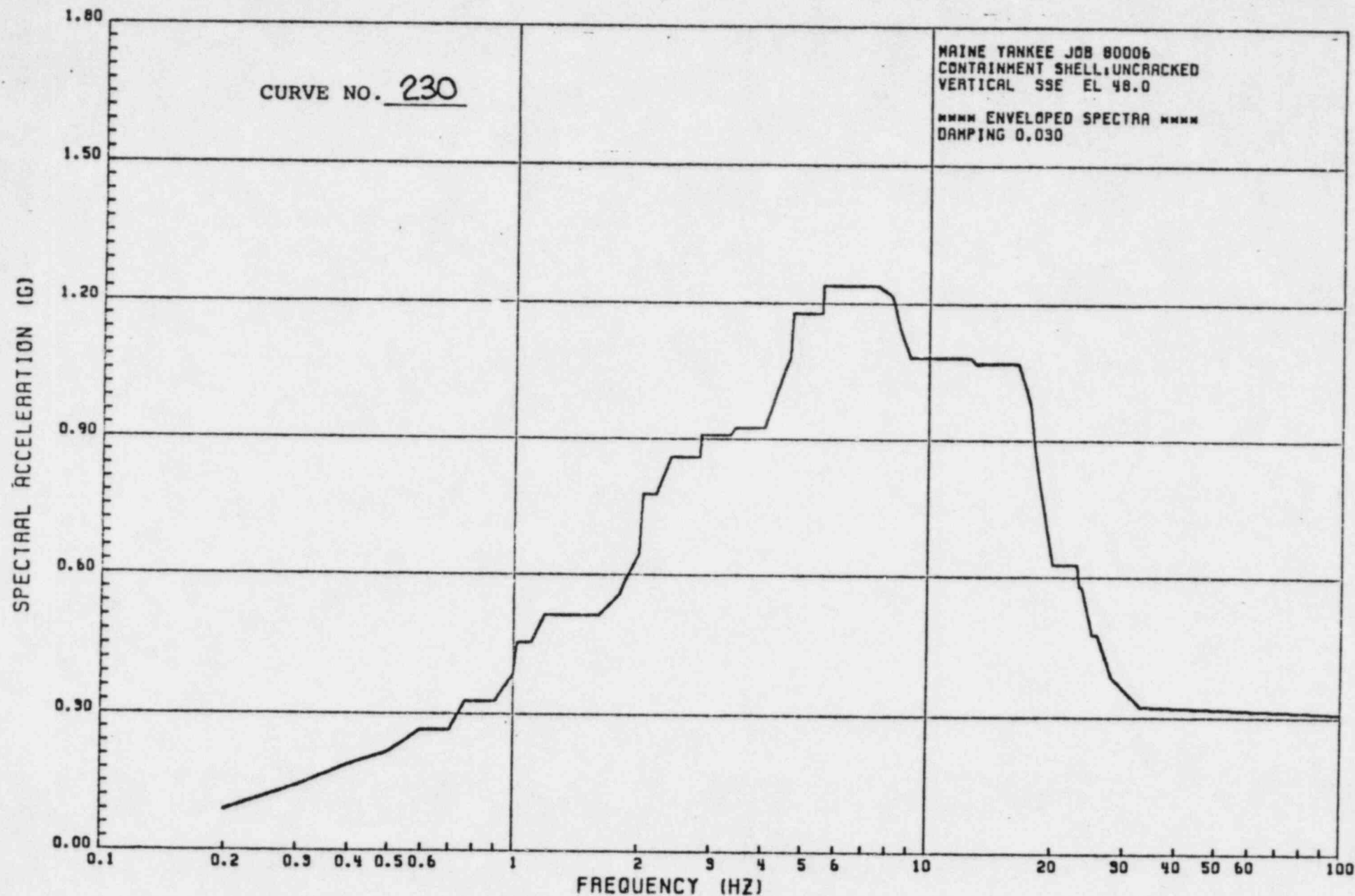
FOR INFORMATION ONLY

EES NPF1L11



FOR INFORMATION ONLY

EES NPF1L12



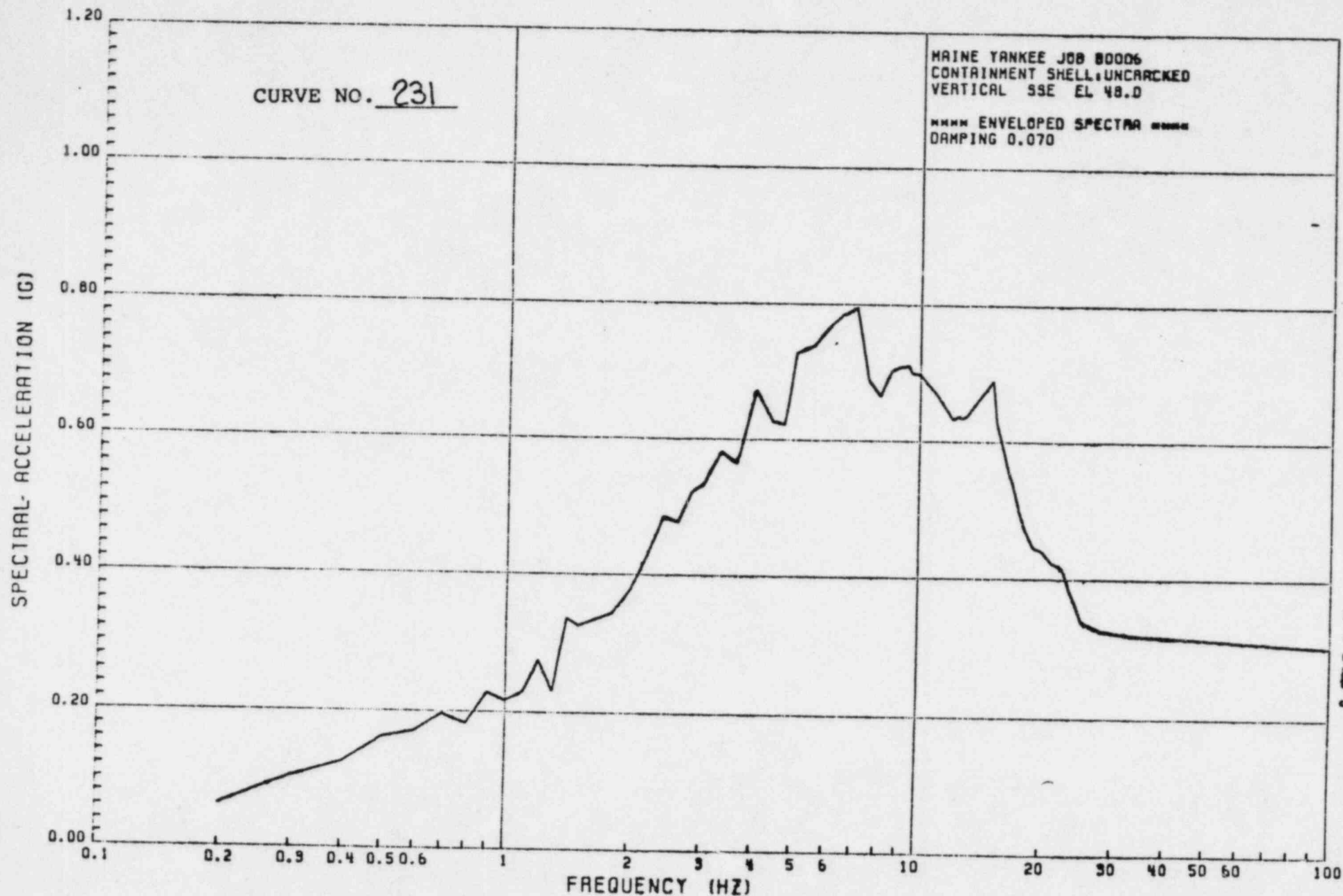
FOR INFORMATION ONLY

EES

CURVE NO. 231

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
VERTICAL SSE EL 48.0

*** ENVELOPED SPECTRA ***
DAMPING 0.070



FOR INFORMATION ONLY

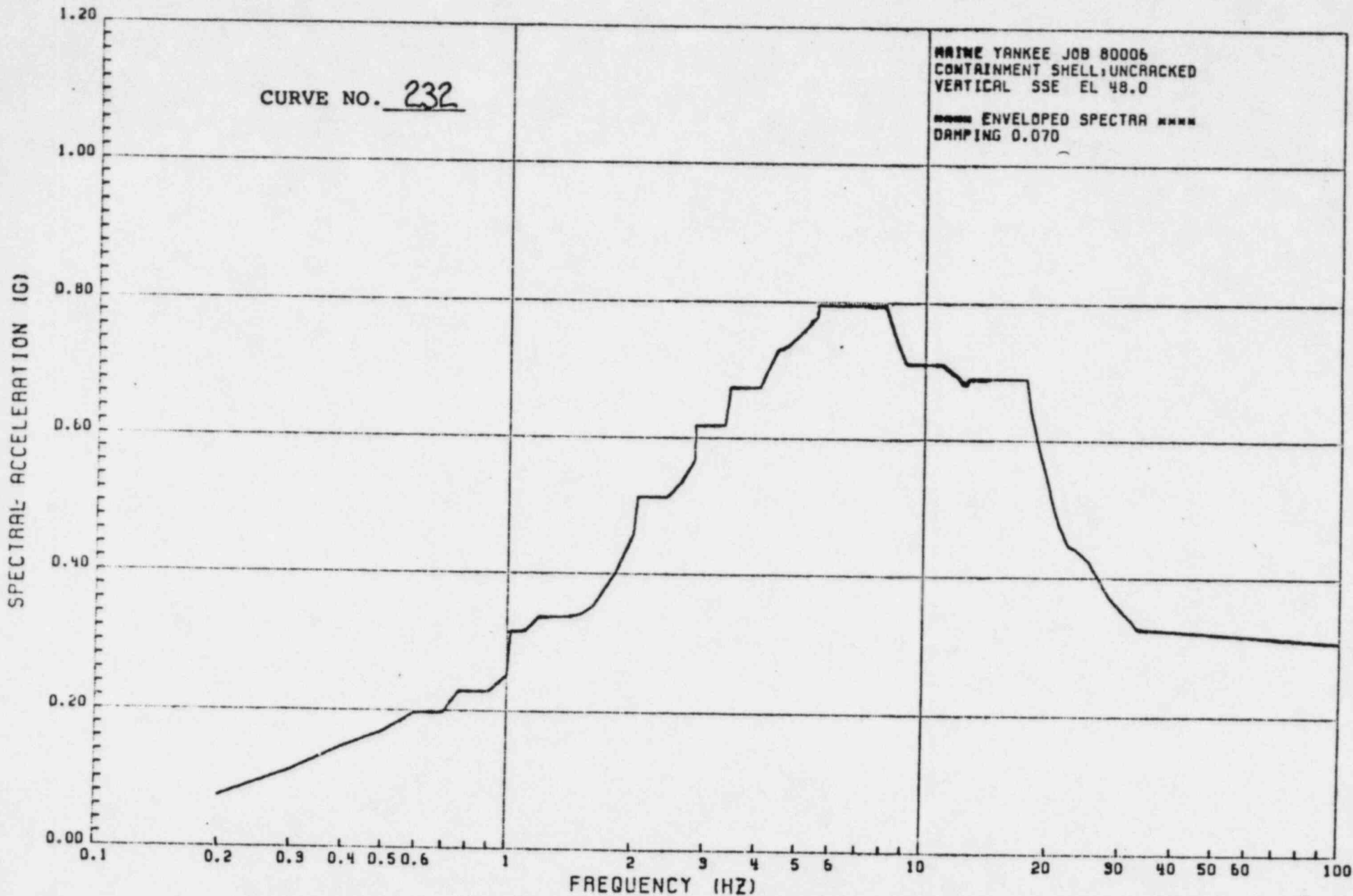
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 232

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
VERTICAL SSE EL 48.0

***** ENVELOPED SPECTRA *****
DAMPING 0.070



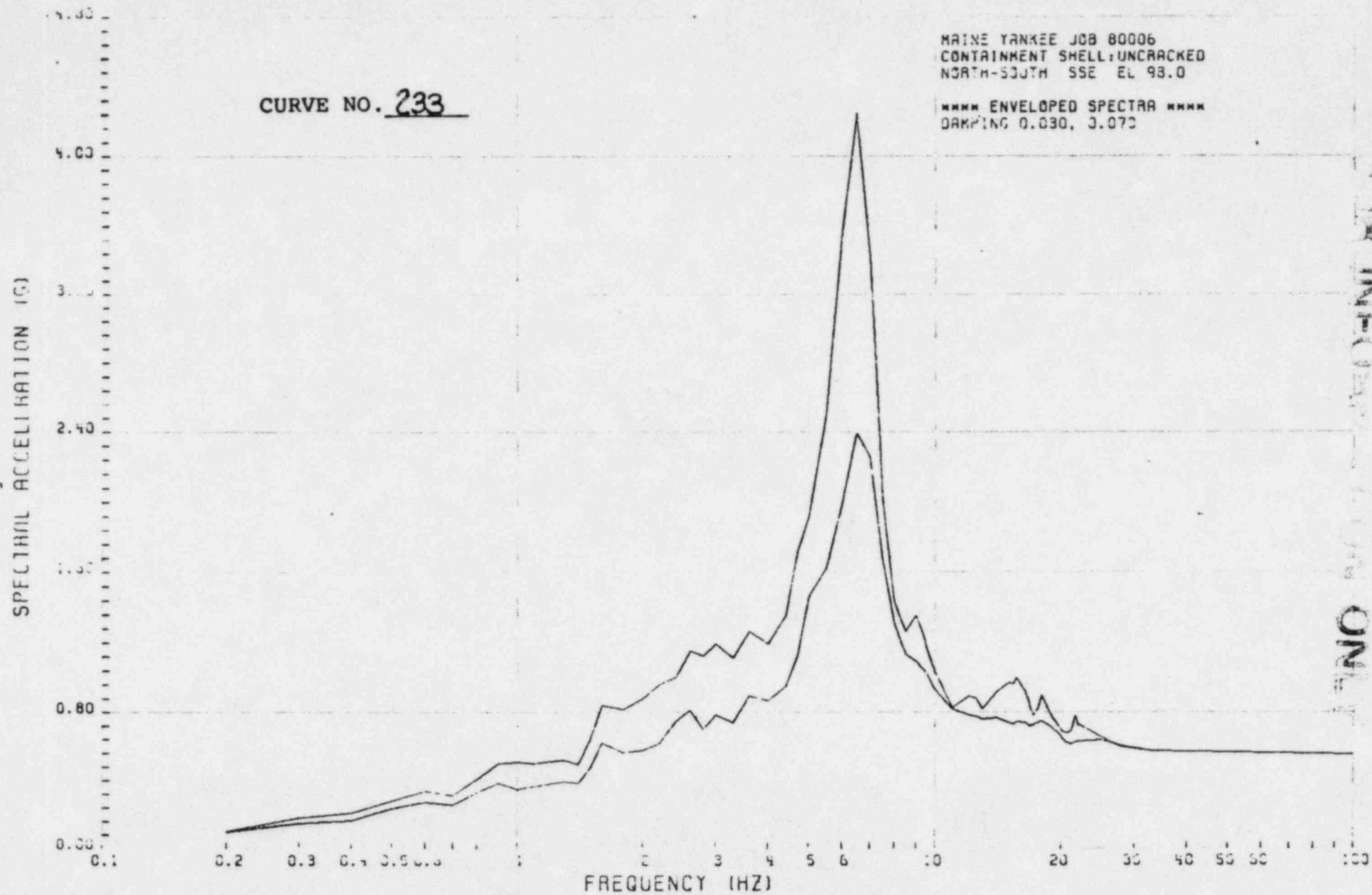
FOR INFORMATION ONLY

EES

CURVE NO. 233

MAINE YANKEE JOB 80006
CONTAINMENT SHELL: UNCRACKED
NORTH-SOUTH SSE EL 93.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030, 3.072

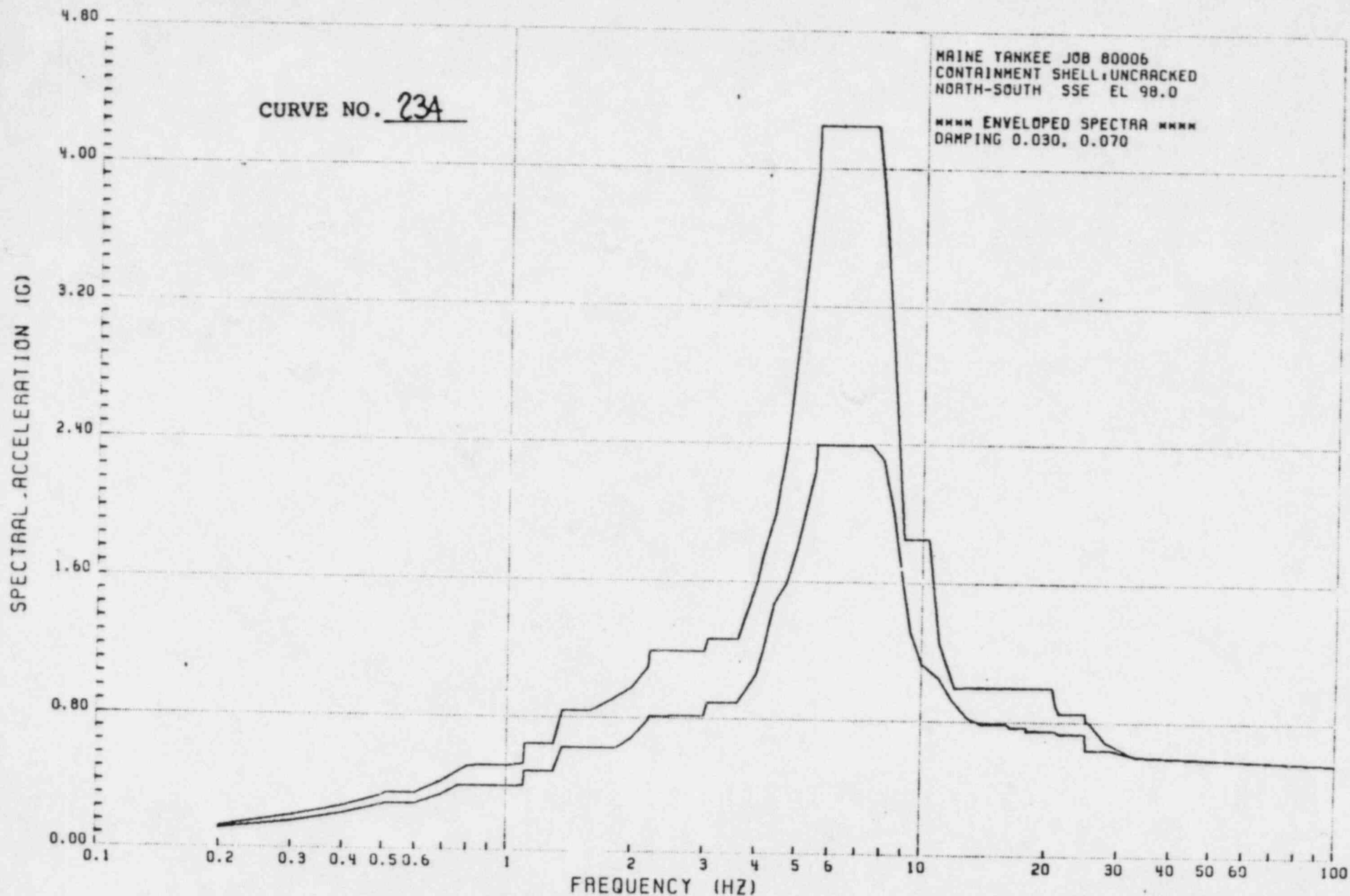


EES

CURVE NO. 234

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
NORTH-SOUTH SSE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030, 0.070



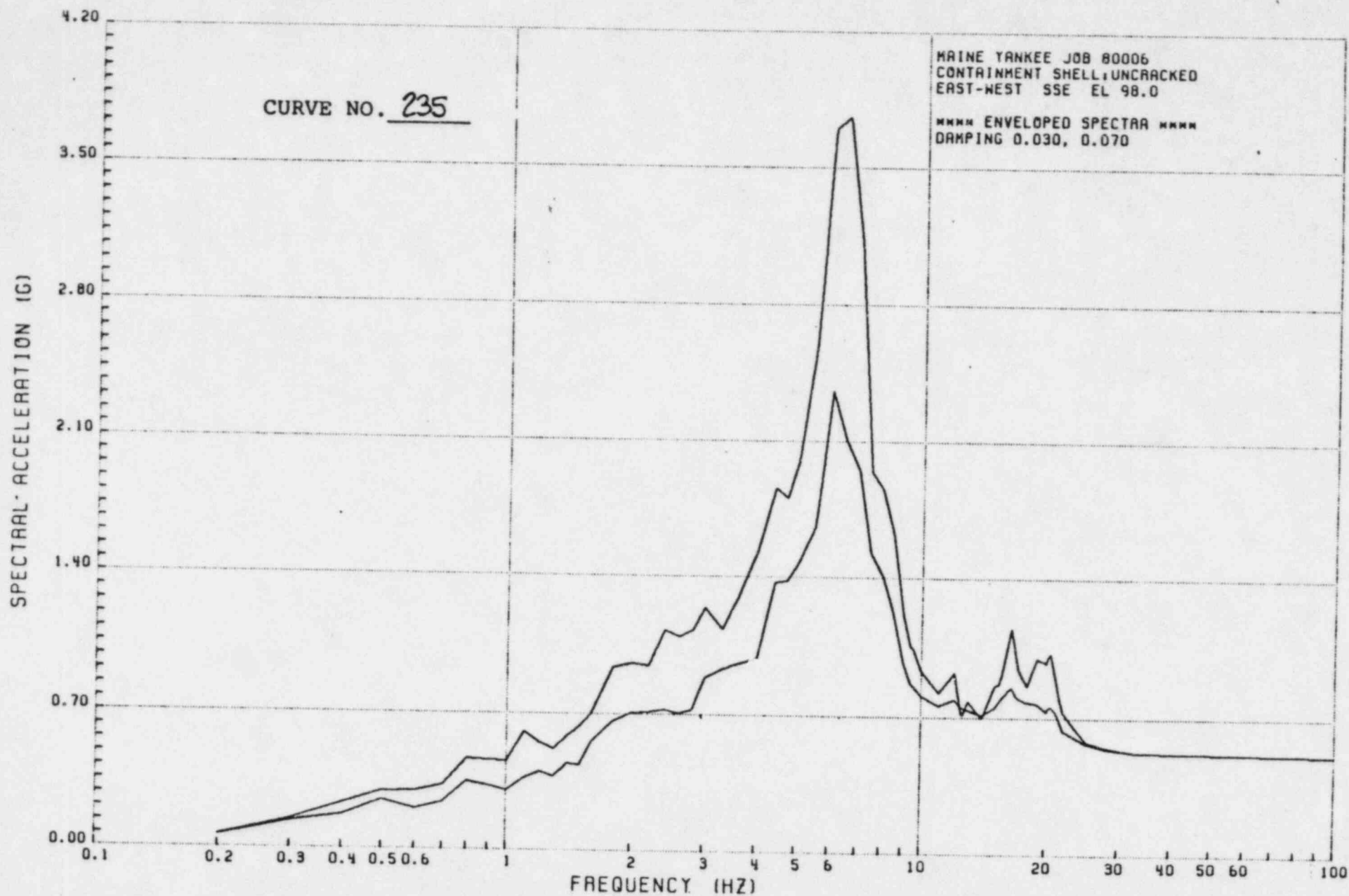
FOR INFORMATION ONLY

EES

CURVE NO. 235

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
EAST-WEST SSE EL 98.0

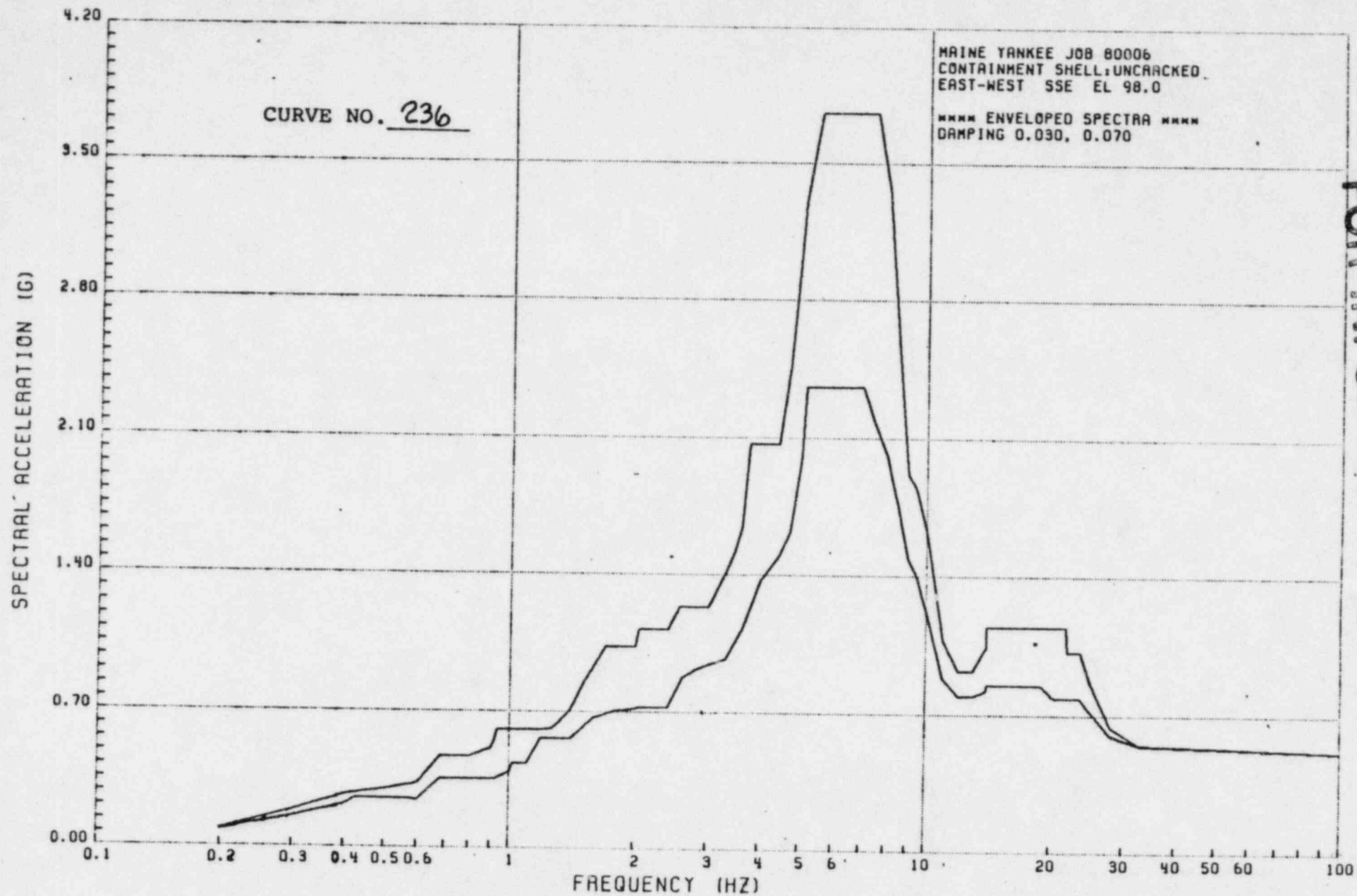
**** ENVELOPED SPECTRA ****
DAMPING 0.030, 0.070



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES



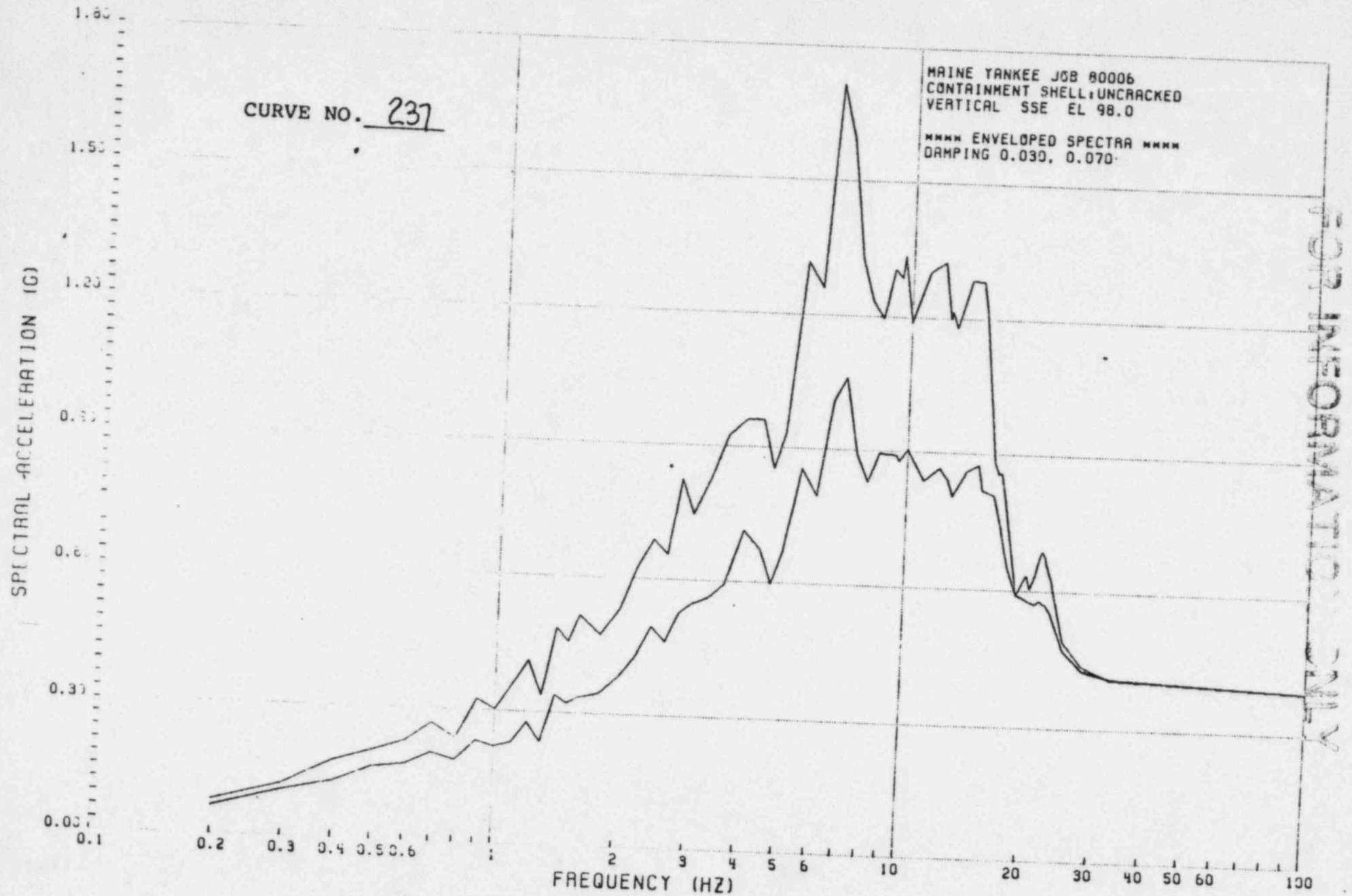
FOR INFORMATION ONLY

EES

CURVE NO. 237

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
VERTICAL SSE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030, 0.070



EARTHQUAKE ENGINEERING SYSTEMS

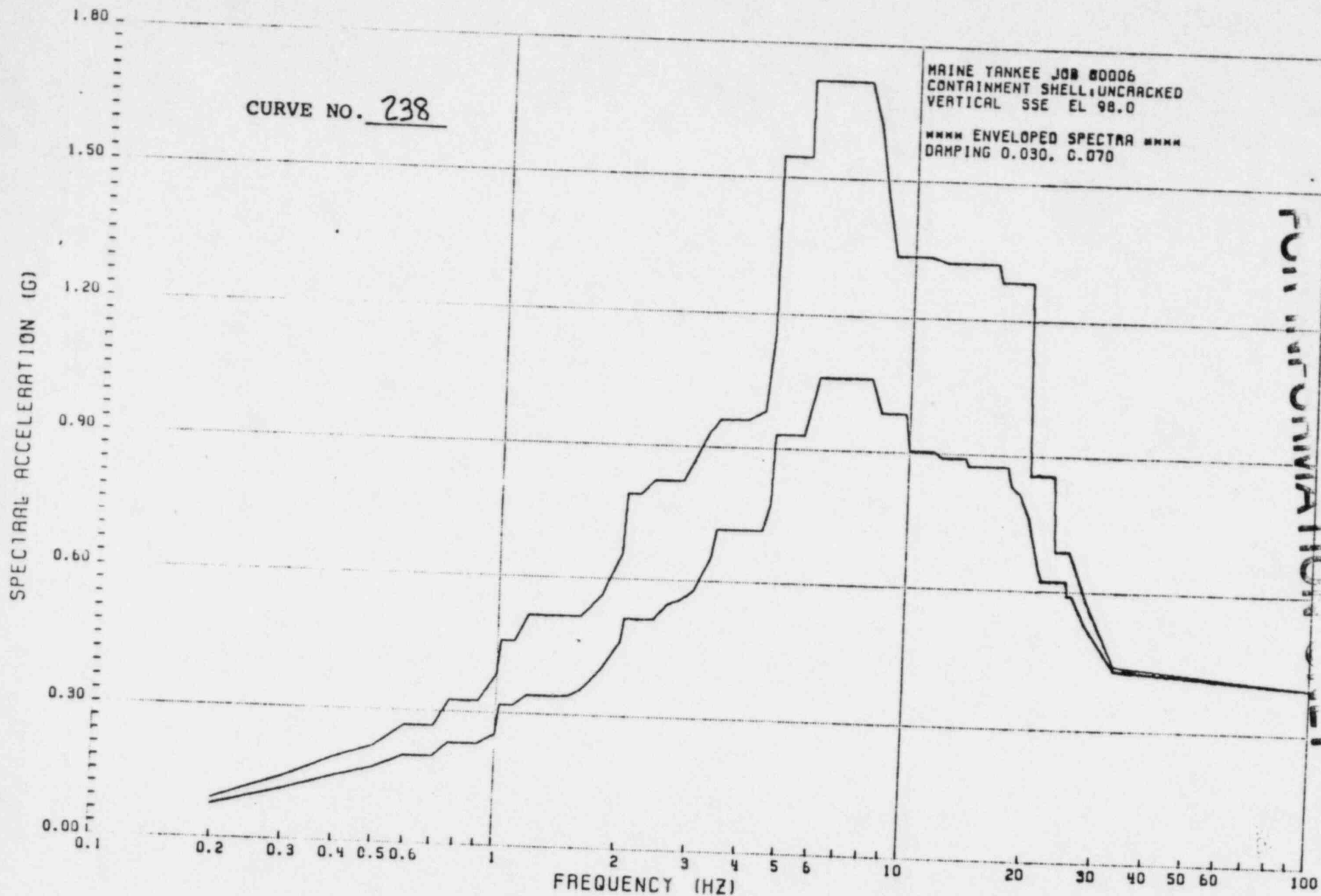
FOR INFORMATION ONLY

ECS

CURVE NO. 238

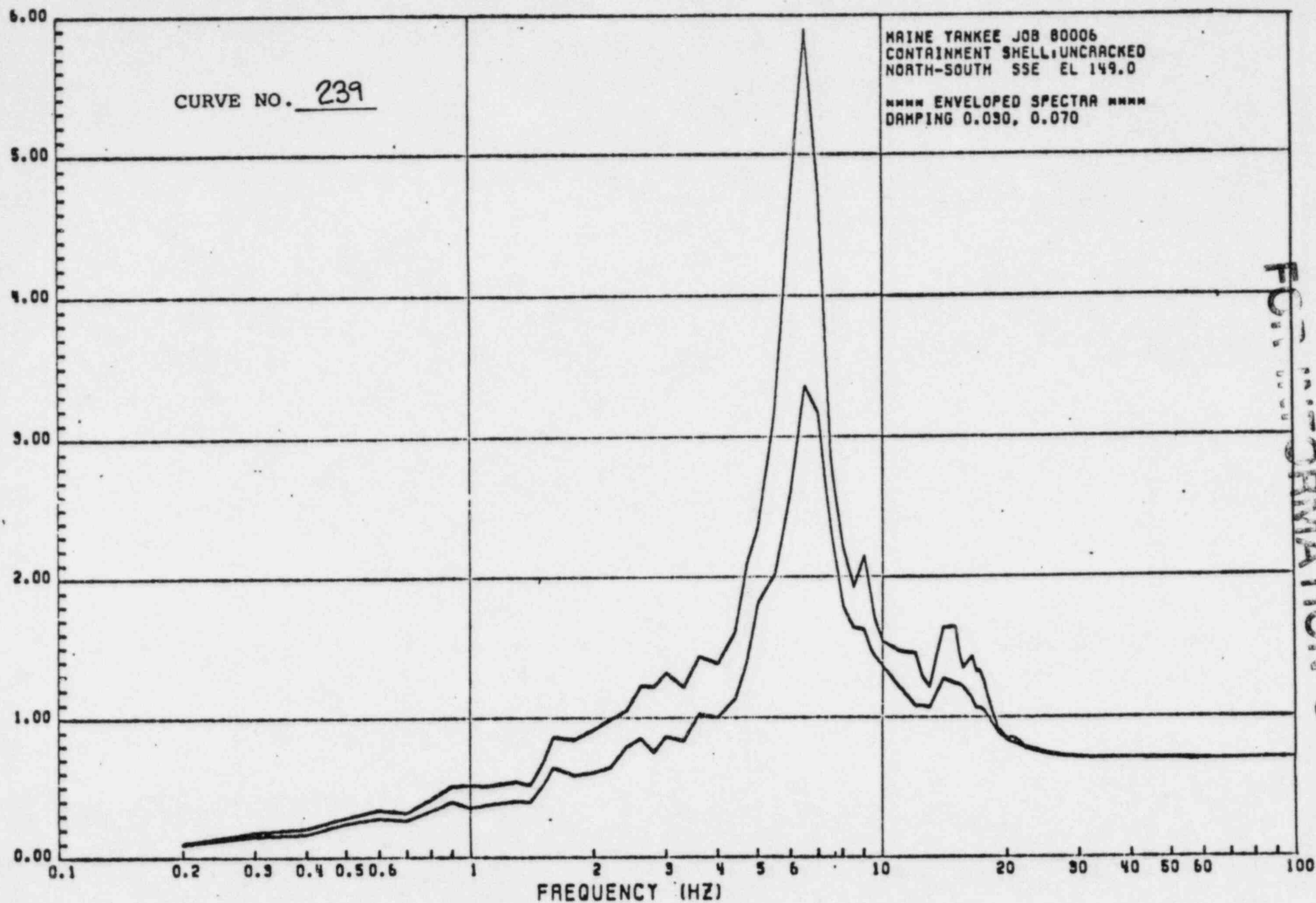
MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
VERTICAL SSE EL 98.0

ENVELOPED SPECTRA
DAMPING 0.030, 0.070



EARTHQUAKE ENGINEERING SYSTEMS

EEJ



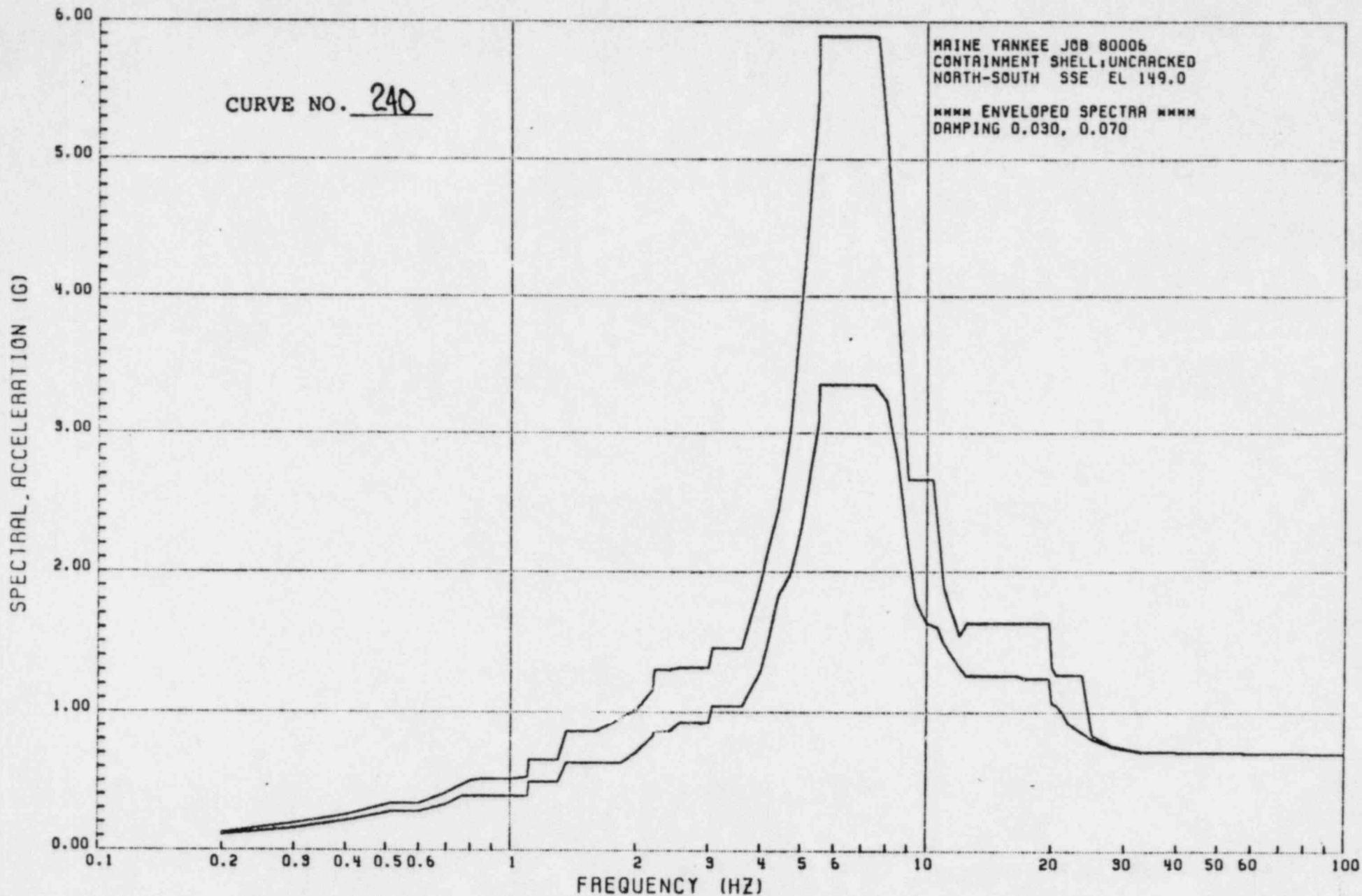
FOR INFORMATION ONLY

EES

CURVE NO. 240

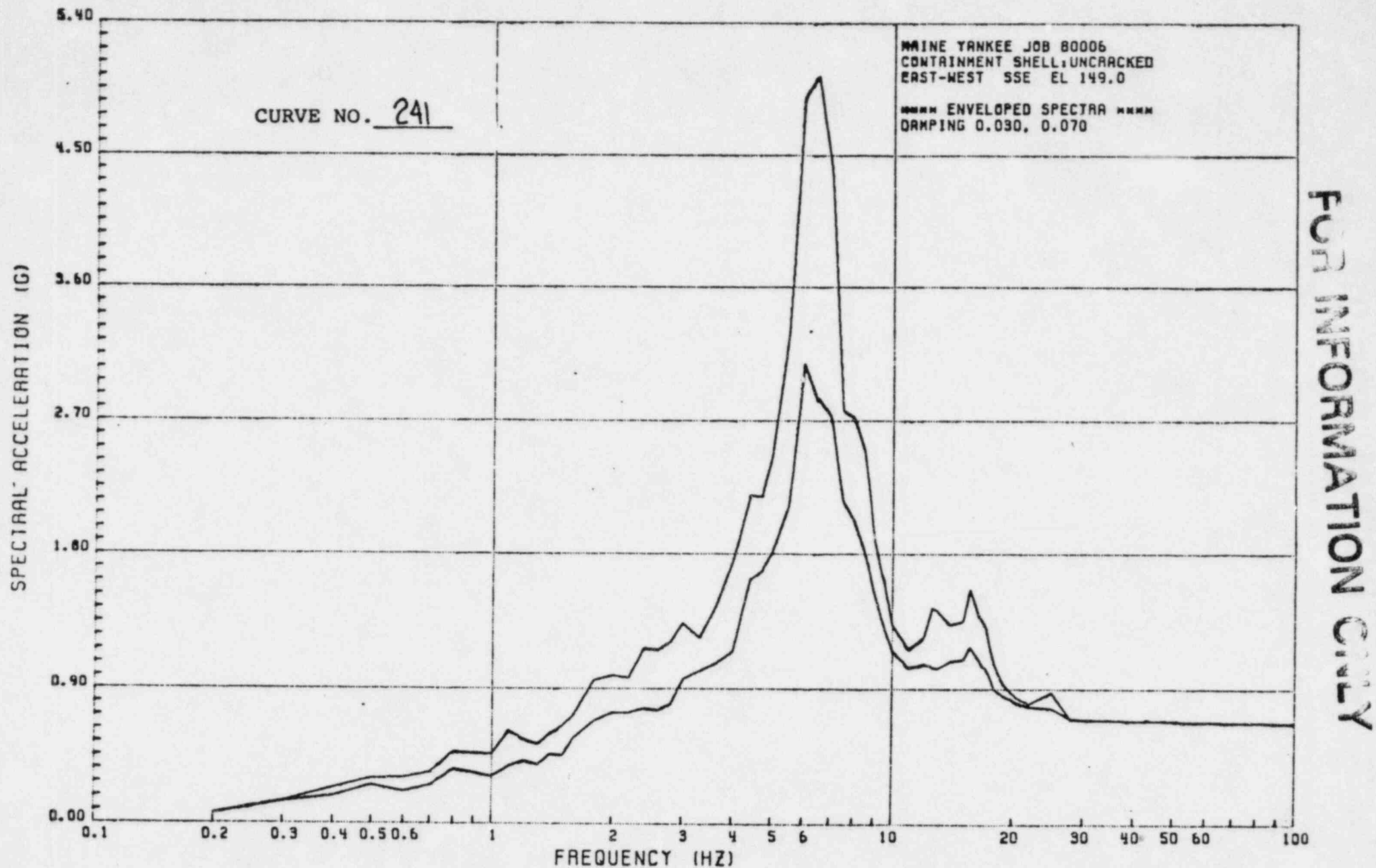
MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
NORTH-SOUTH SSE EL 149.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030, 0.070



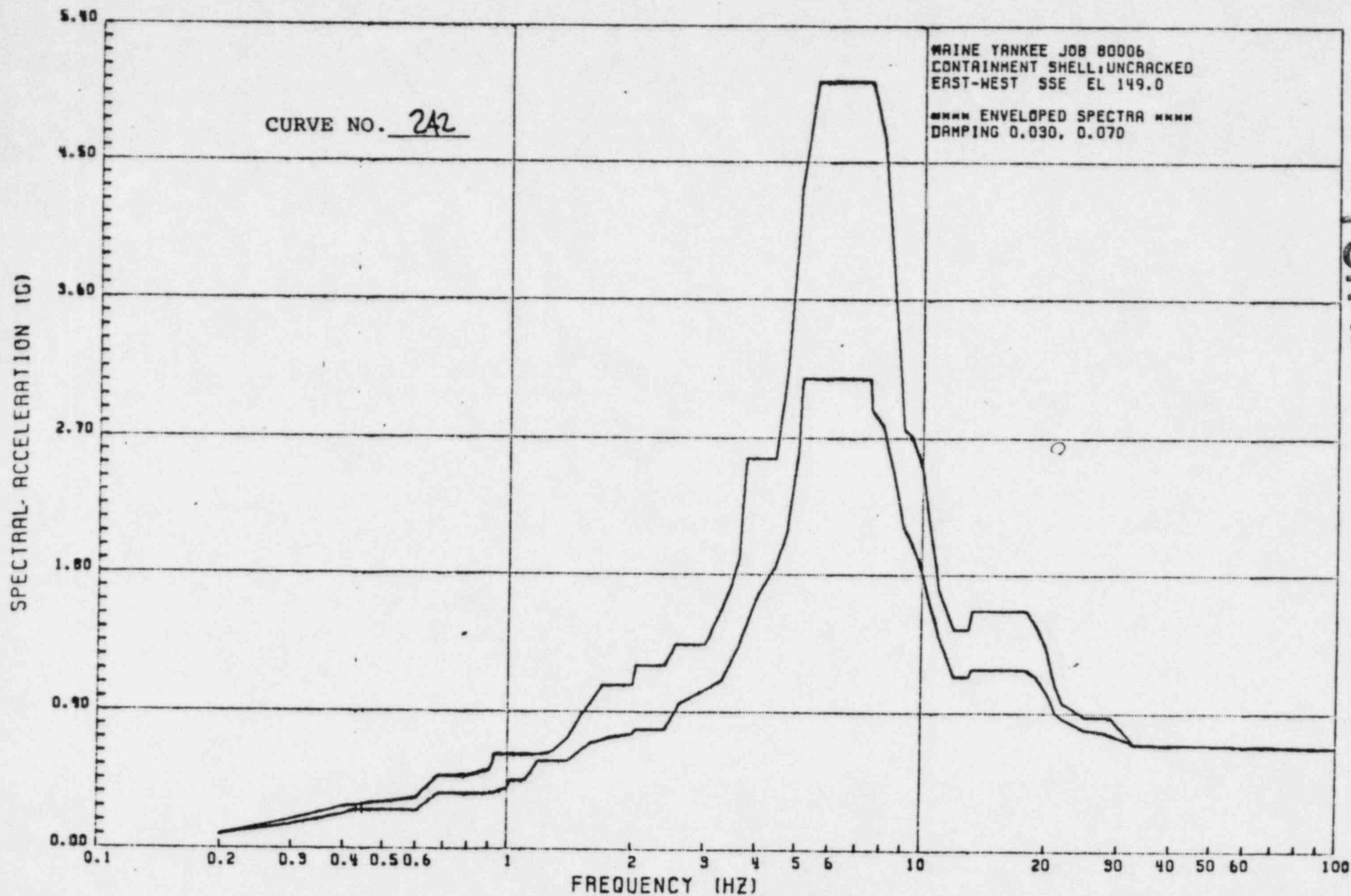
FOR INFORMATION ONLY

EES



EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

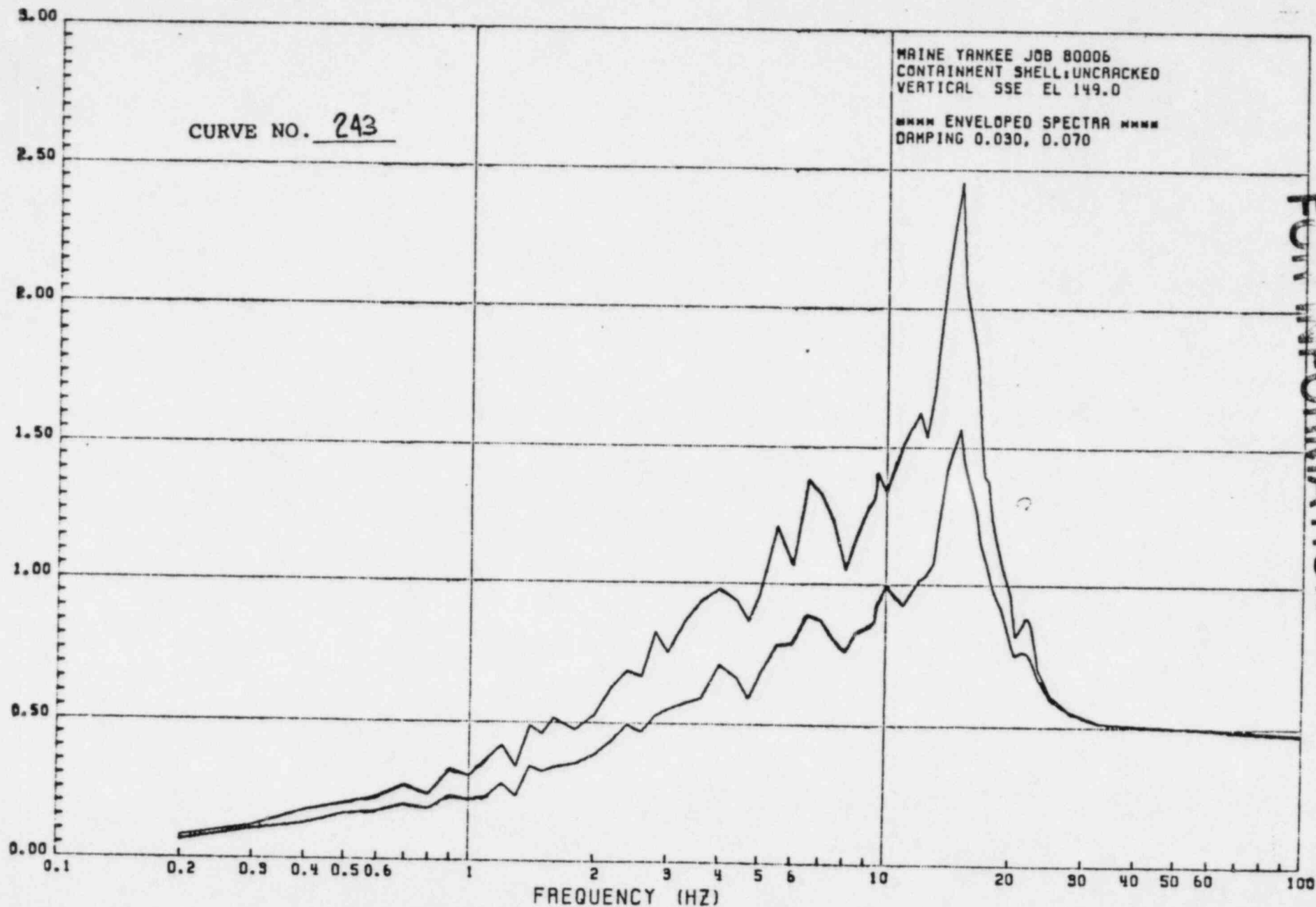
EES

CURVE NO. 243

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
VERTICAL SSE EL 149.0

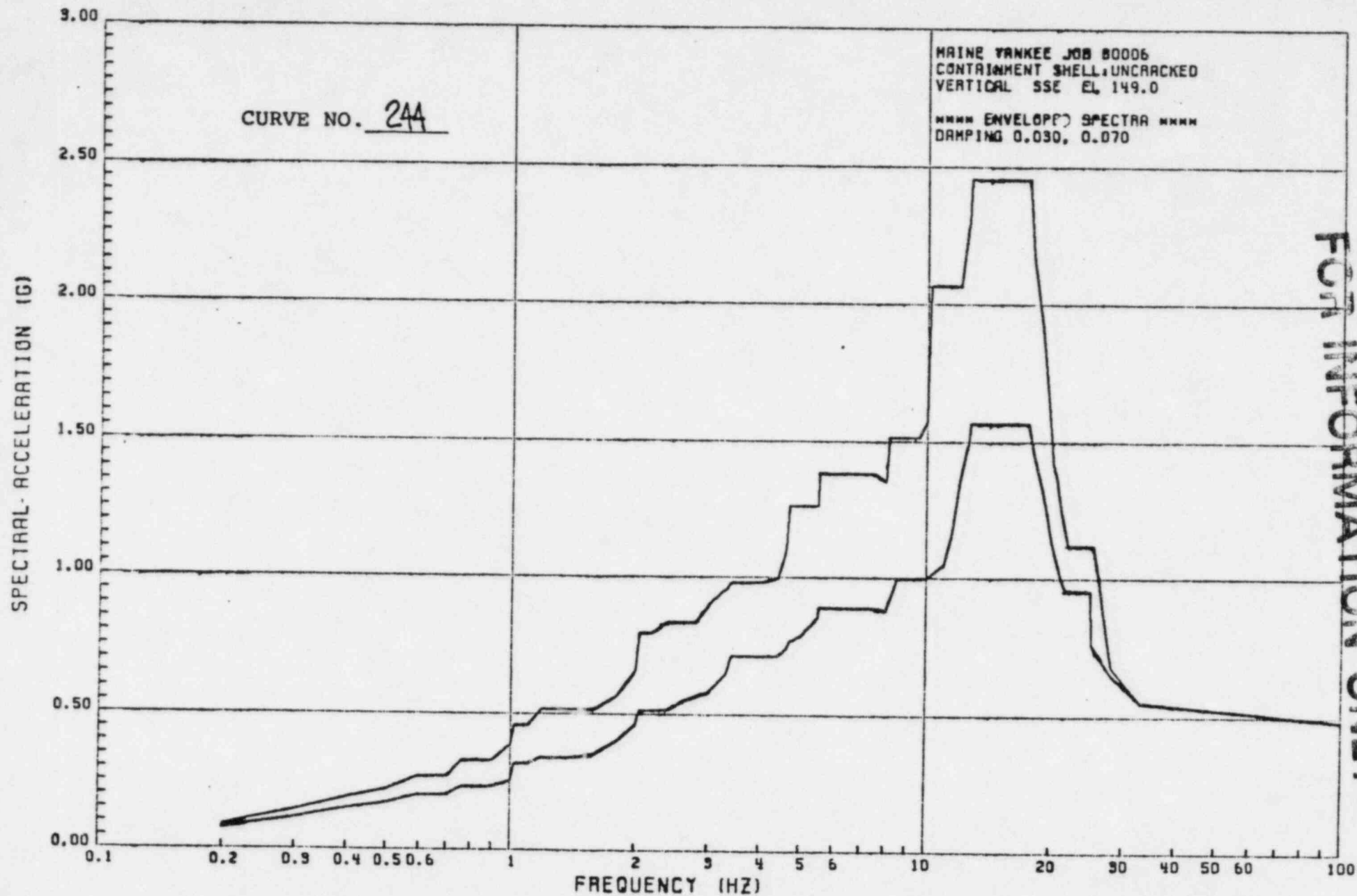
*** ENVELOPED SPECTRA ***
DAMPING 0.030, 0.070

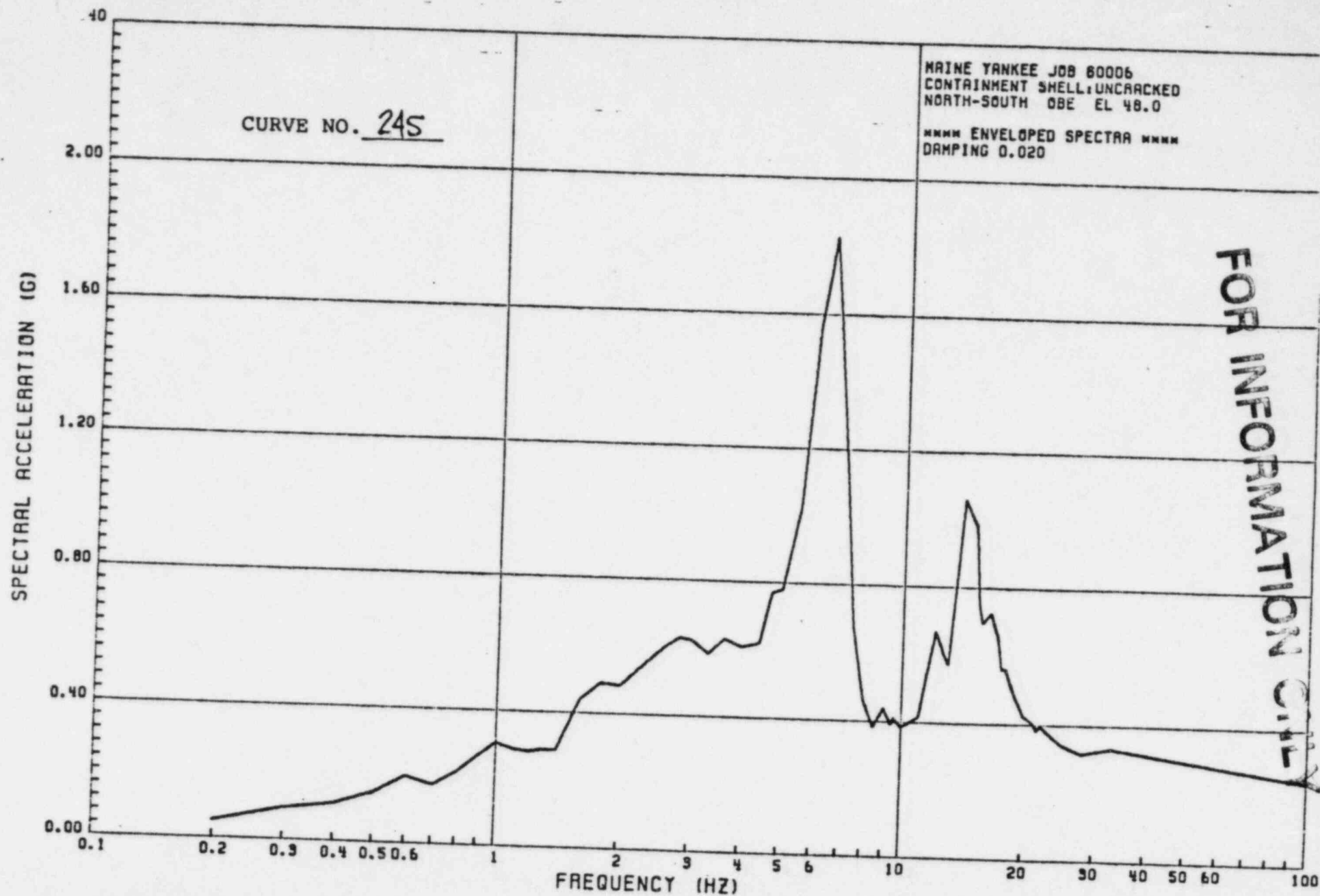
SPECTRAL ACCELERATION (G)



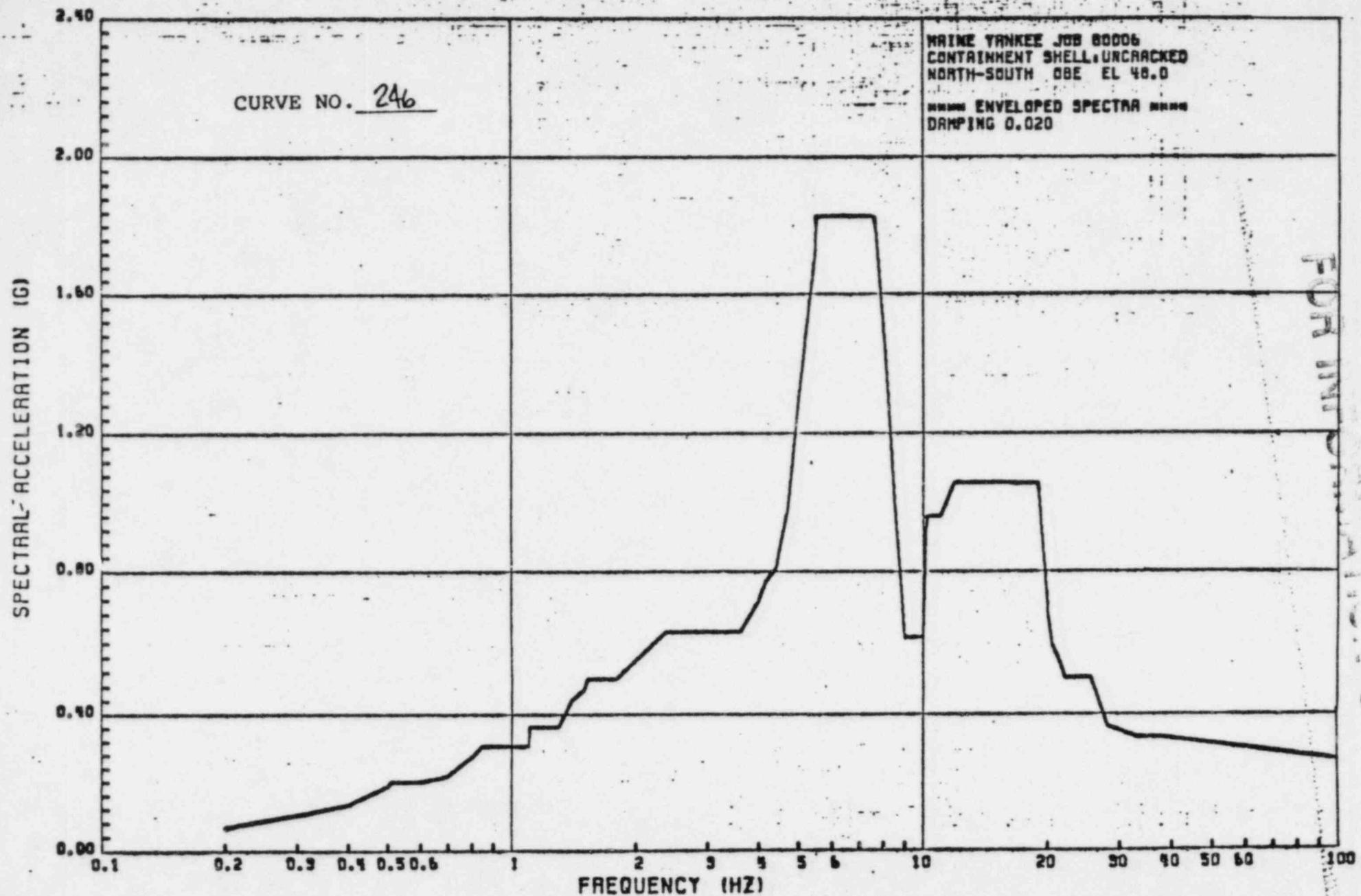
FOR INFORMATION ONLY

EES





ELS



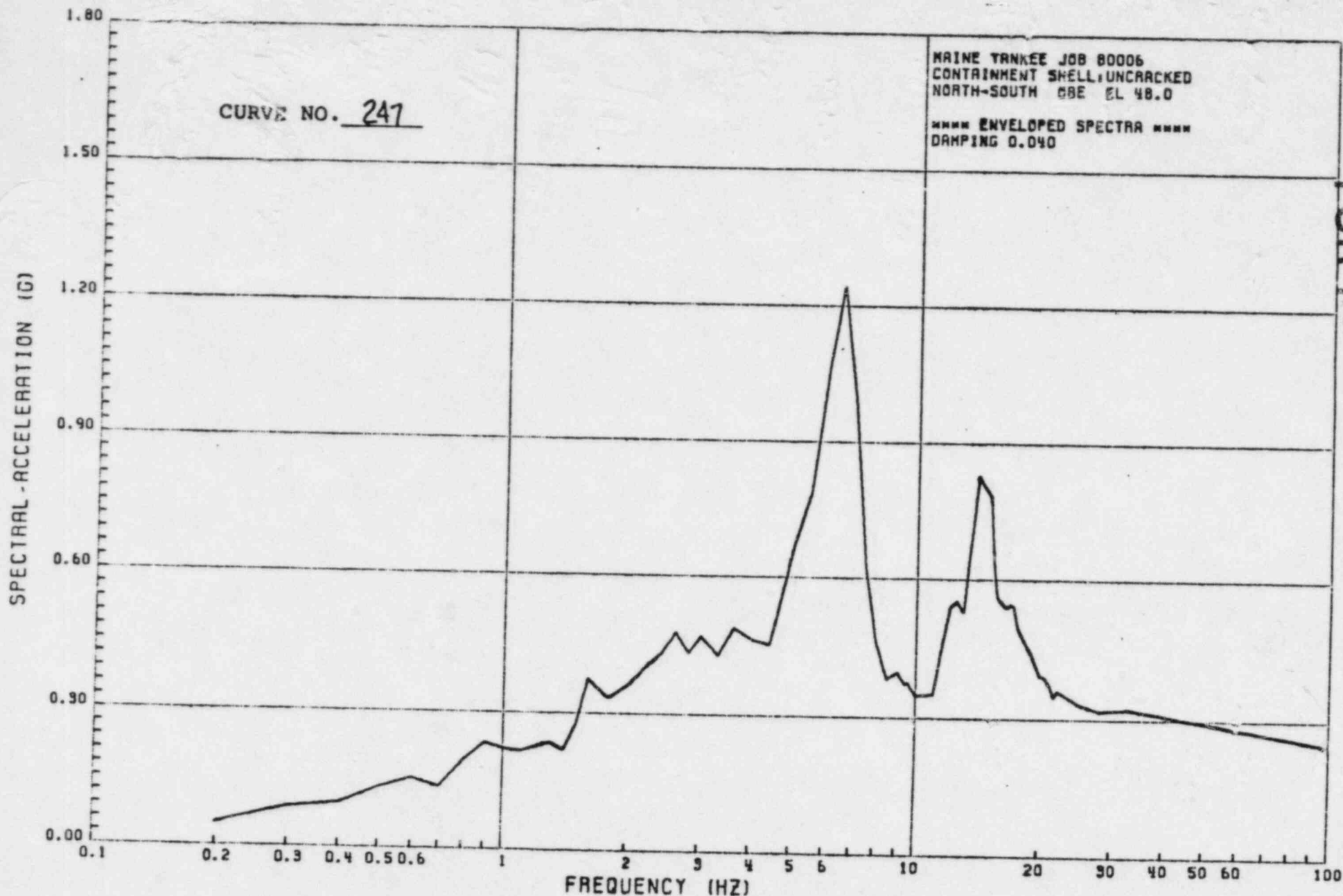
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 247

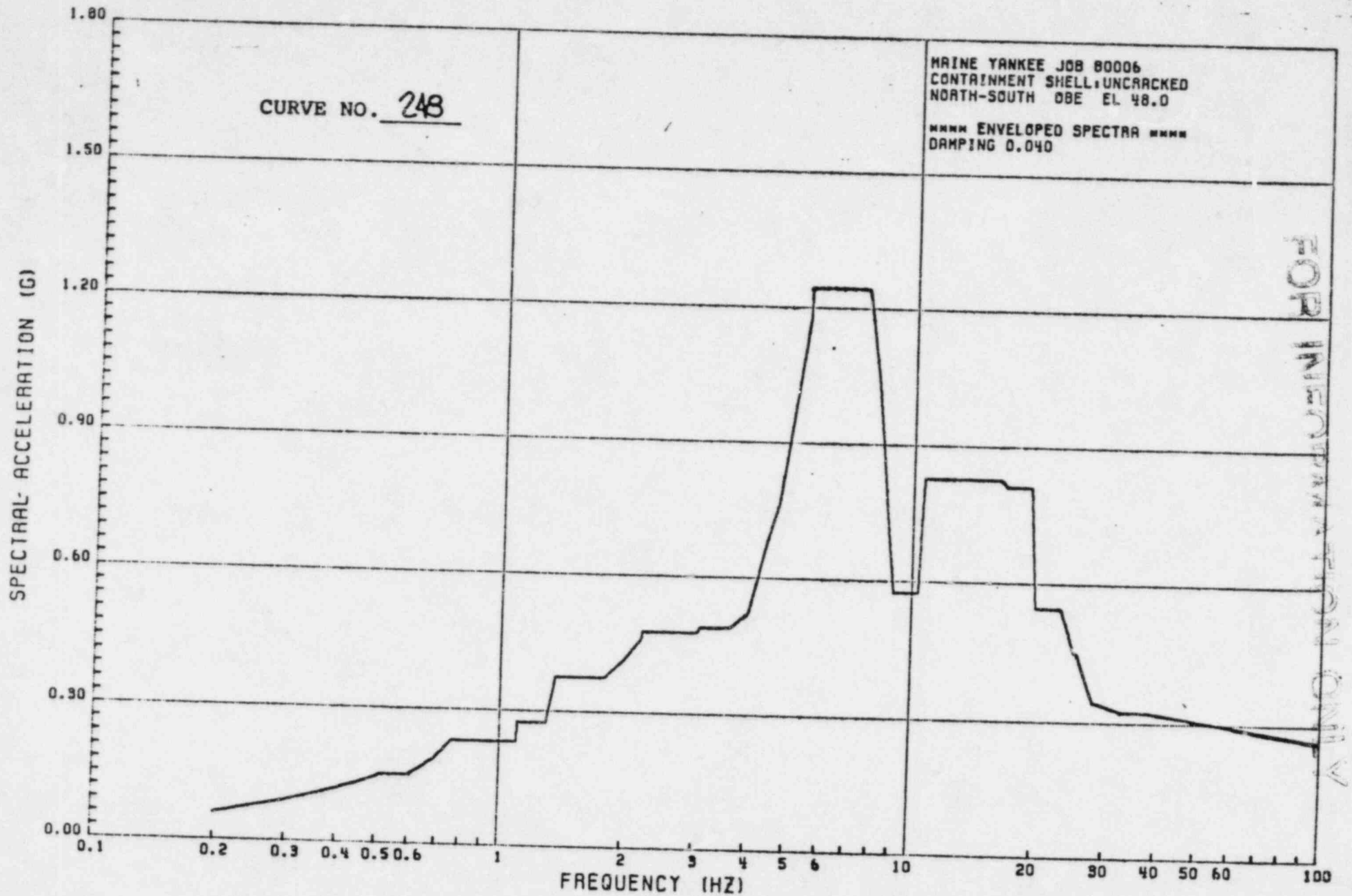
MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
NORTH-SOUTH GSE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.040



FOR INFORMATION ONLY

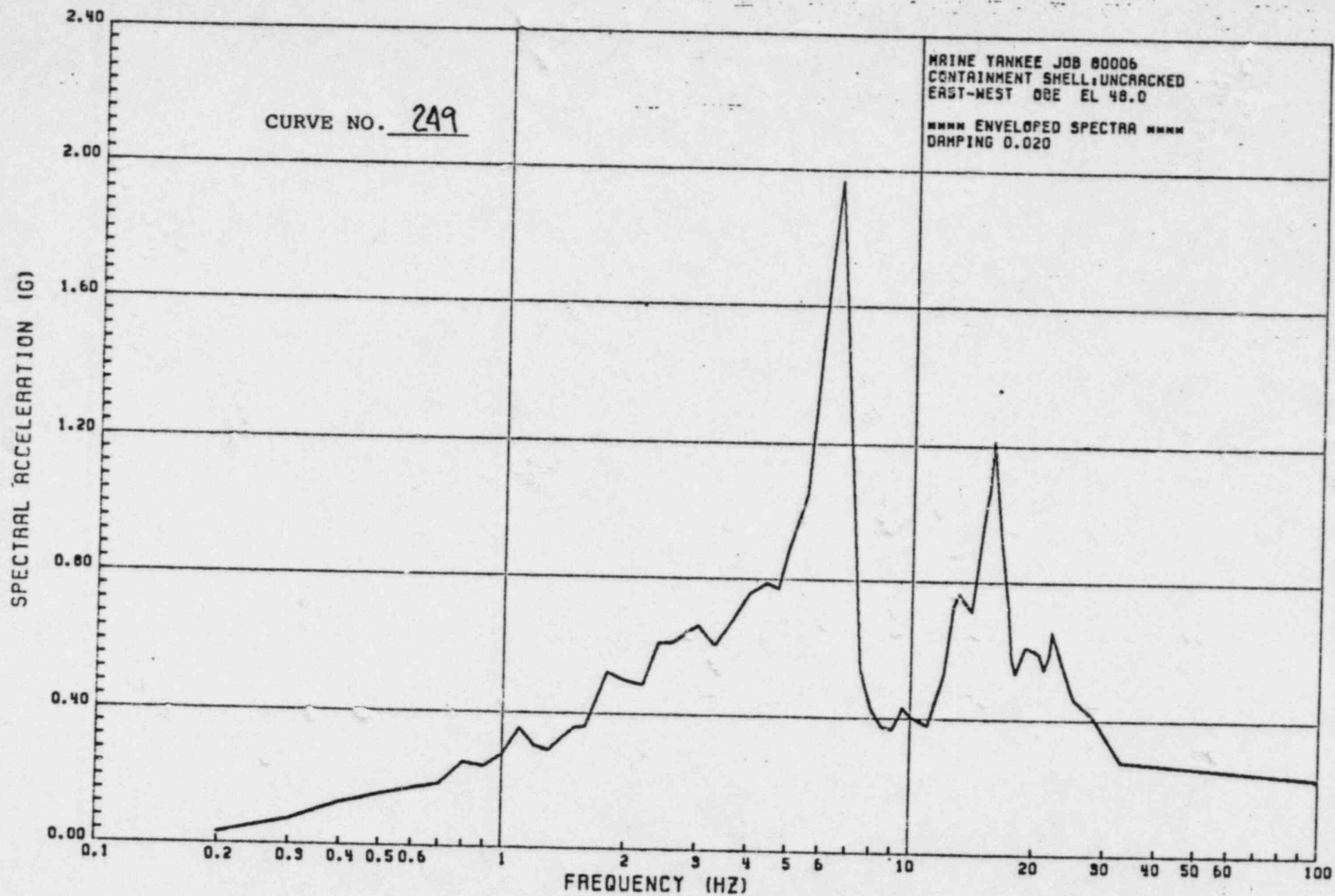
ECS



EARTHQUAKE ENGINEERING SYSTEMS

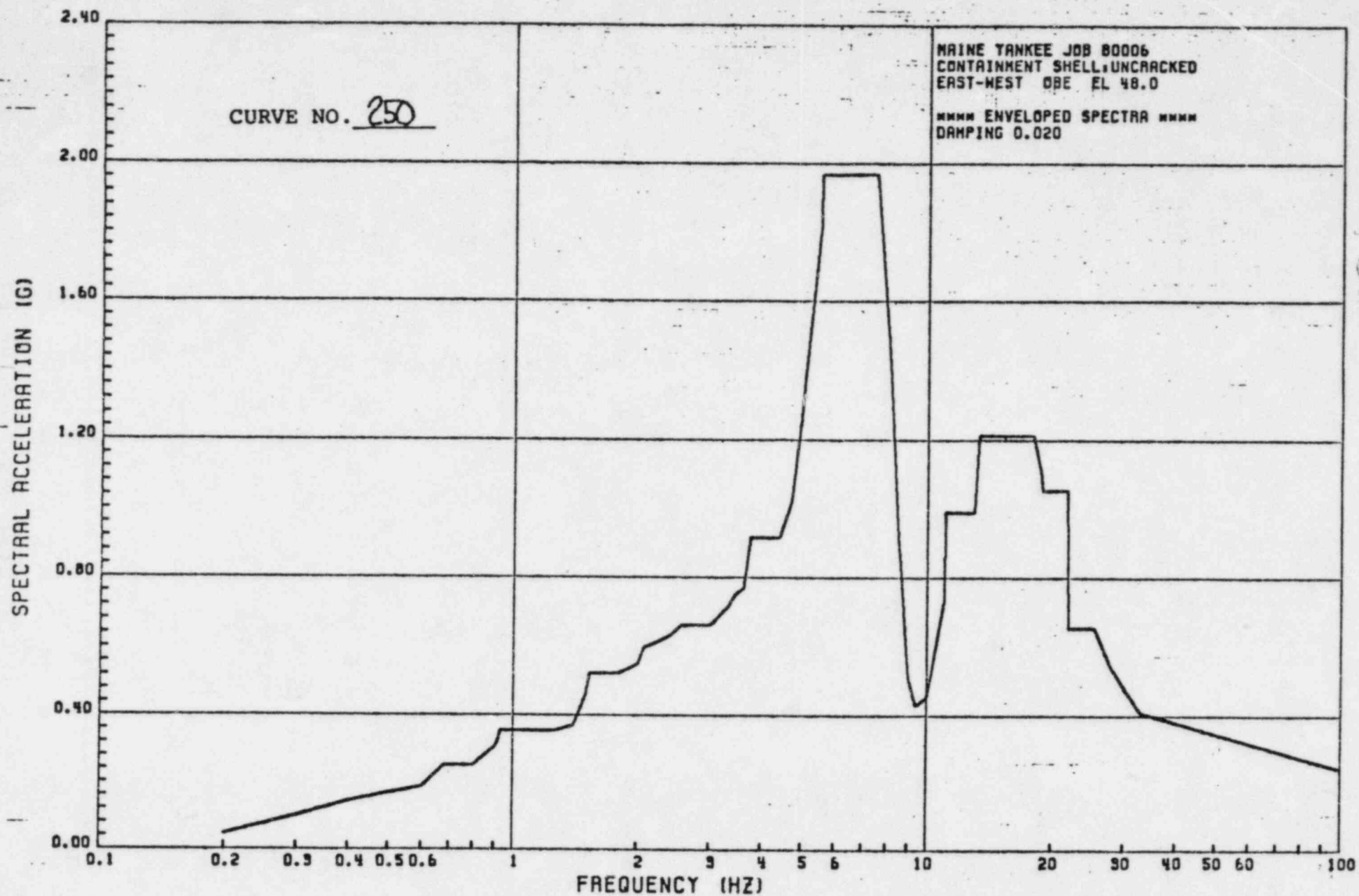
EES

NPF 1 203



FOR INFORMATION ONLY

EES NPF 1 L04



FOR INFORMATION ONLY

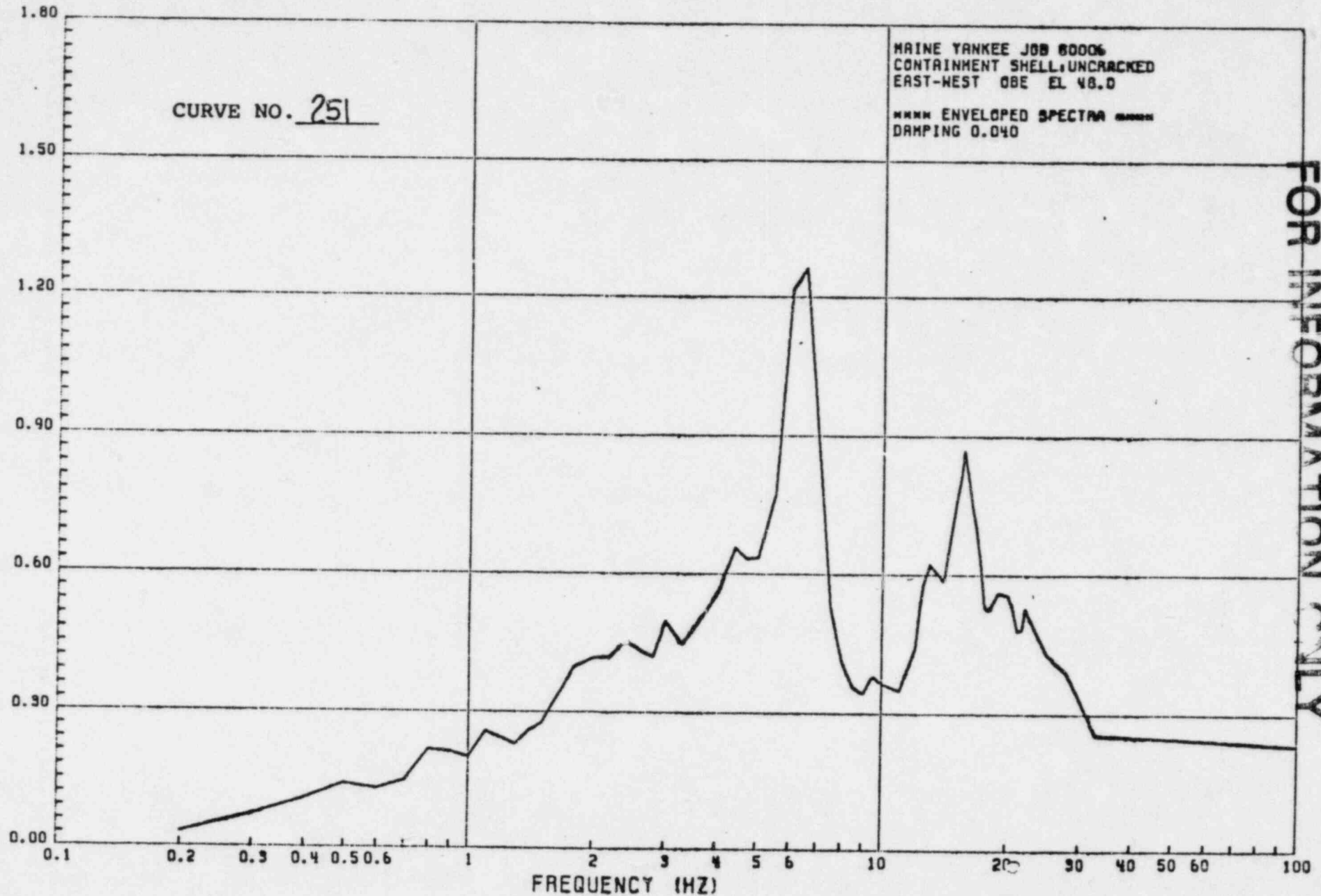
EES

CURVE NO. 251

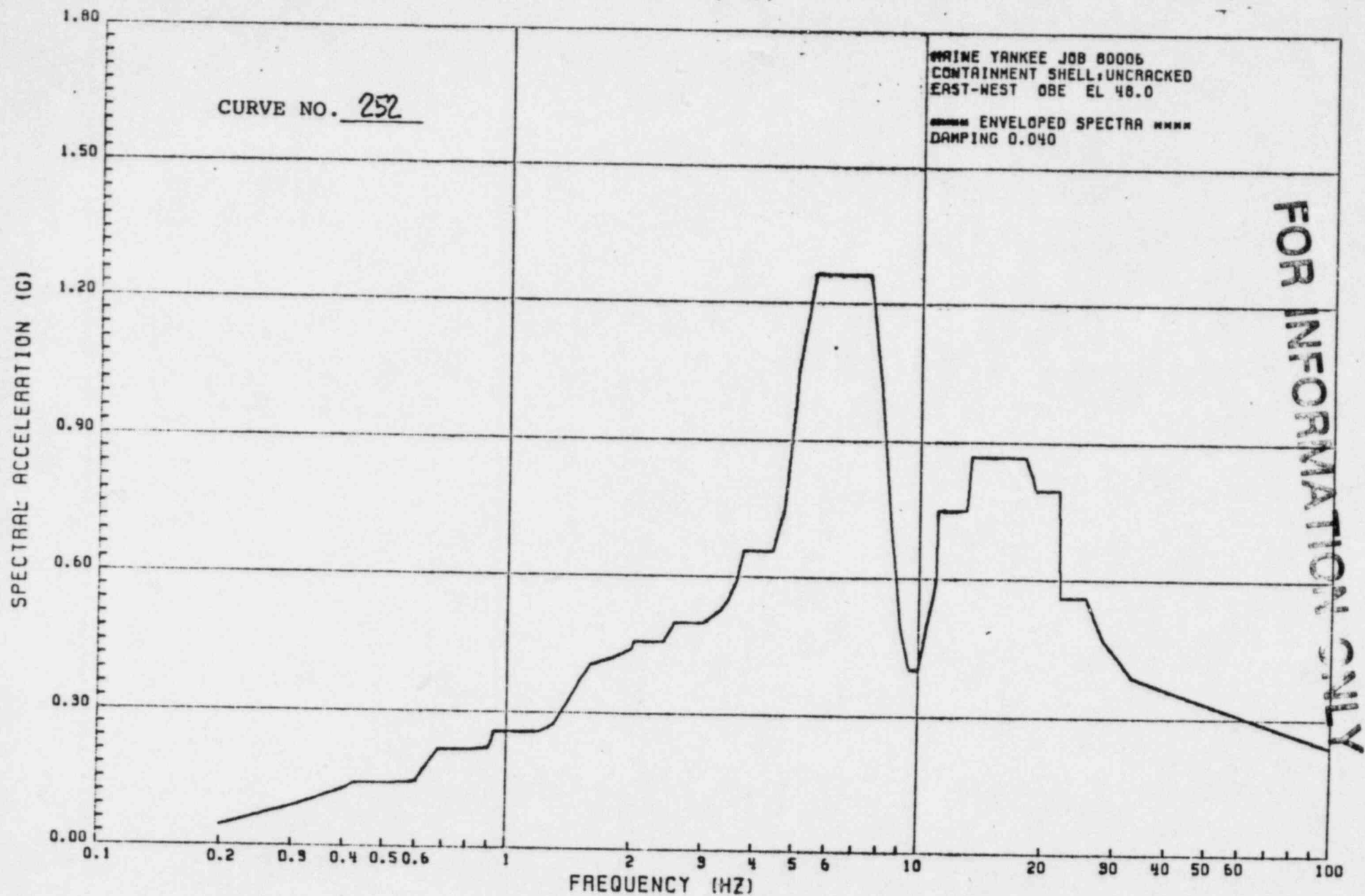
MAINE YANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
EAST-WEST OBE EL 48.0

*** ENVELOPED SPECTRA ***
DAMPING 0.040

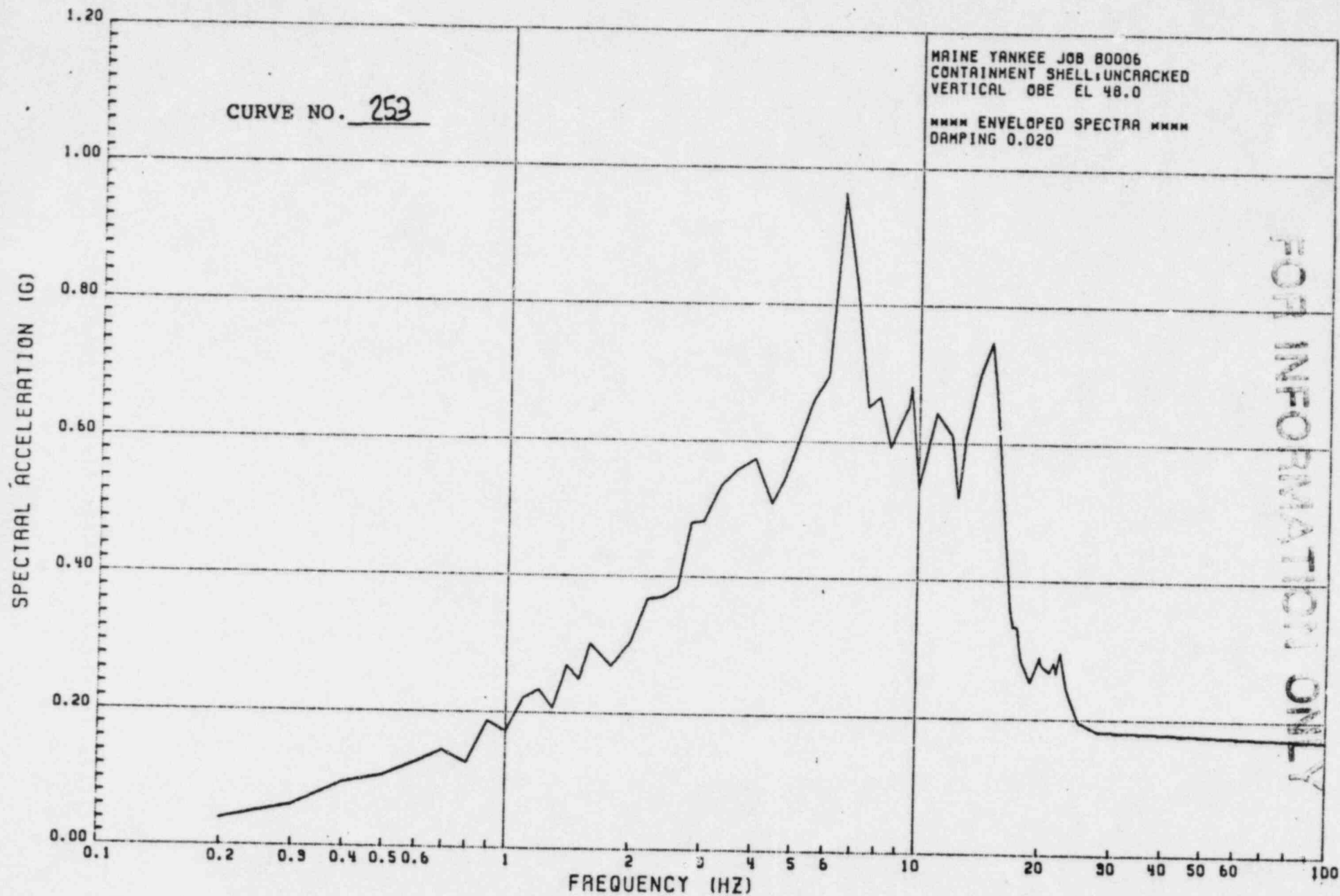
SPECTRAL ACCELERATION (G)



EES

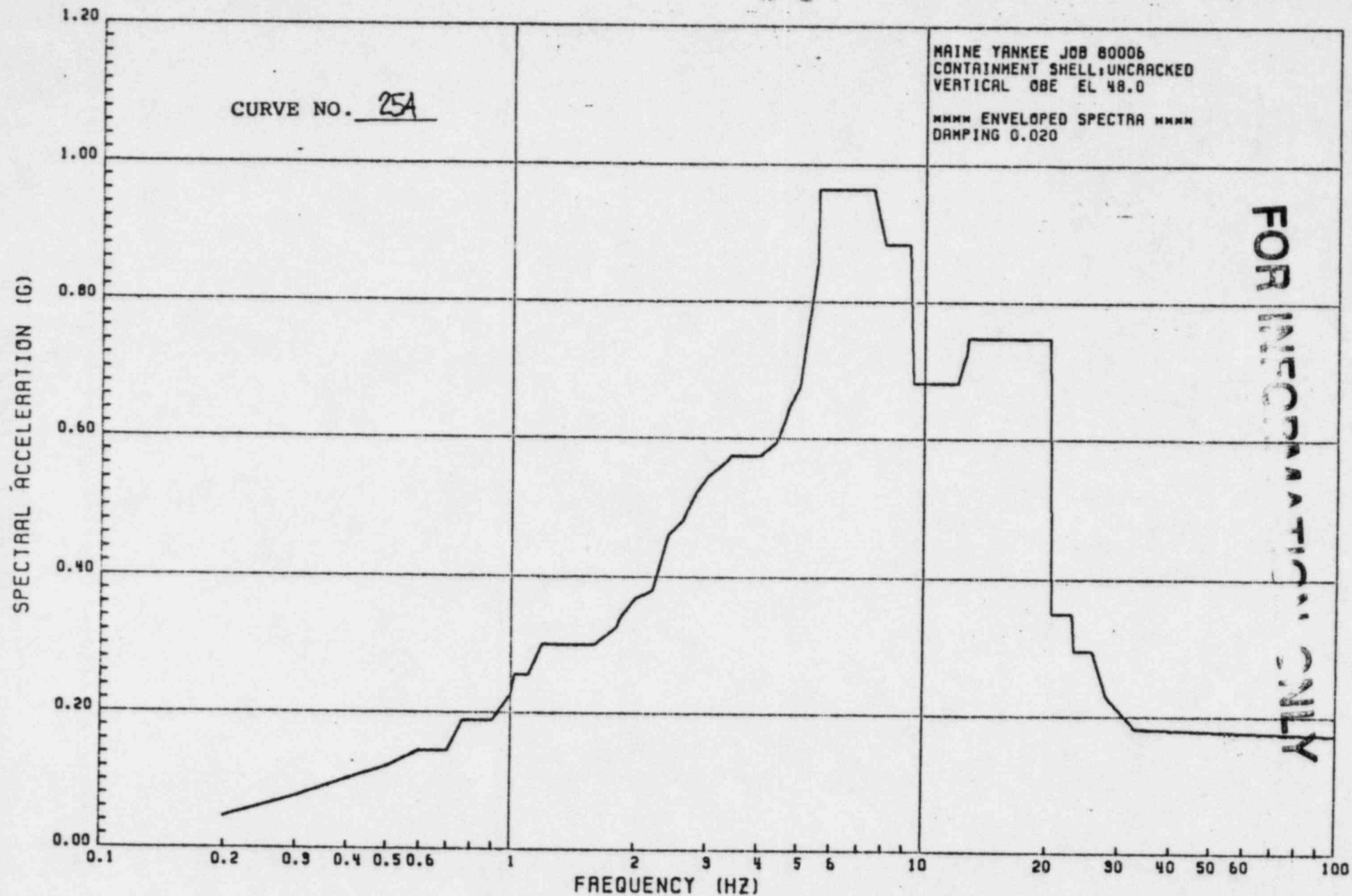


EES NPF 1403

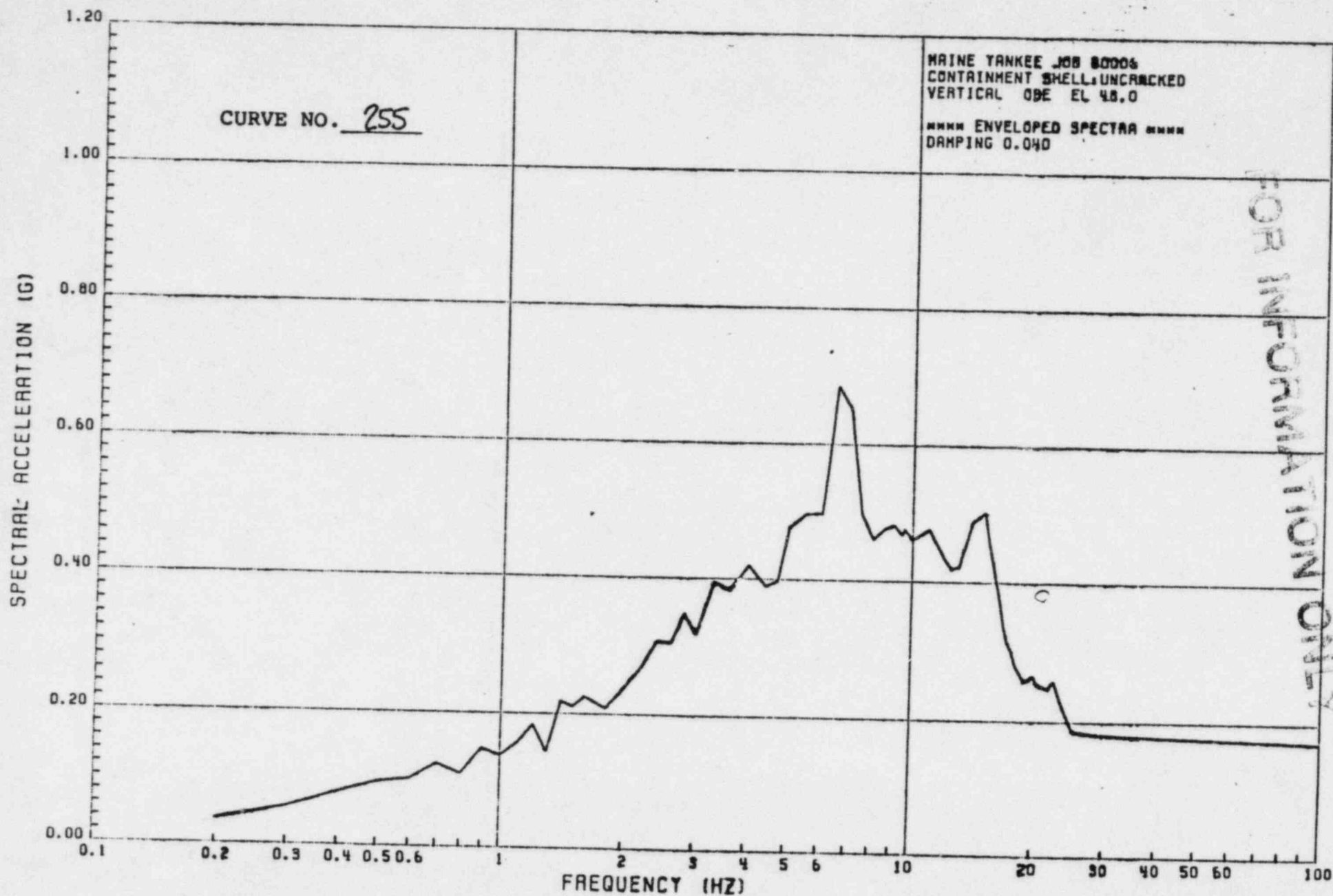


EARTHQUAKE ENGINEERING SYSTEMS

EES NPF1104



EES



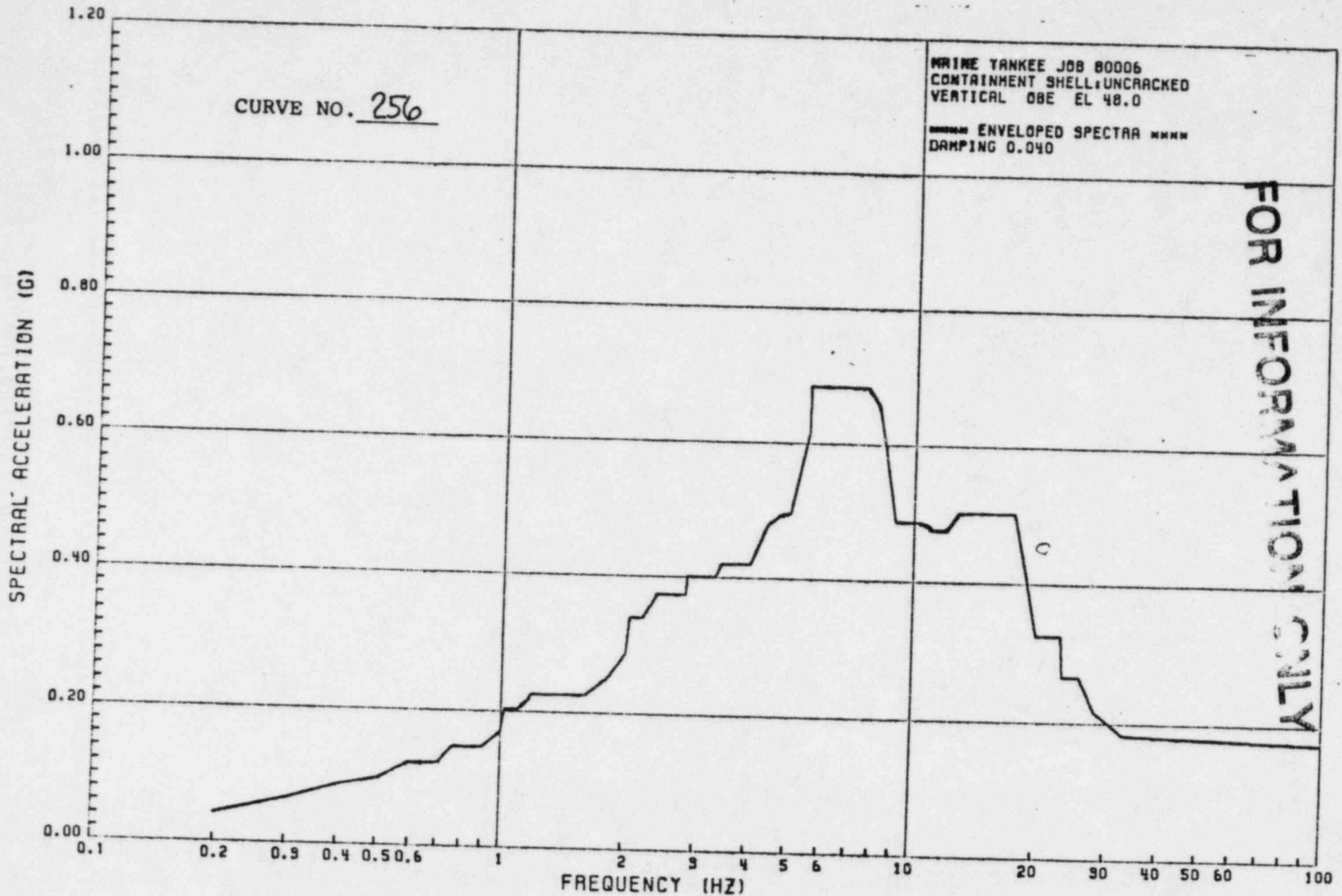
EES

CURVE NO. 256

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
VERTICAL OBE EL 48.0

ENVELOPED SPECTRA
DAMPING 0.040

FOR INFORMATION ONLY



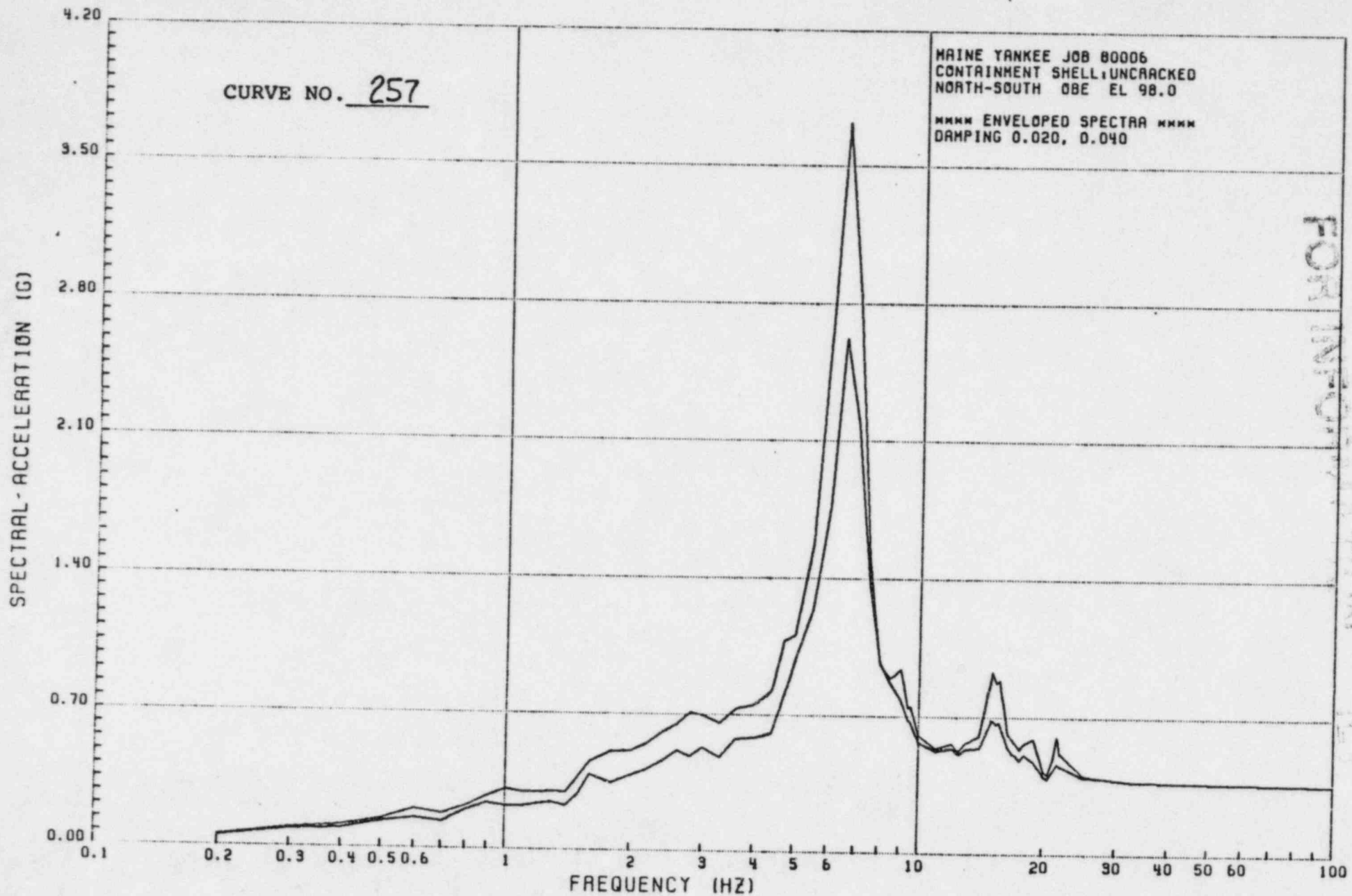
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 257

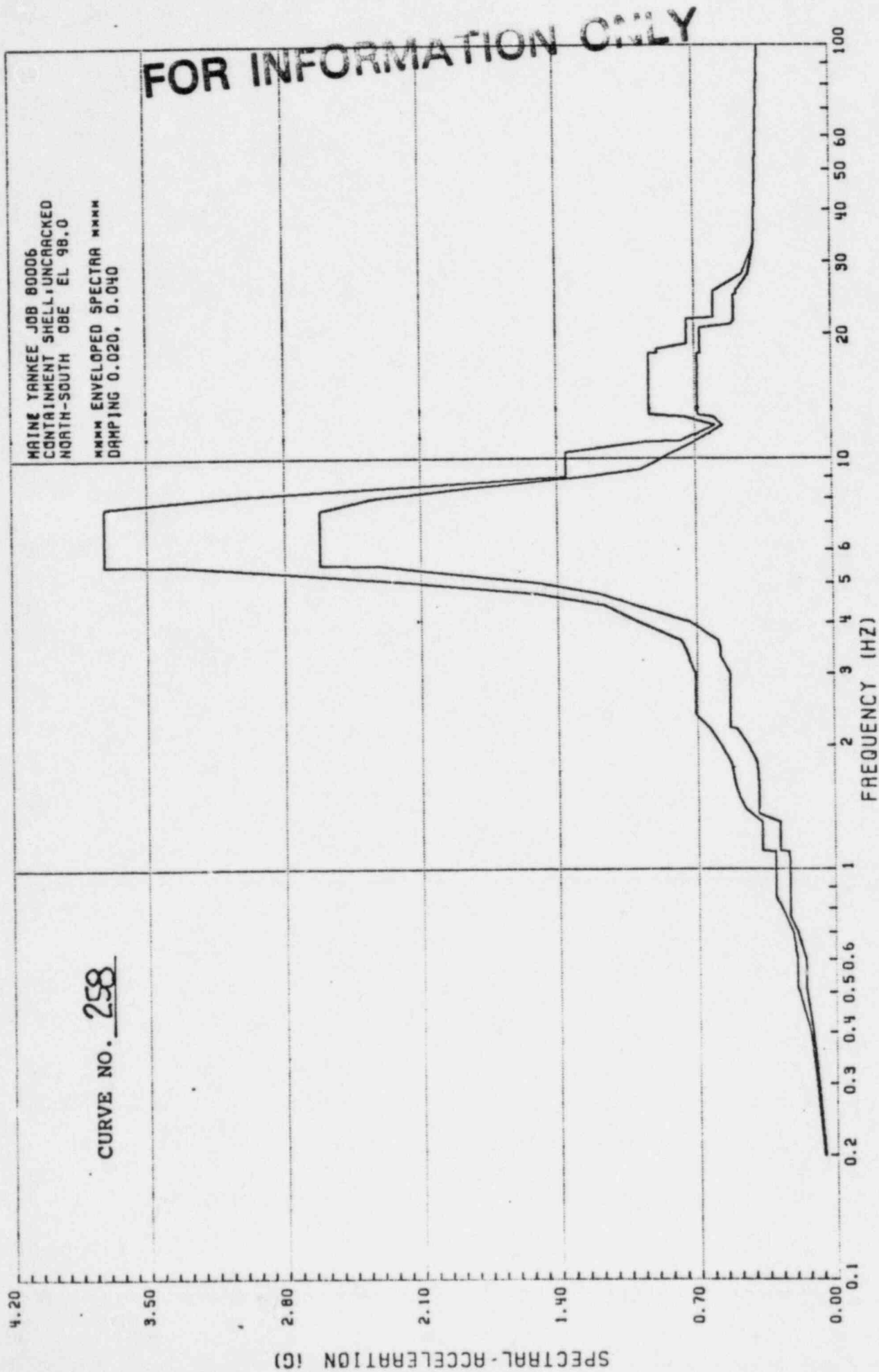
MAINE YANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
NORTH-SOUTH OBE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040



EES

CURVE NO. 258

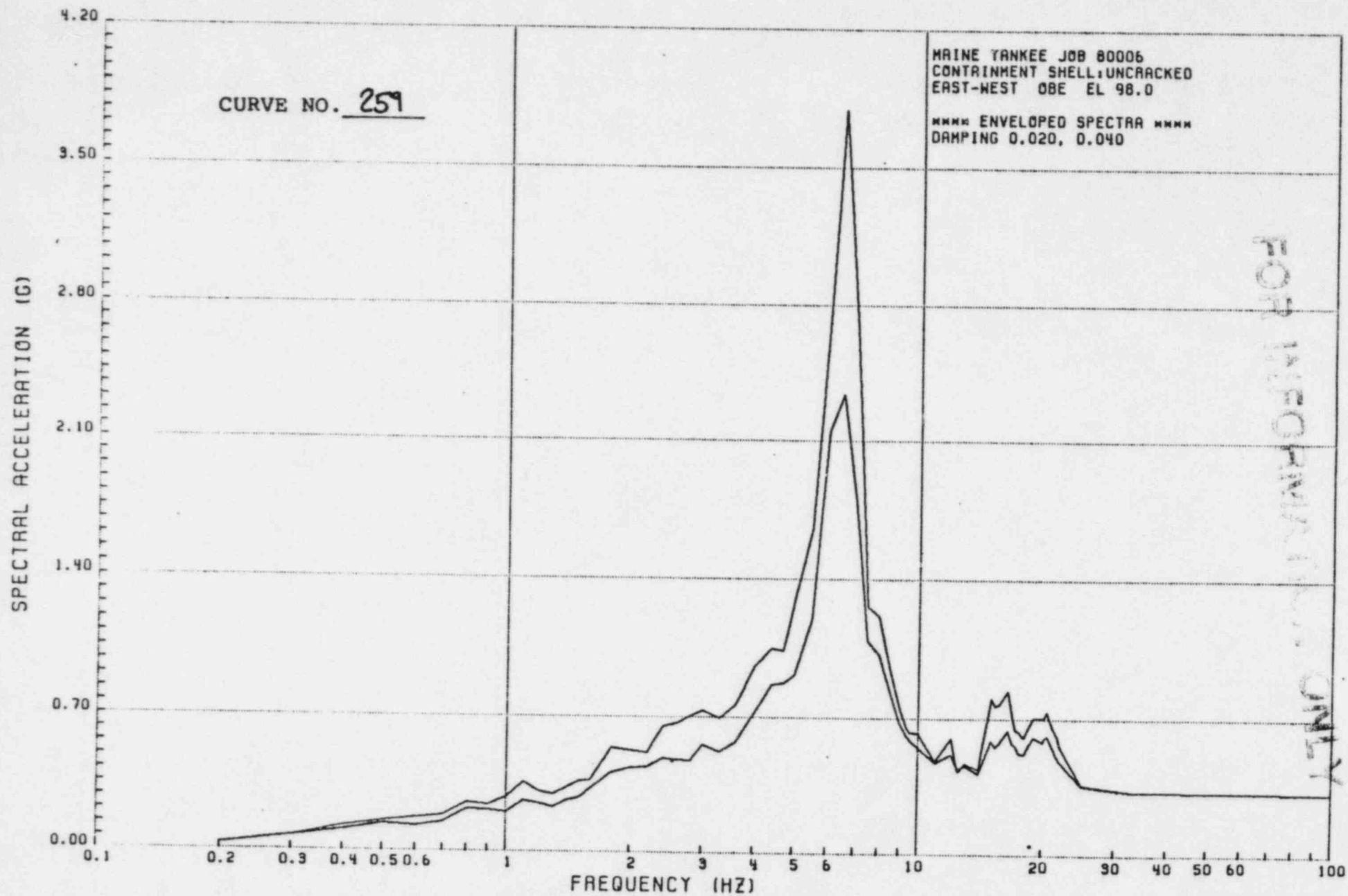


EES

CURVE NO. 251

MAINE YANKEE JOB 80006
CONTAINMENT SHELL: UNCRACKED
EAST-WEST OBE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040

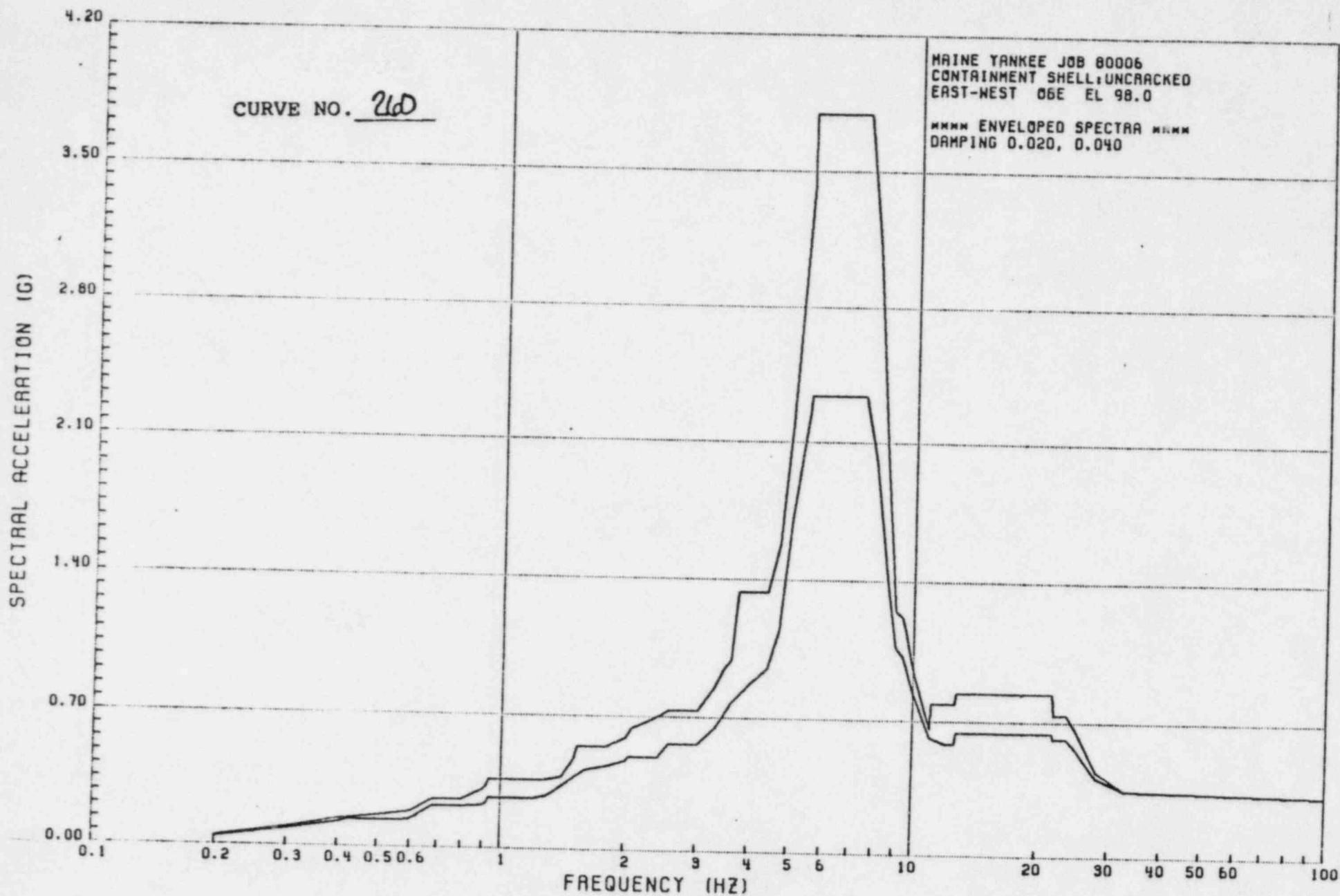


EES

CURVE NO. 260

MAINE YANKEE JOB 80006
CONTAINMENT SHELL: UNCRACKED
EAST-WEST 06E EL 98.0

*** ENVELOPED SPECTRA ***
DAMPING 0.020, 0.040



FOR INFORMATION ONLY

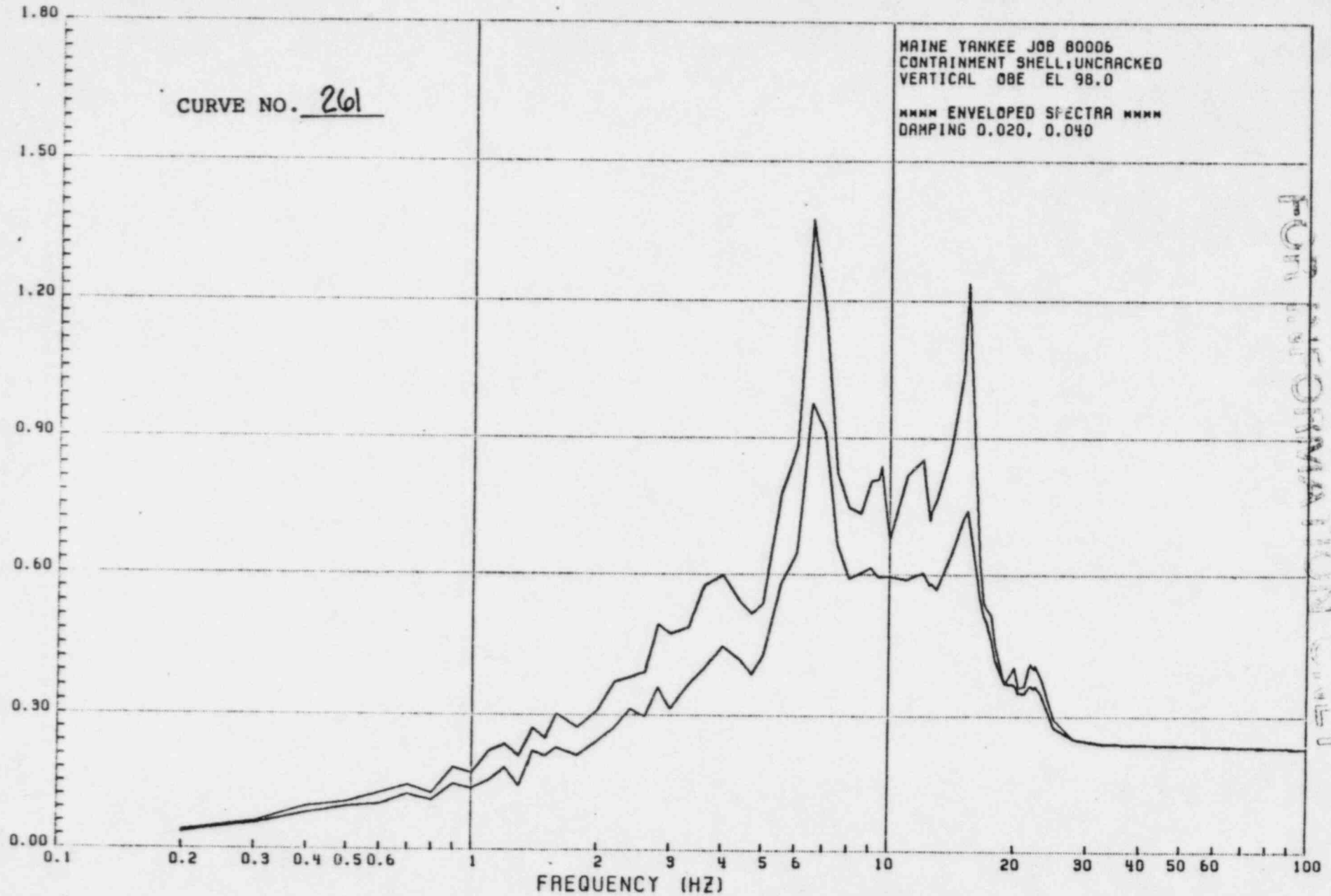
EES

CURVE NO. 261

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
VERTICAL OBE EL 98.0

ENVELOPED SPECTRA
DAMPING 0.020, 0.040

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

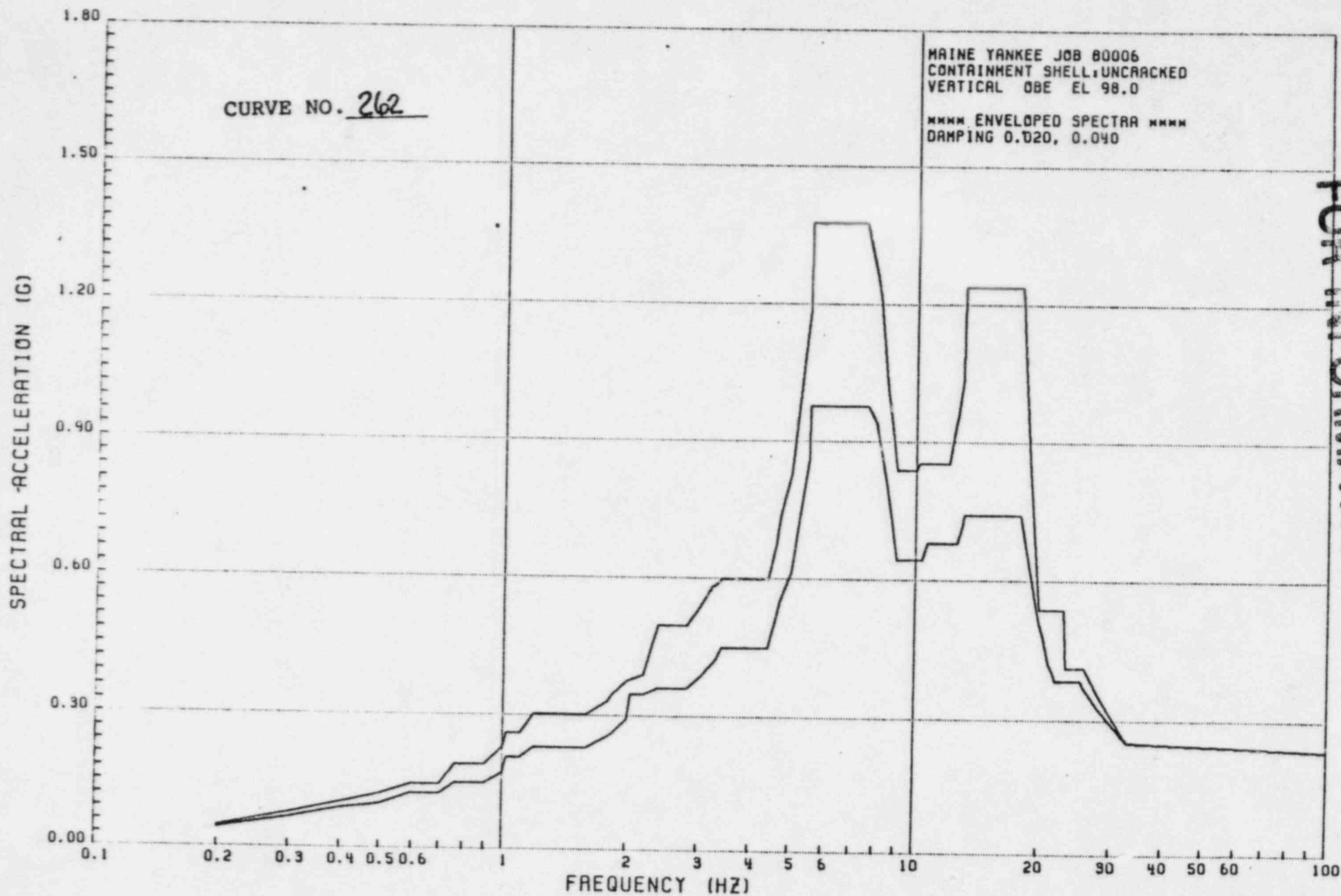
FOR INFORMATION ONLY

EES

CURVE NO. 262

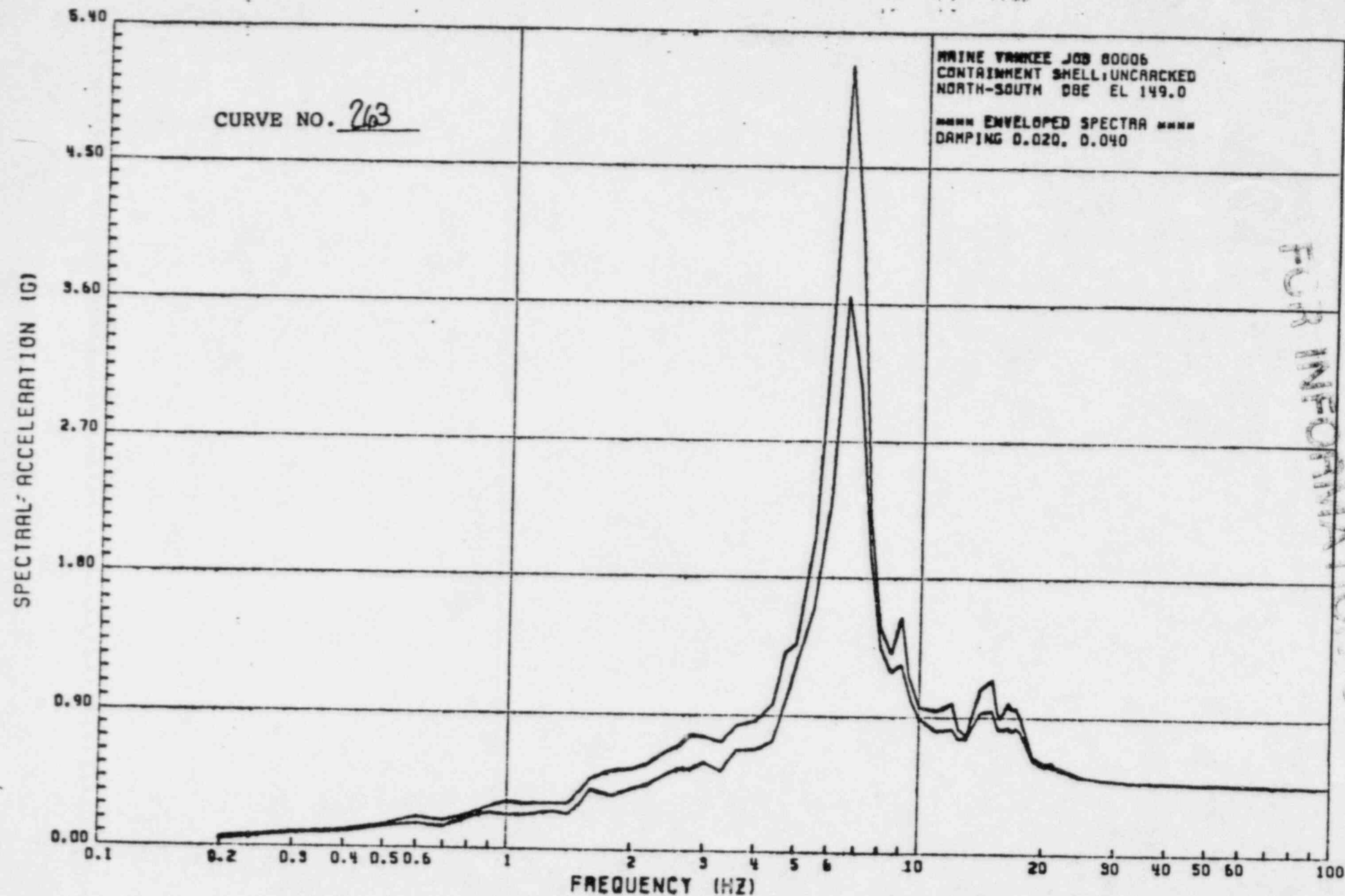
MAINE YANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
VERTICAL DBE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040



FOR INFORMATION ONLY

EES



EARTHQUAKE ENGINEERING SYSTEMS

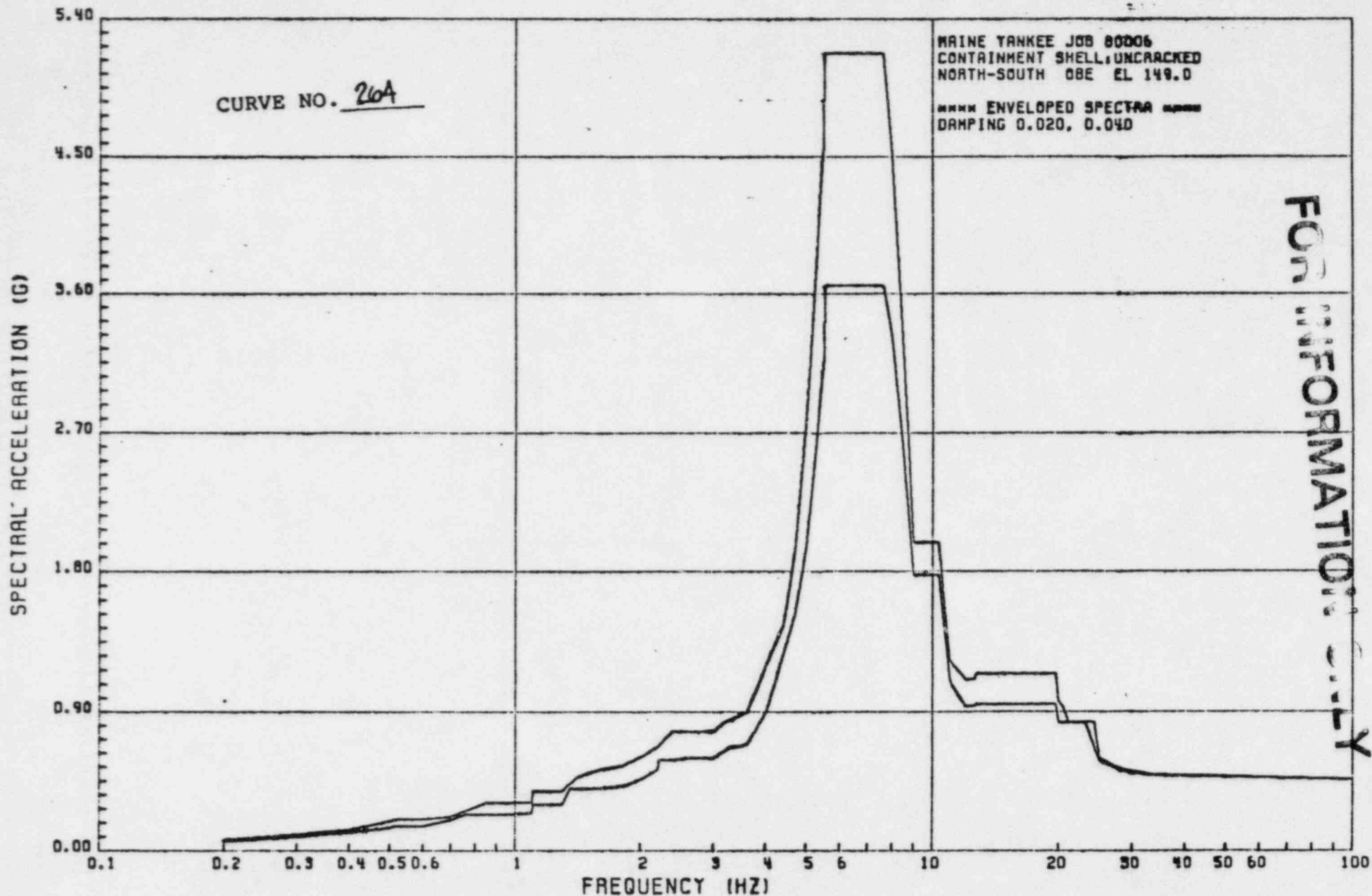
EES

CURVE NO. 26A

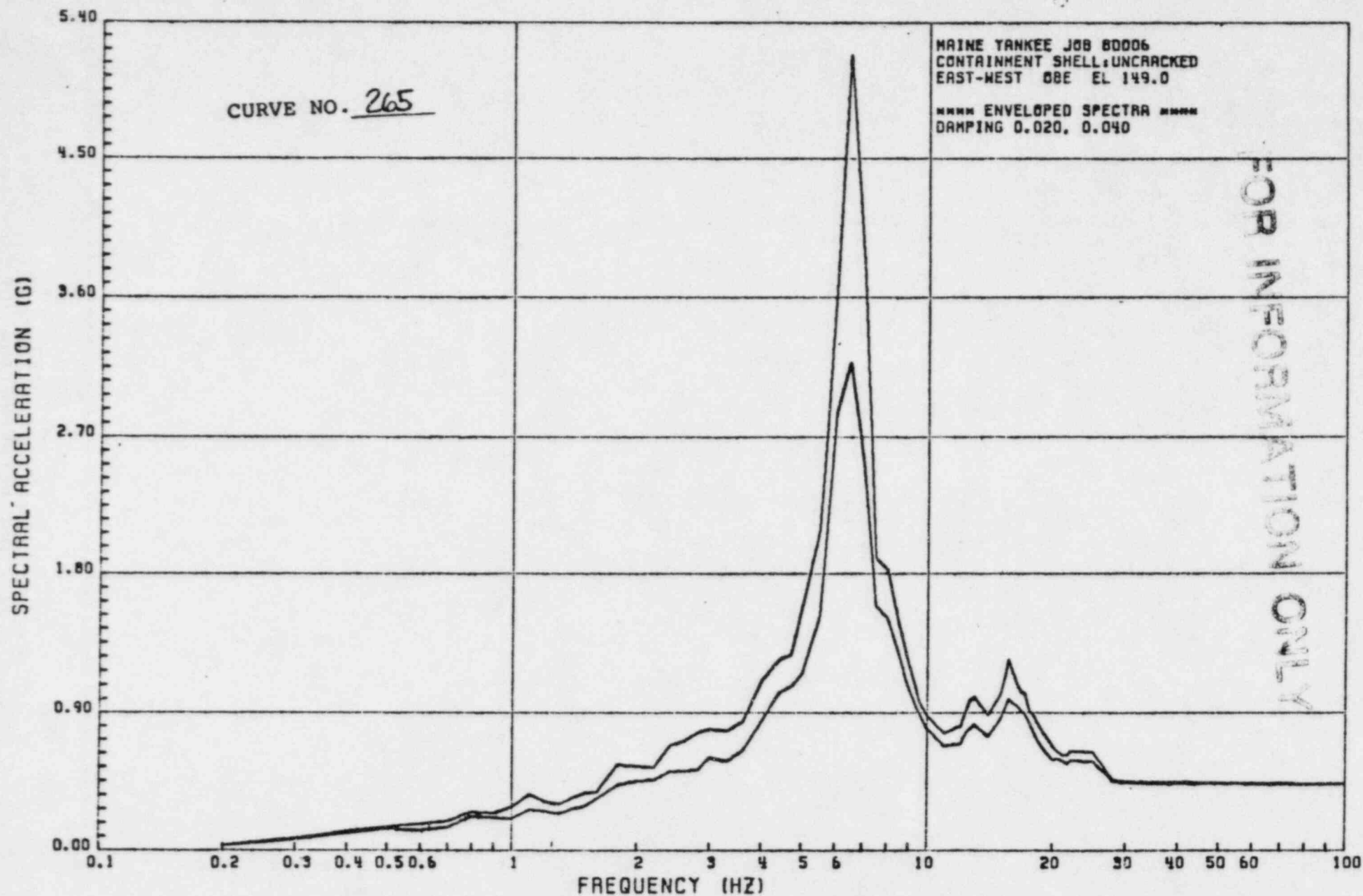
MAINE YANKEE JOB 80006
CONTAINMENT SHELL, UNCRACKED
NORTH-SOUTH DBE EL 149.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040

FOR INFORMATION ONLY

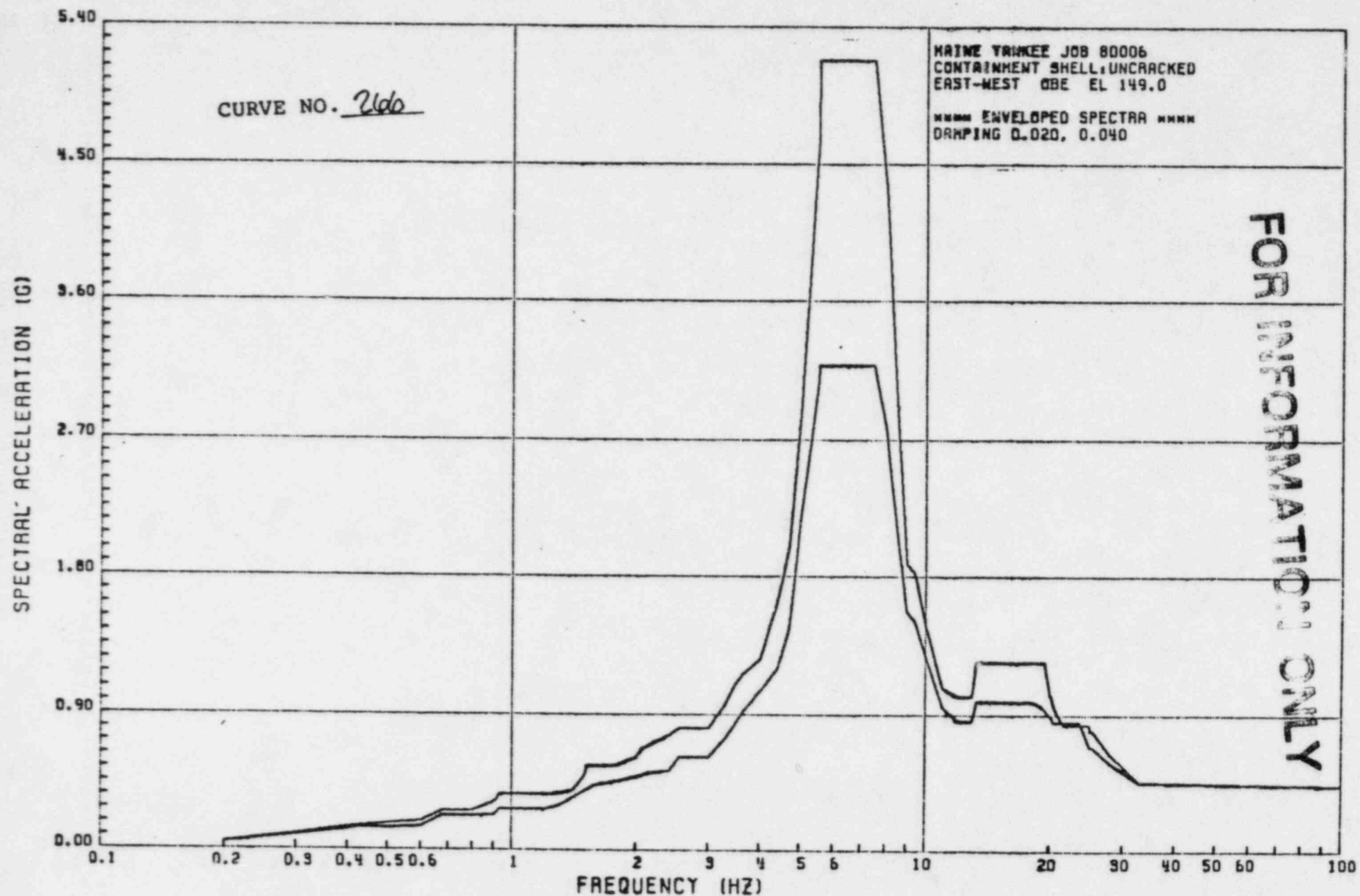


EES



EARTHQUAKE ENGINEERING SYSTEMS

EES



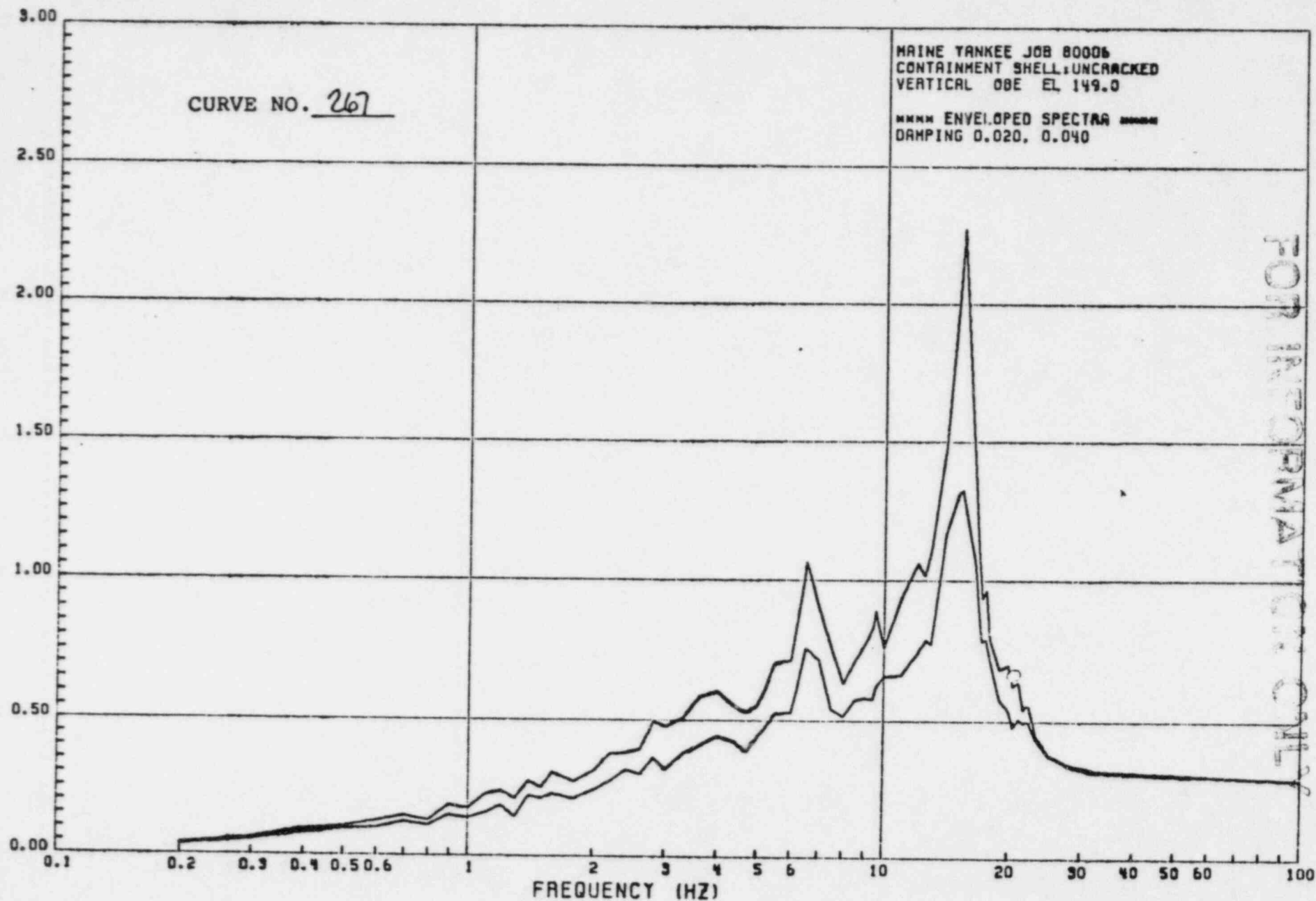
EES

CURVE NO. 267

MAINE YANKEE JOB 80006
CONTAINMENT SHELL UNCRACKED
VERTICAL OBE EL 149.0

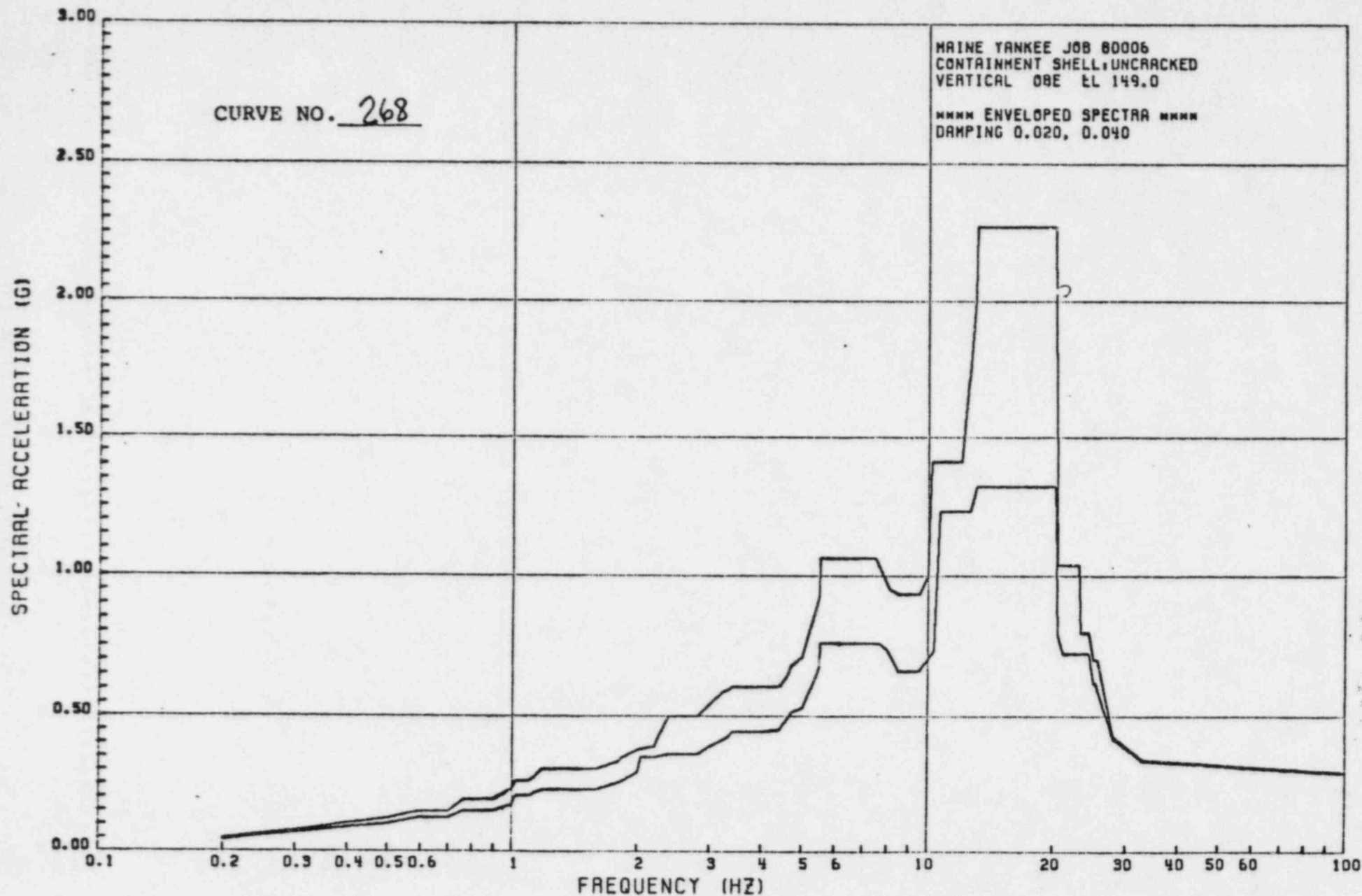
ENVELOPED SPECTRA
DAMPING 0.020, 0.040

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EES



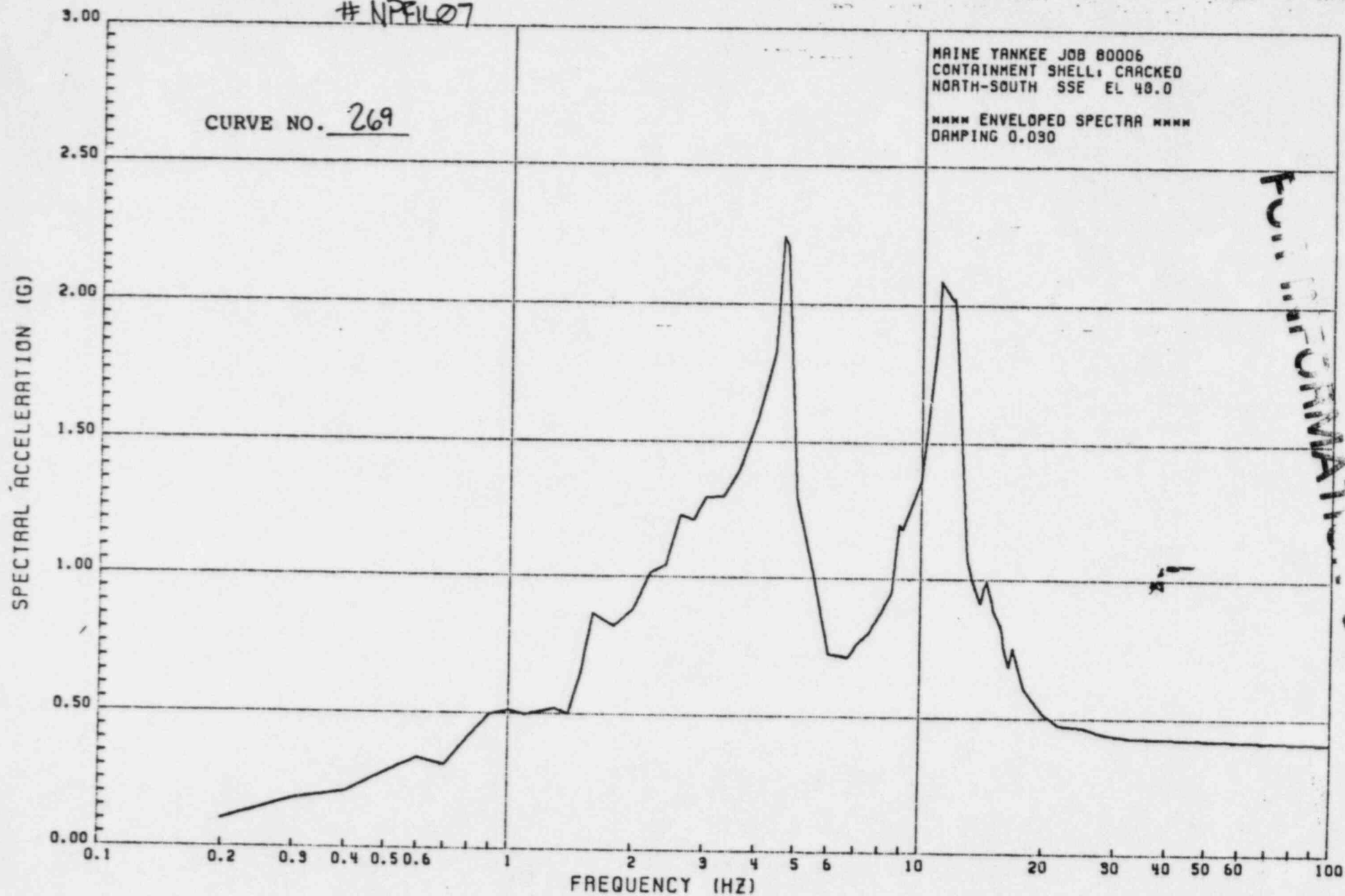
EES

NPEIL07

CURVE NO. 269

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH SSE EL 40.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030



FOR INFORMATION

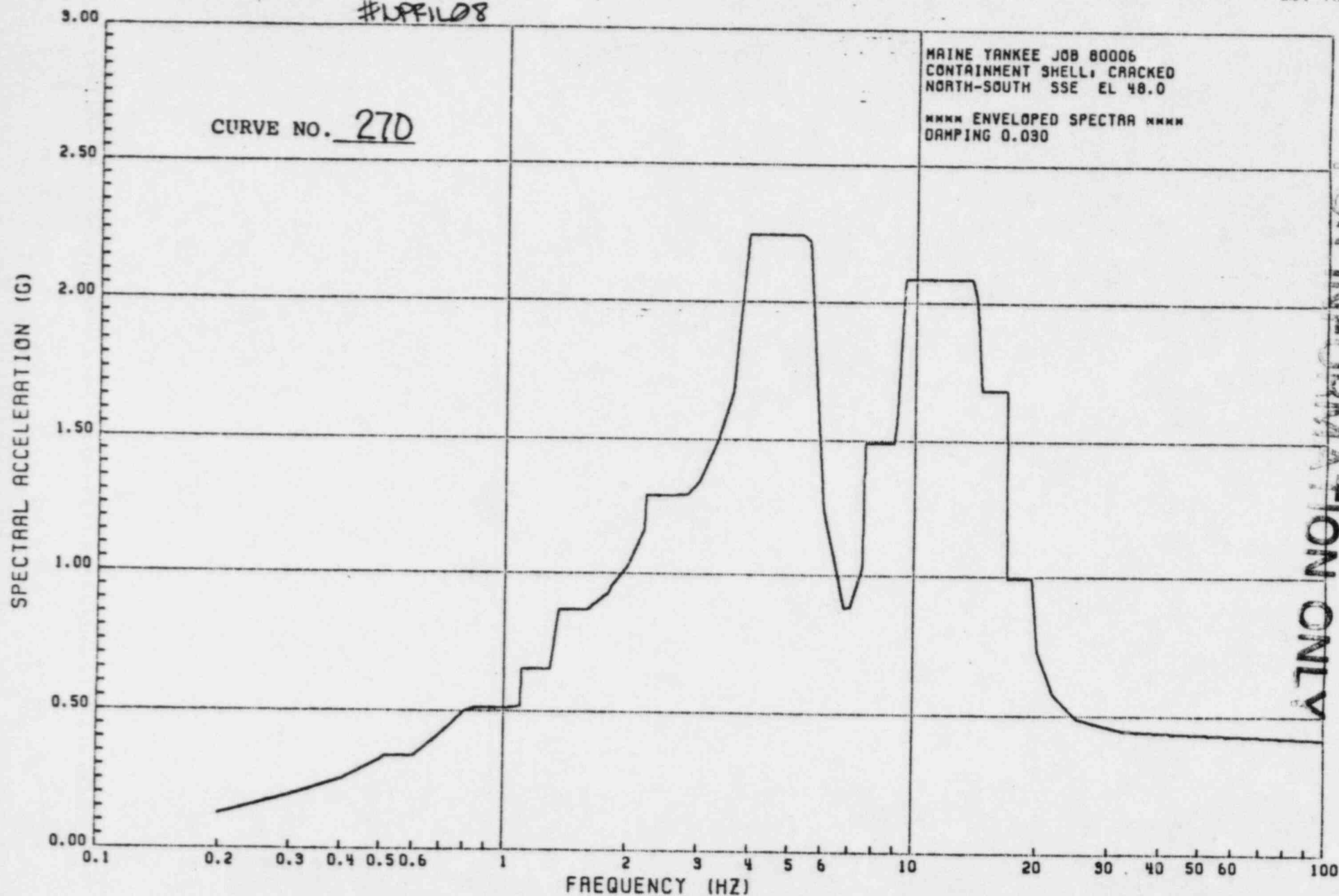
EES

#LFFIL08

CURVE NO. 270

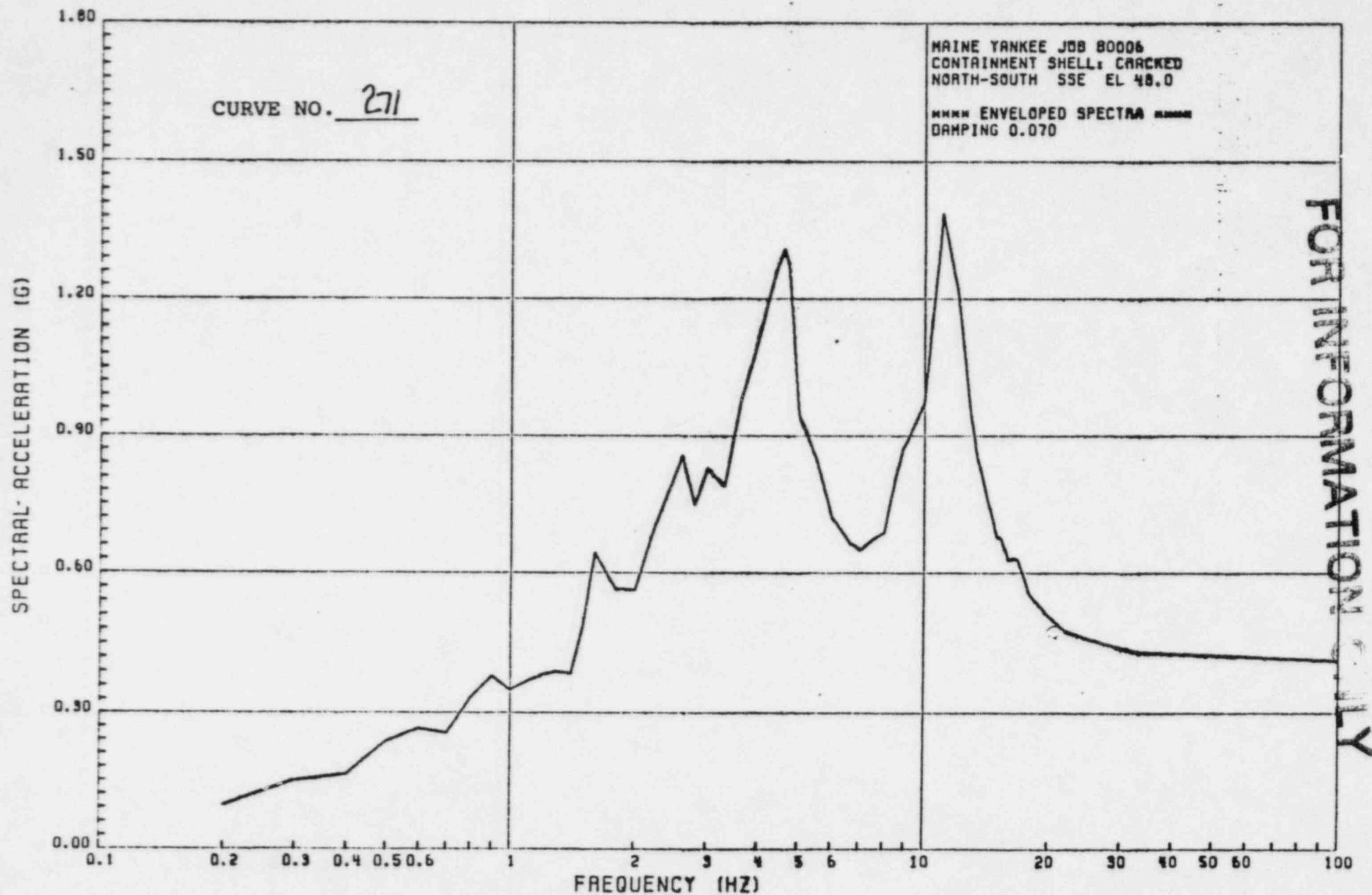
MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH SSE EL 48.0
**** ENVELOPED SPECTRA ****
DAMPING 0.030

FOR INFORMATION ONLY



EARTHQUAKE ENGINEERING SYSTEMS

EES

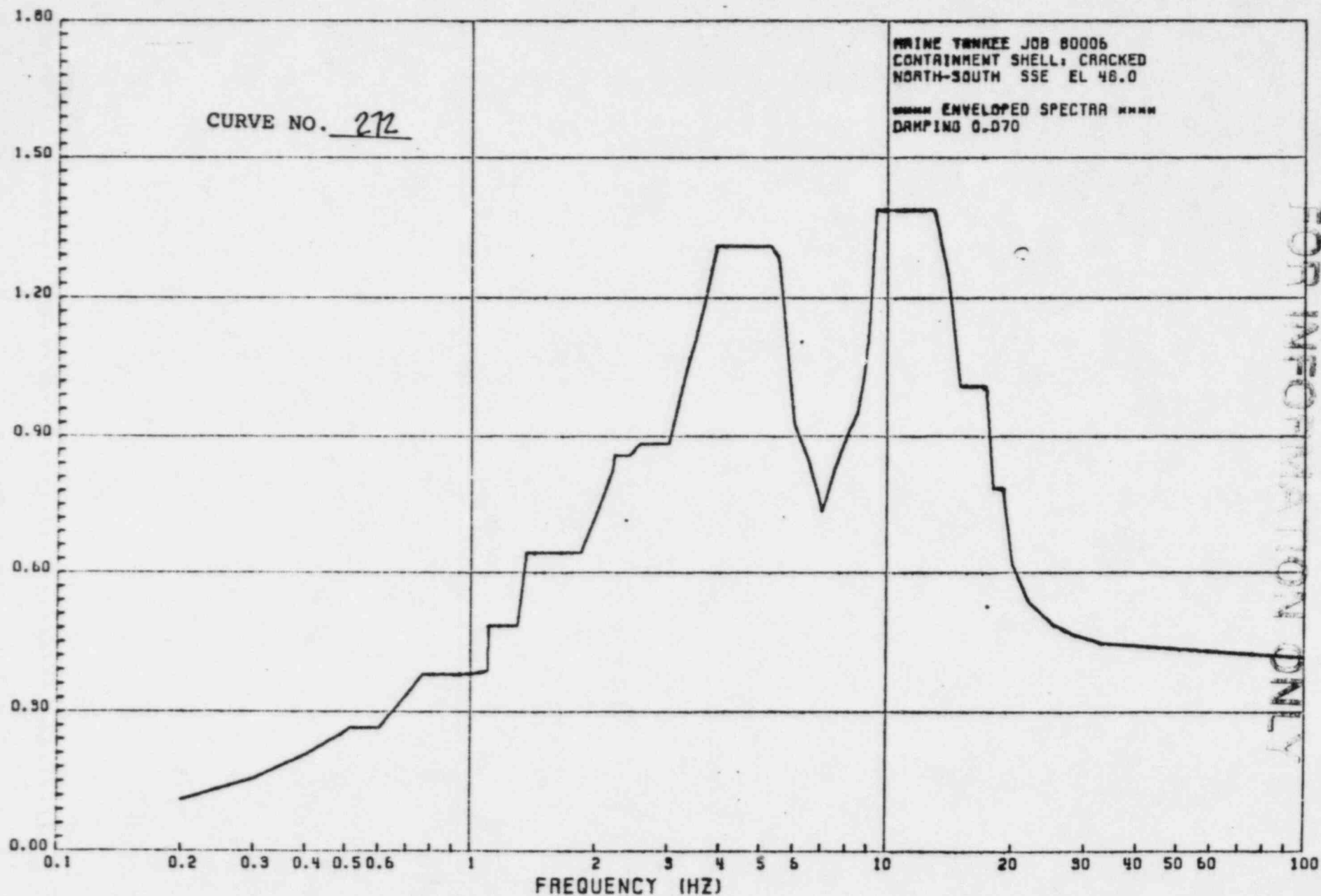


EES

CURVE NO. 272

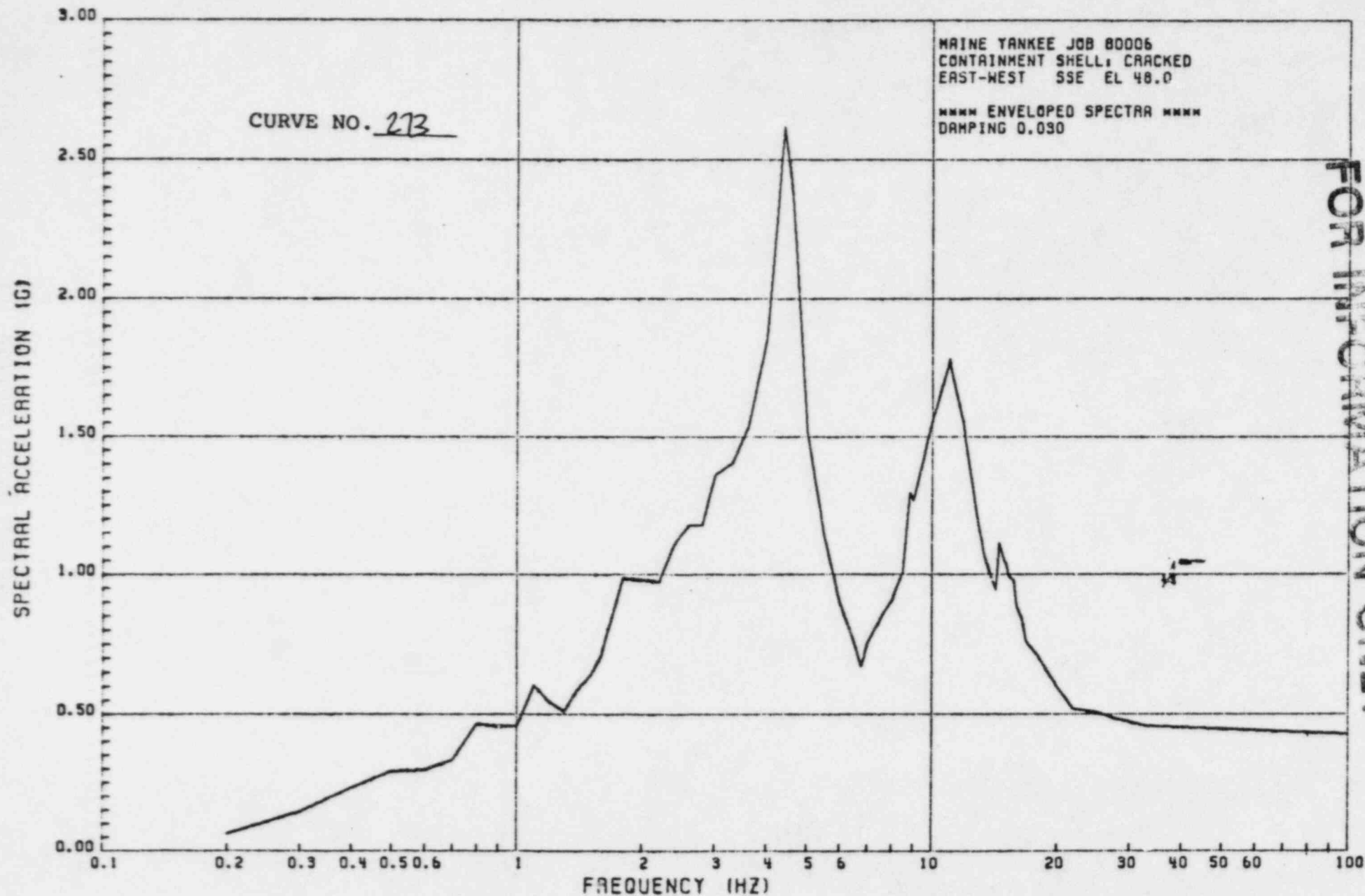
MAINE TANKER JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH SSE EL 48.0
ENVELOPED SPECTRA ****
DAMPING 0.070

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EES NPF1 L07



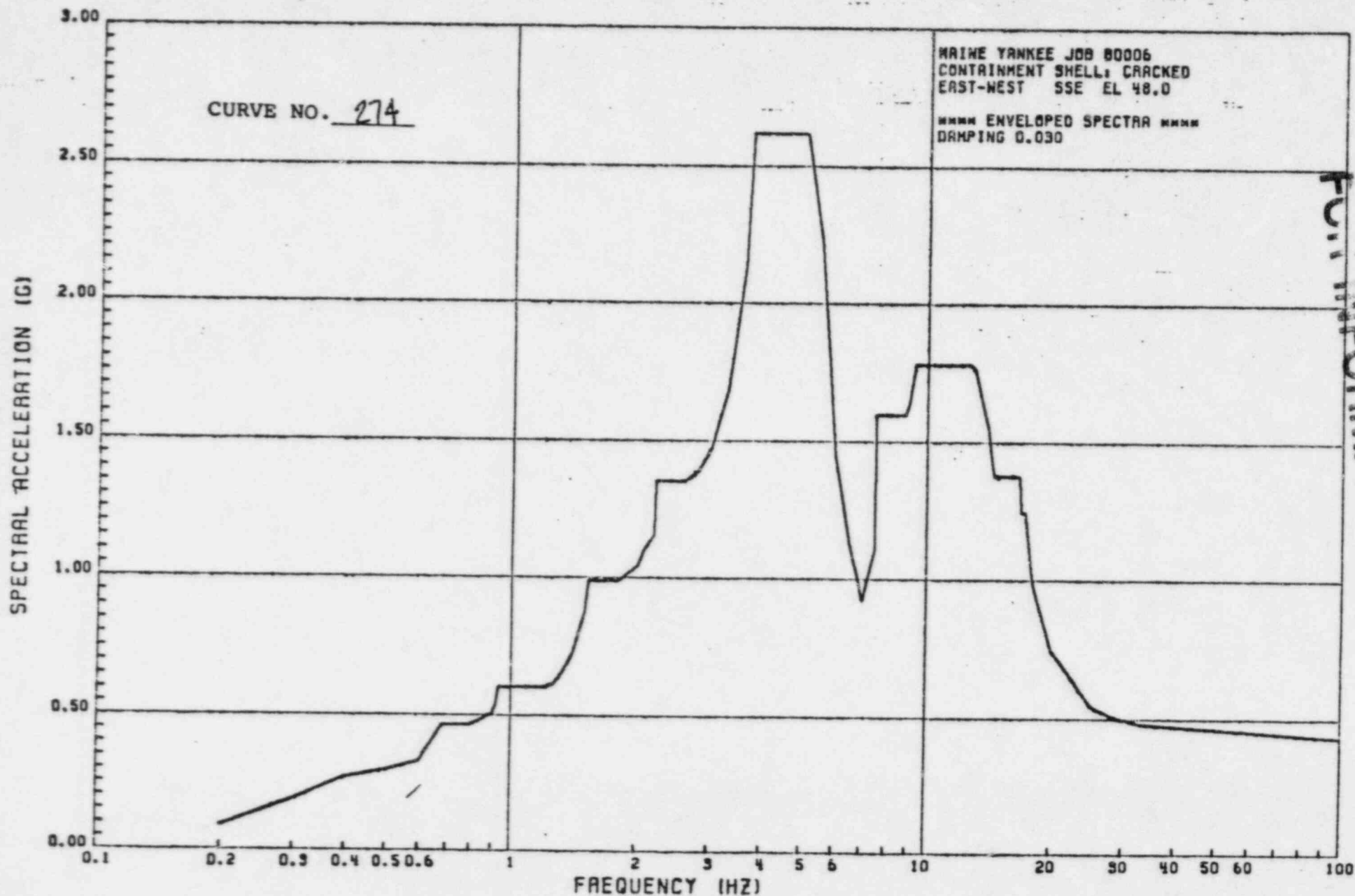
EARTHQUAKE ENGINEERING SYSTEMS

EES NPF 1L08

CURVE NO. 274

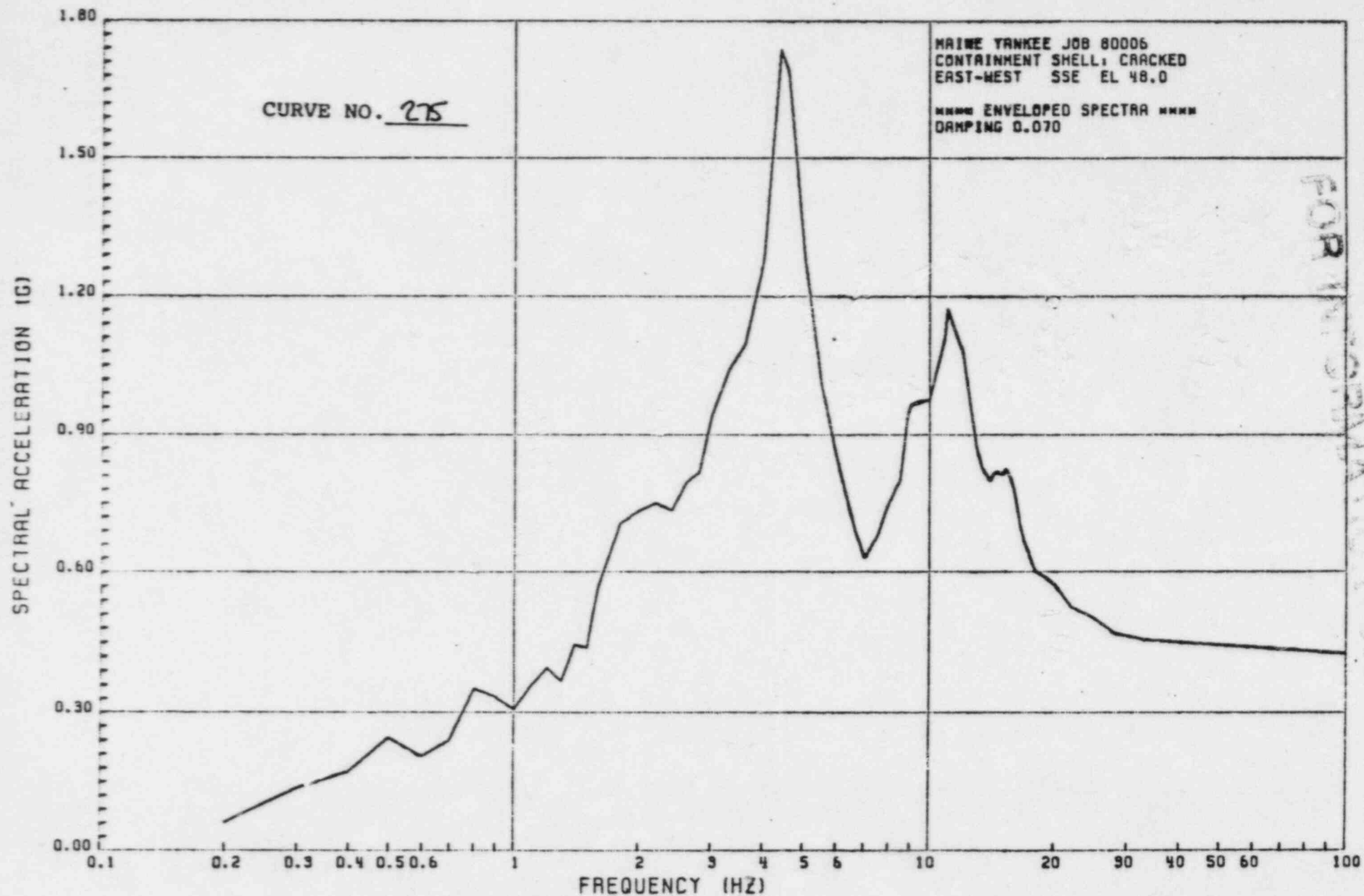
MAINE YANKEE JOB 80006
CONTAINMENT SHELL: CRACKED
EAST-WEST SSE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030



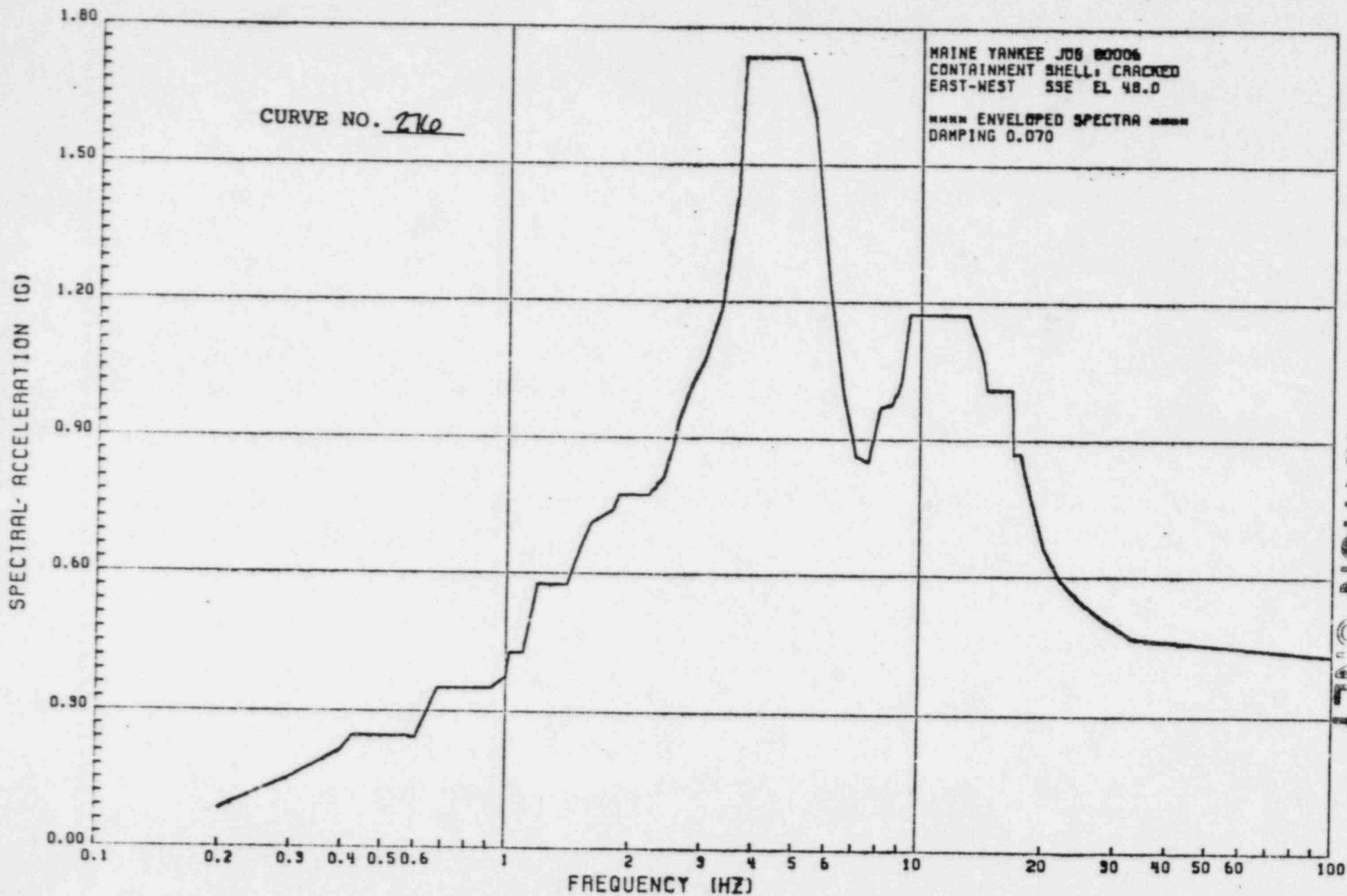
EARTHQUAKE ENGINEERING SYSTEMS

EES



EARTHQUAKE ENGINEERING SYSTEMS

EES



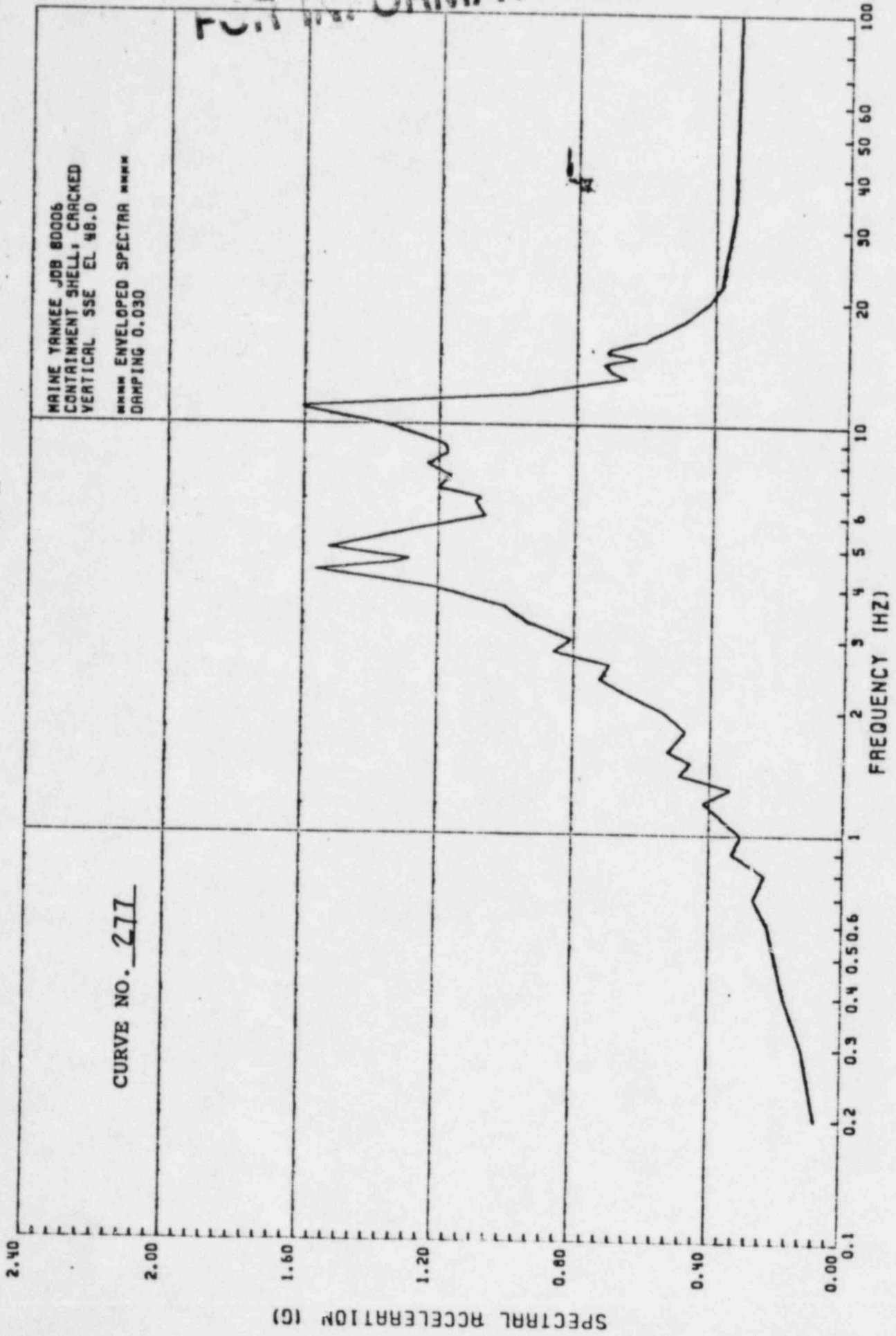
FOR INFORMATION ONLY

EES NPF 1 101

CURVE NO. 277

MAINE TANKER JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL SSE EL 48.0
MINIMUM ENVELOPED SPECTRA MINIMUM
DAMPING 0.030

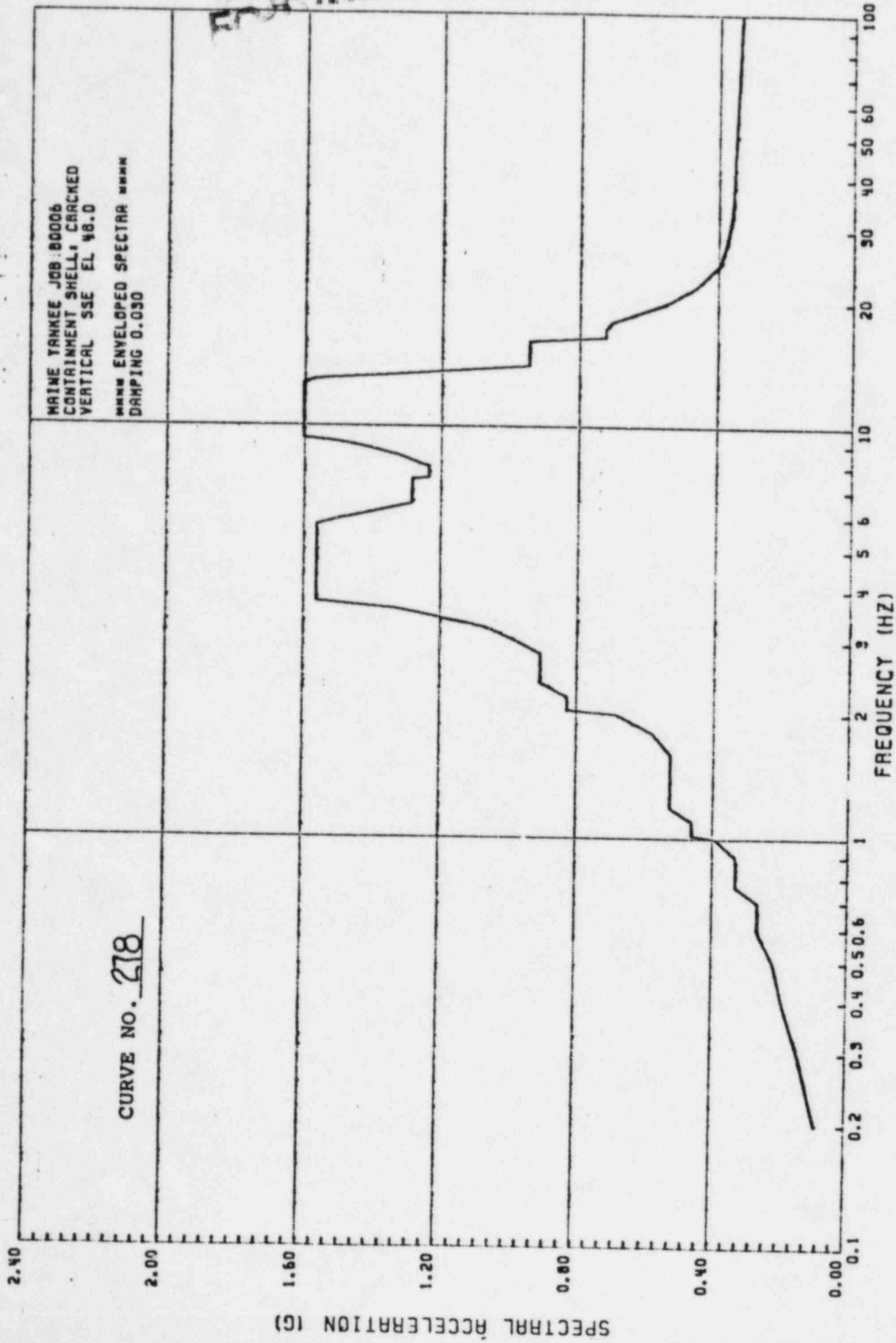
FOR INFORMATION ONLY



EARTHQUAKE ENGINEERING SYSTEMS

EES NPF 1102

CURVE NO. 218



EARTHQUAKE ENGINEERING SYSTEMS

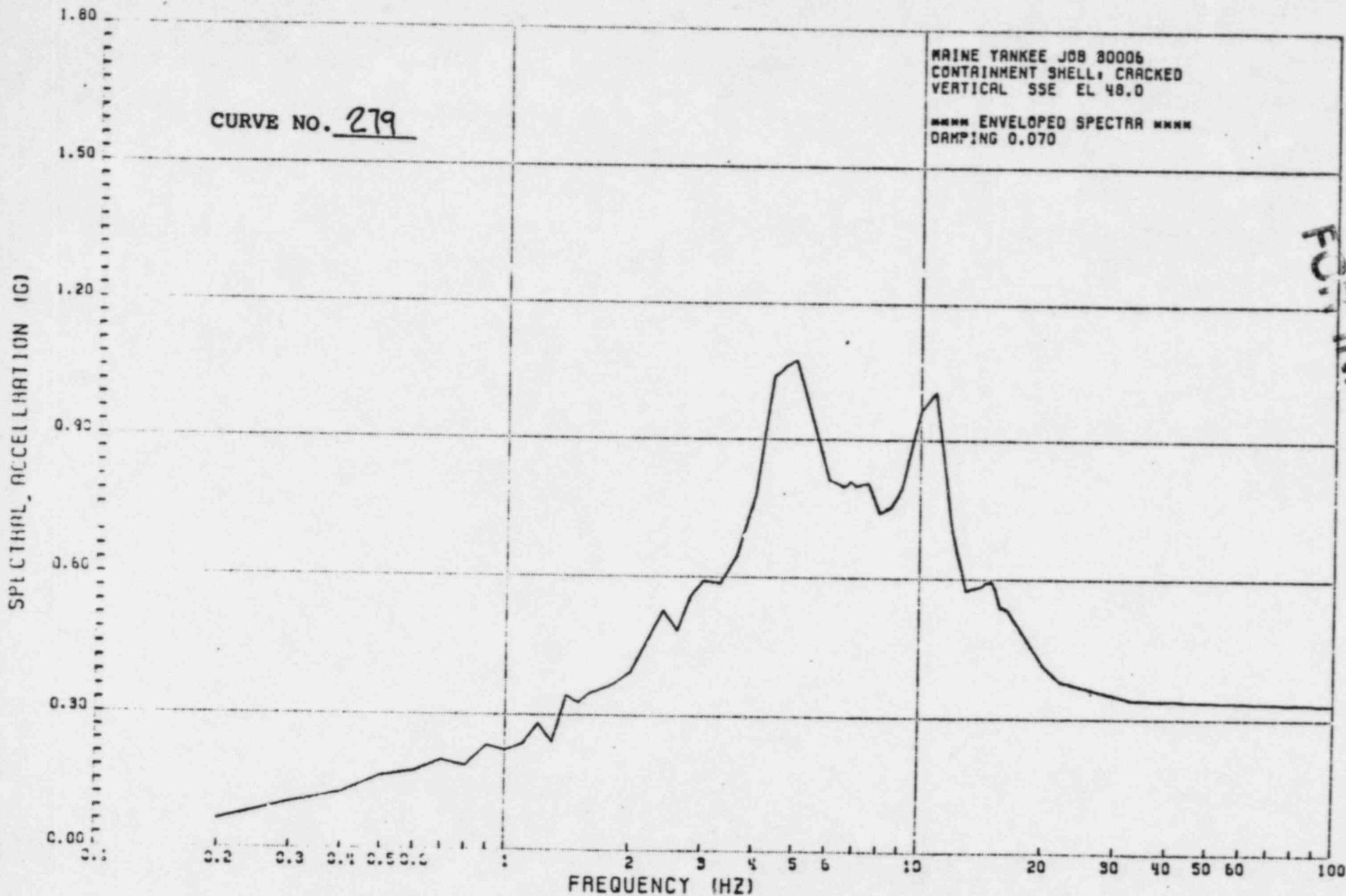
EES

CURVE NO. 279

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL SSE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.070

FOR INFORMATION ONLY
ONLY

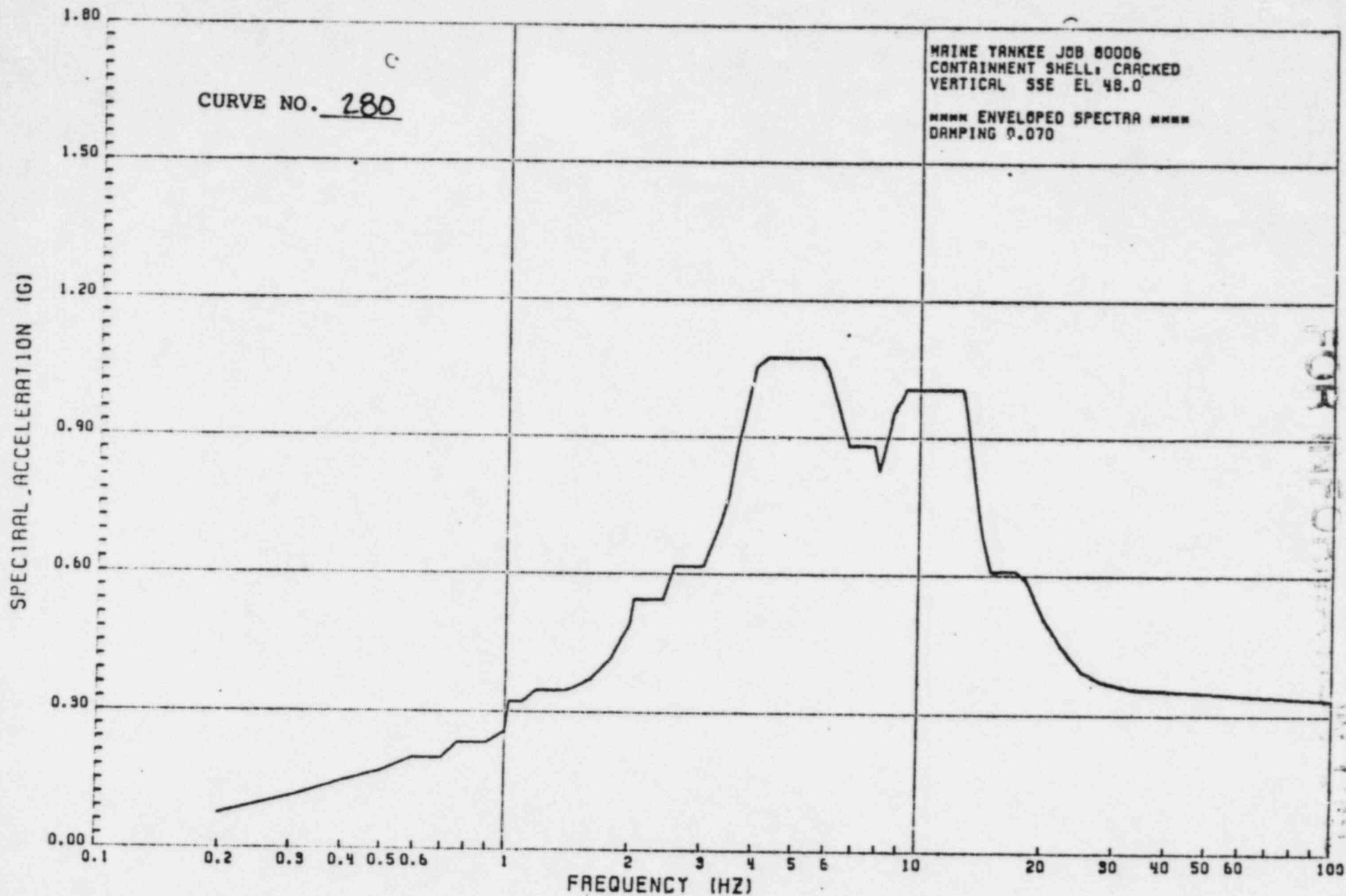


EES

CURVE NO. 280

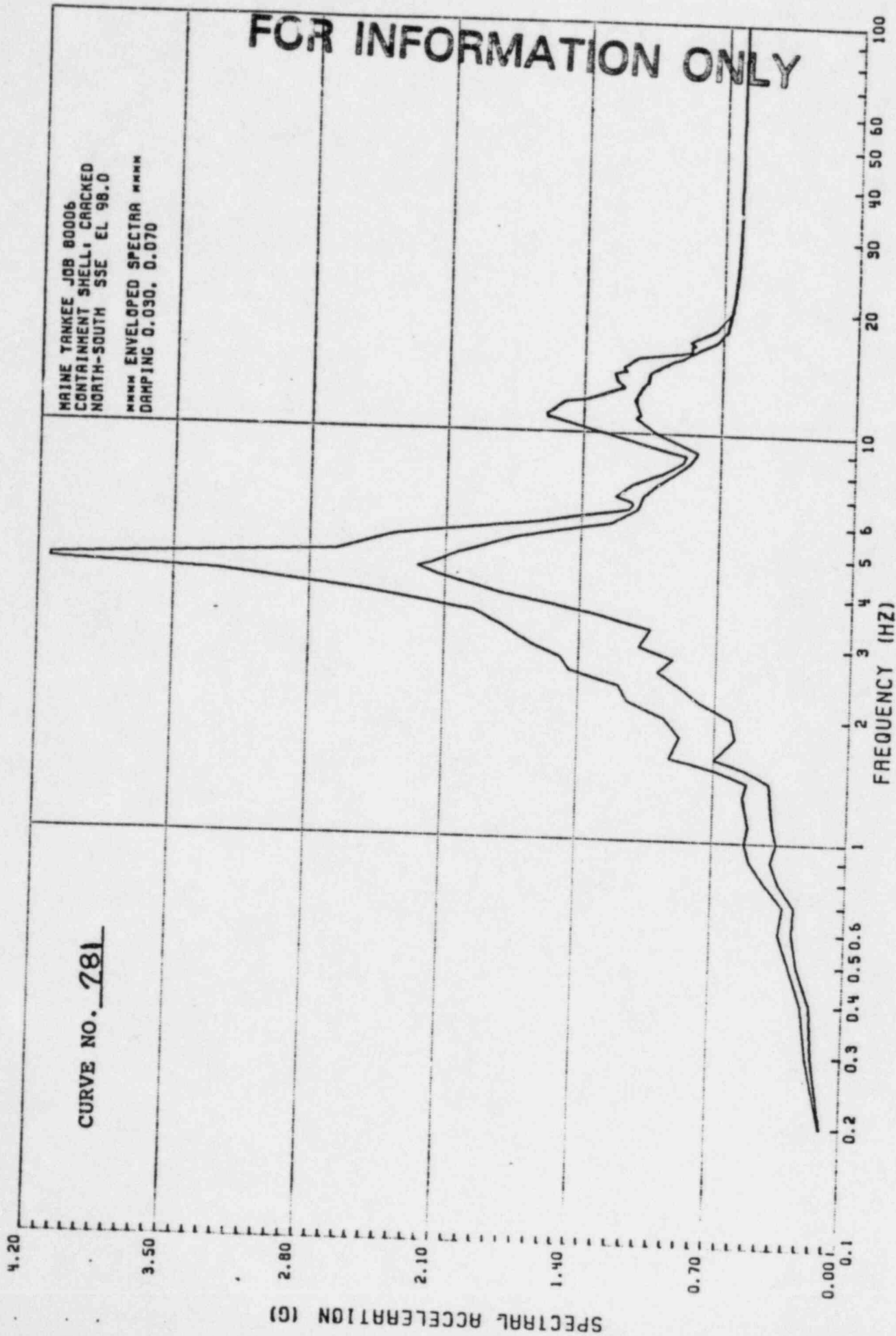
MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL SSE EL 48.0

ENVELOPED SPECTRA
DAMPING 0.070

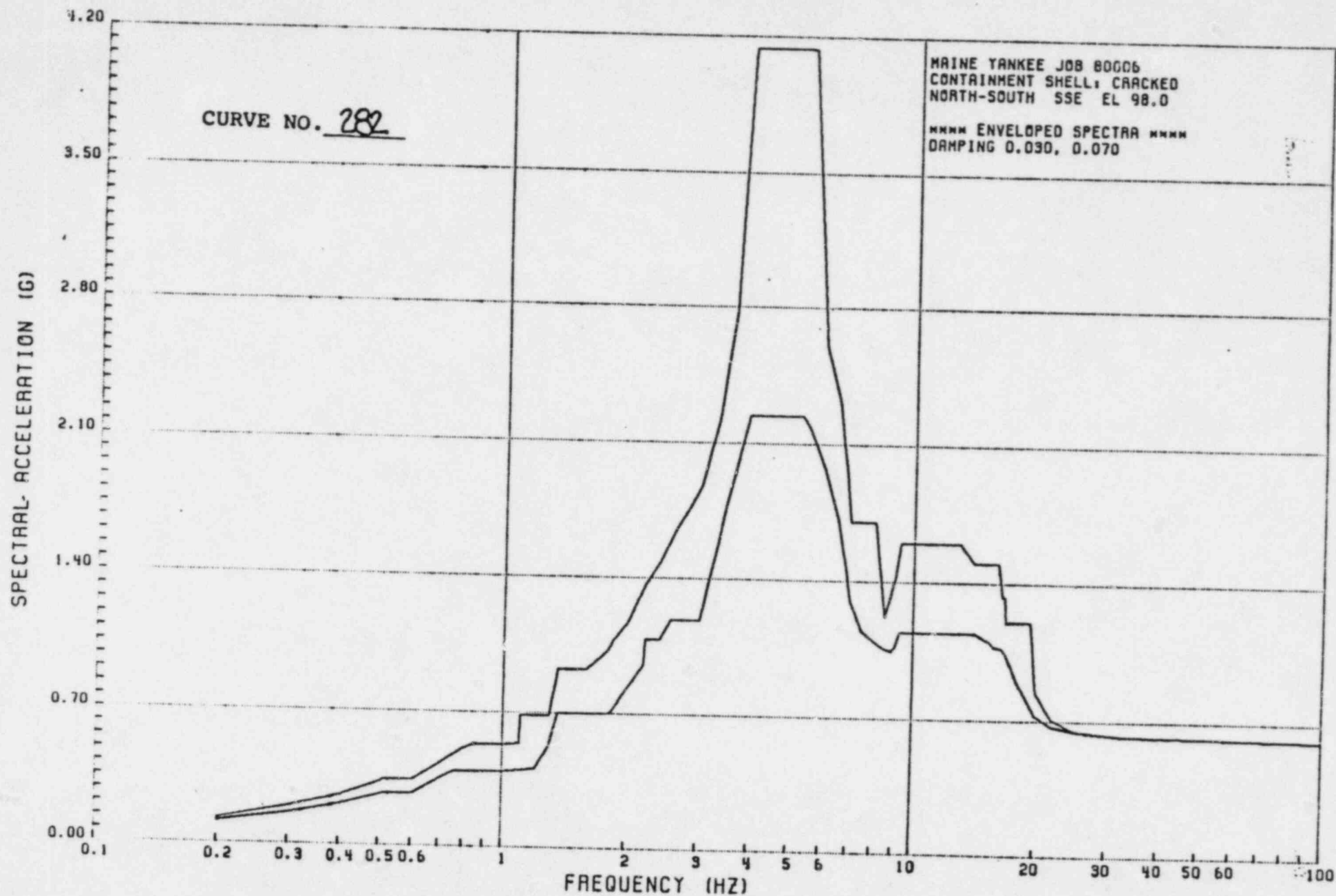


EARTHQUAKE ENGINEERING SYSTEMS

EES



EES



FOR INFORMATION ONLY

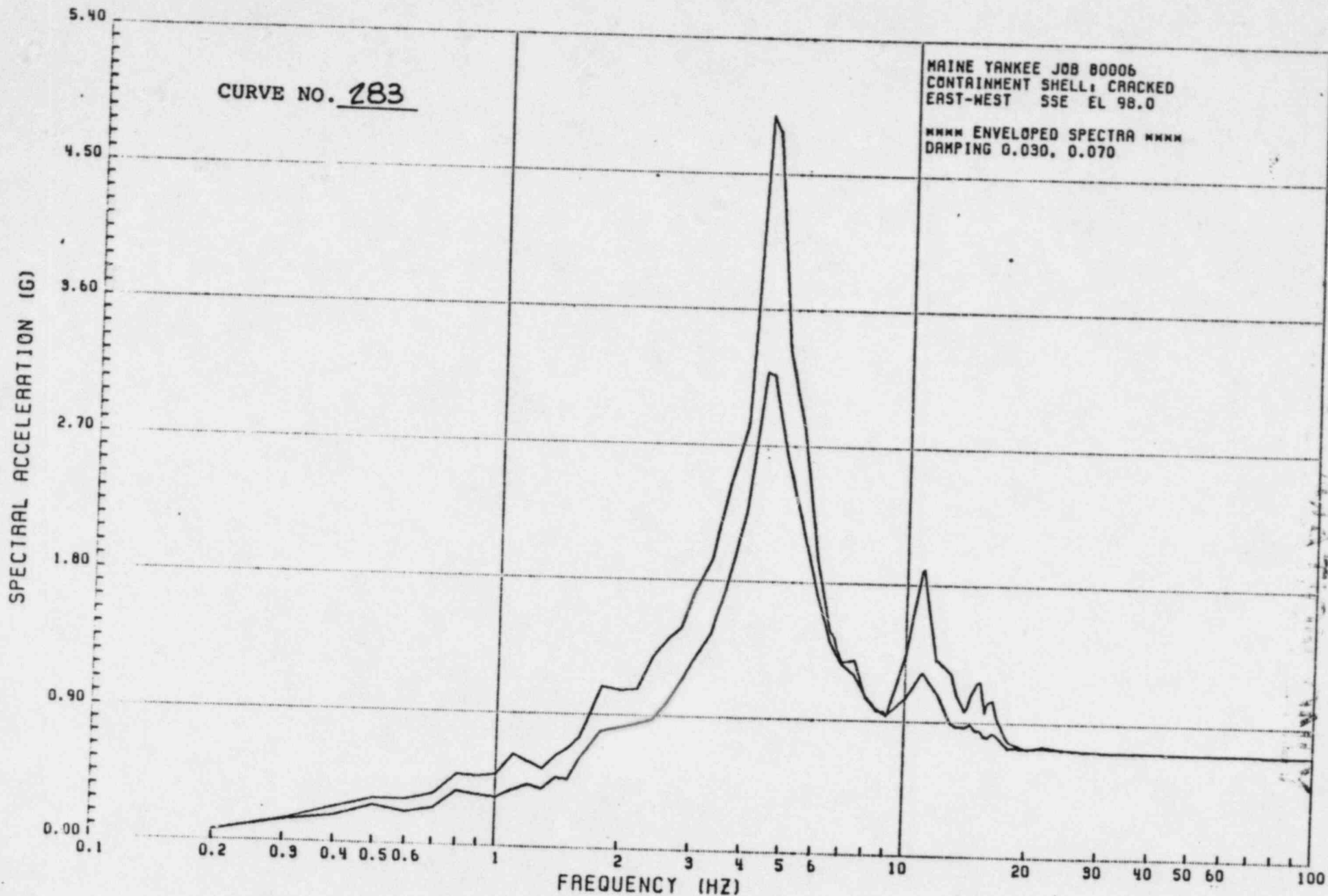
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 283

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST SSE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030, 0.070



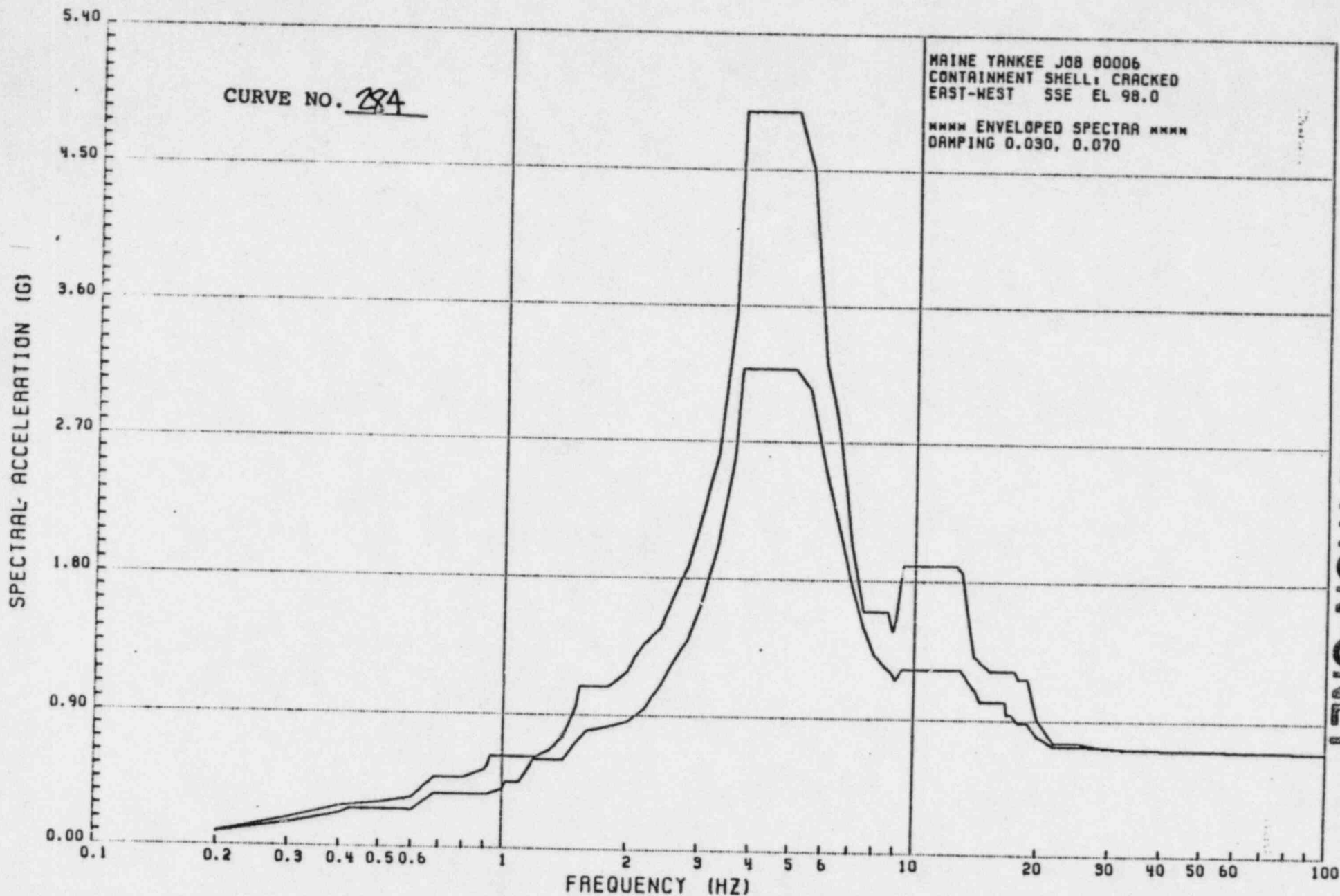
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 284

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST SSE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030, 0.070



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

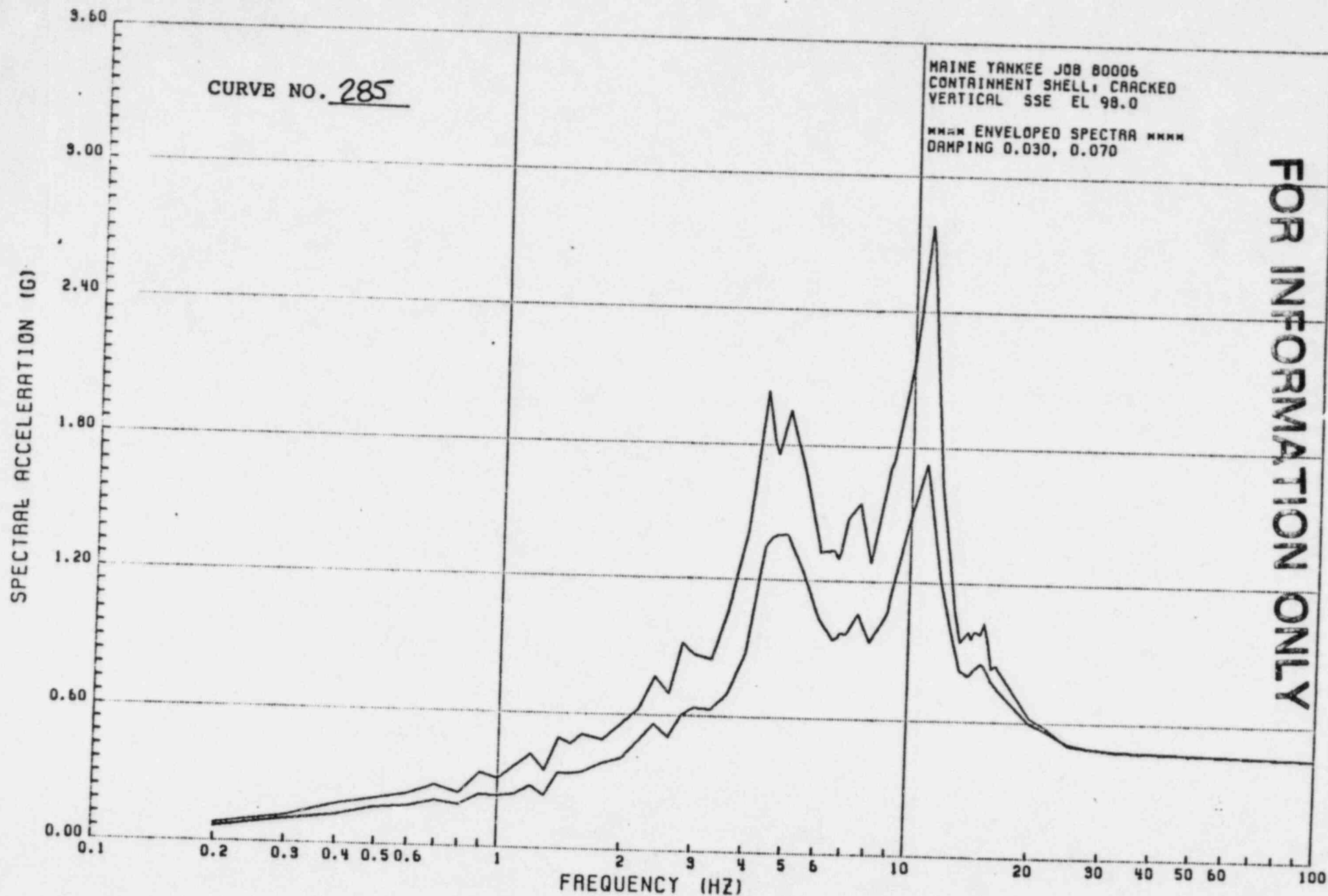
EES

CURVE NO. 285

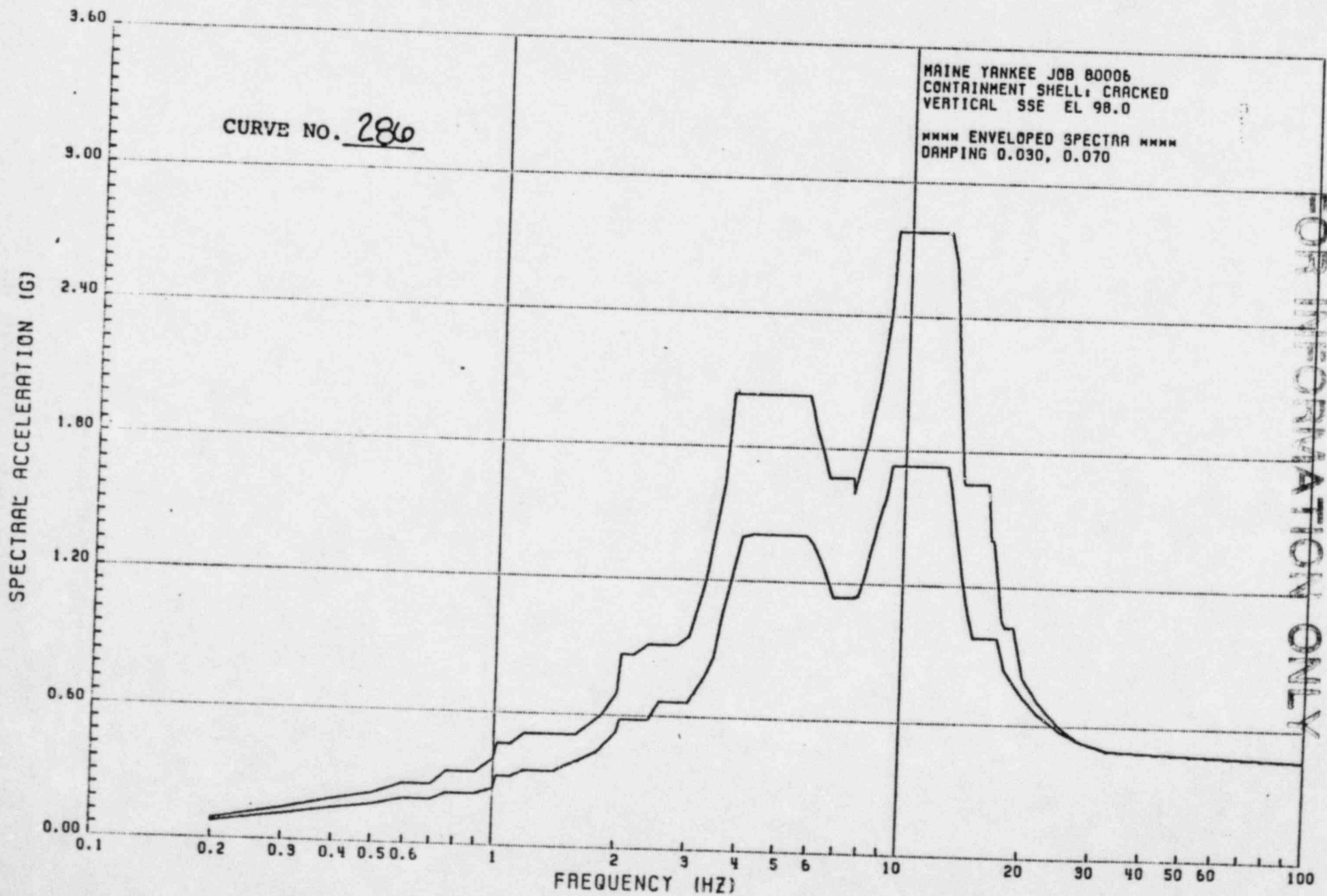
MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL SSE EL 98.0

*** ENVELOPED SPECTRA ***
DAMPING 0.030, 0.070

FOR INFORMATION ONLY

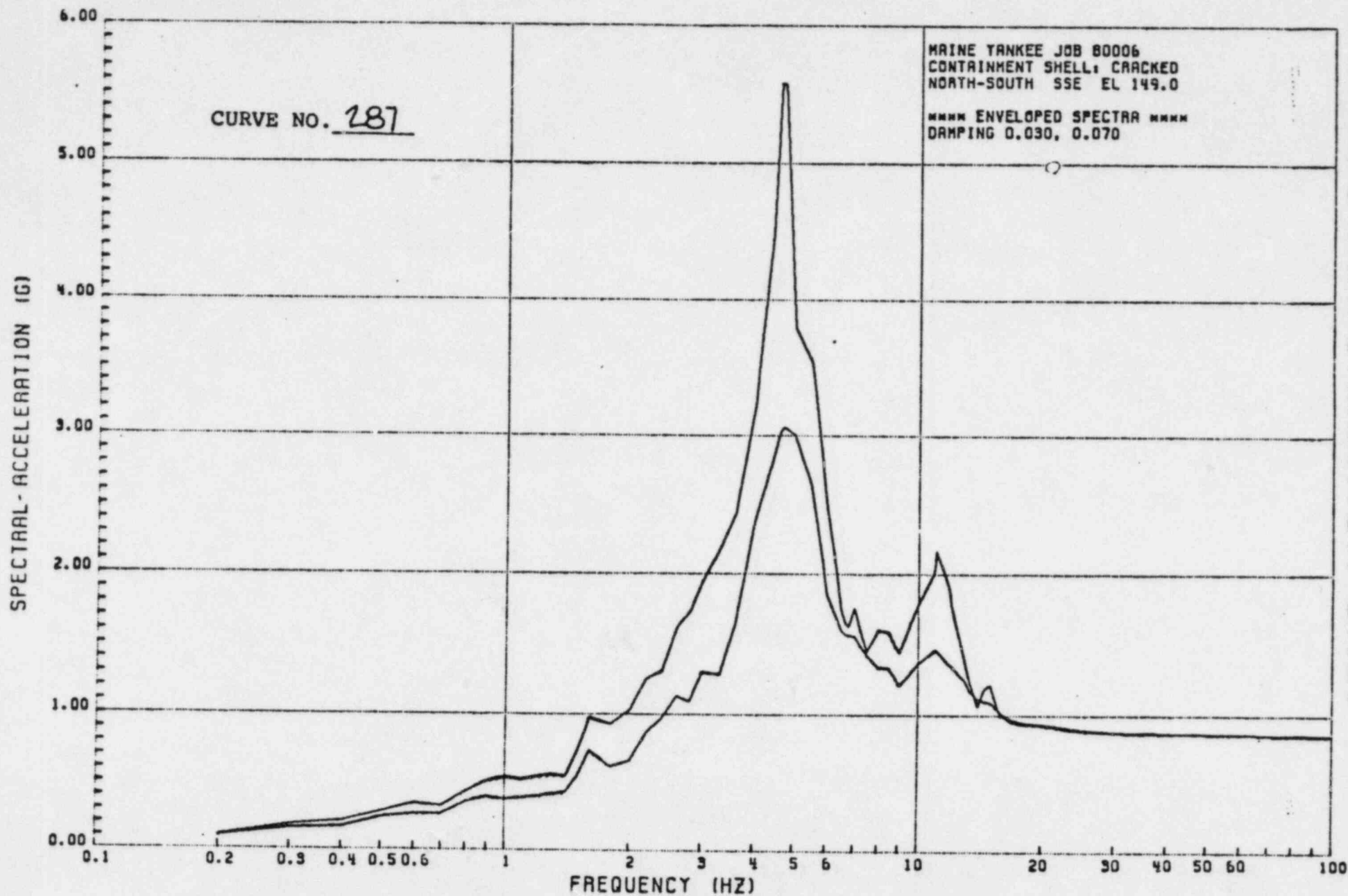


EES



EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

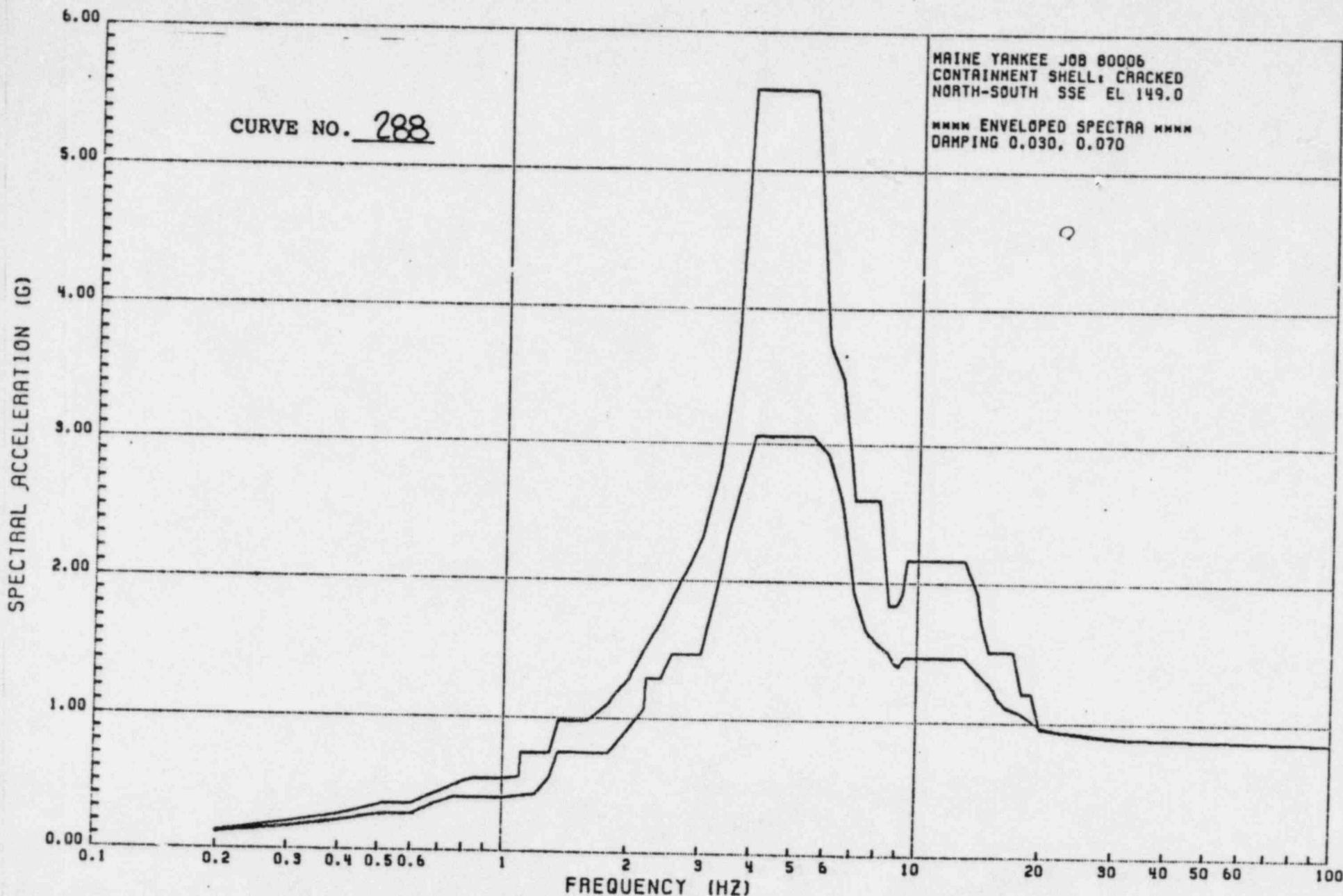
EES

CURVE NO. 288

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH SSE EL 149.0

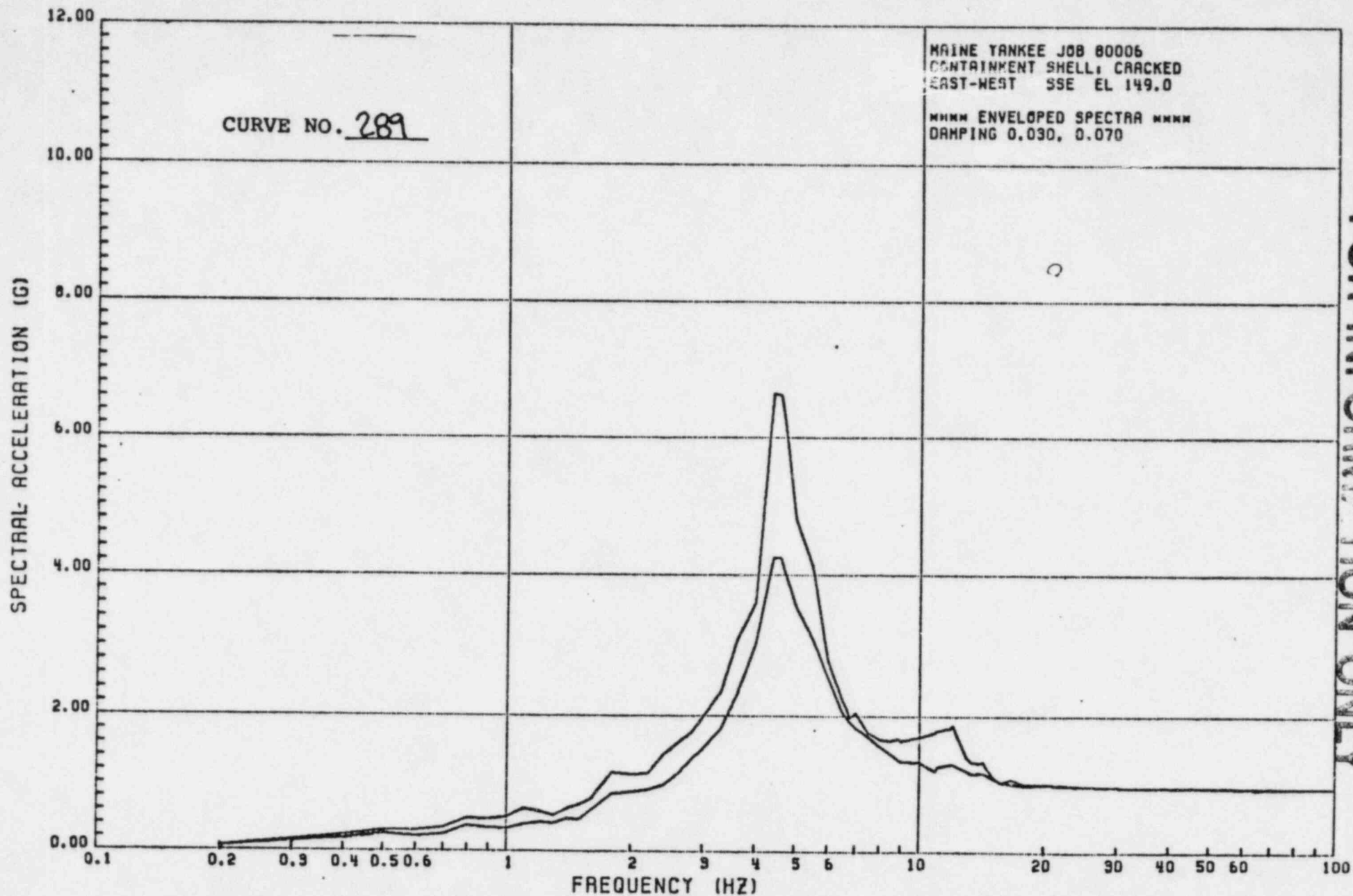
**** ENVELOPED SPECTRA ****
DAMPING 0.030, 0.070

FOR INFORMATION ONLY



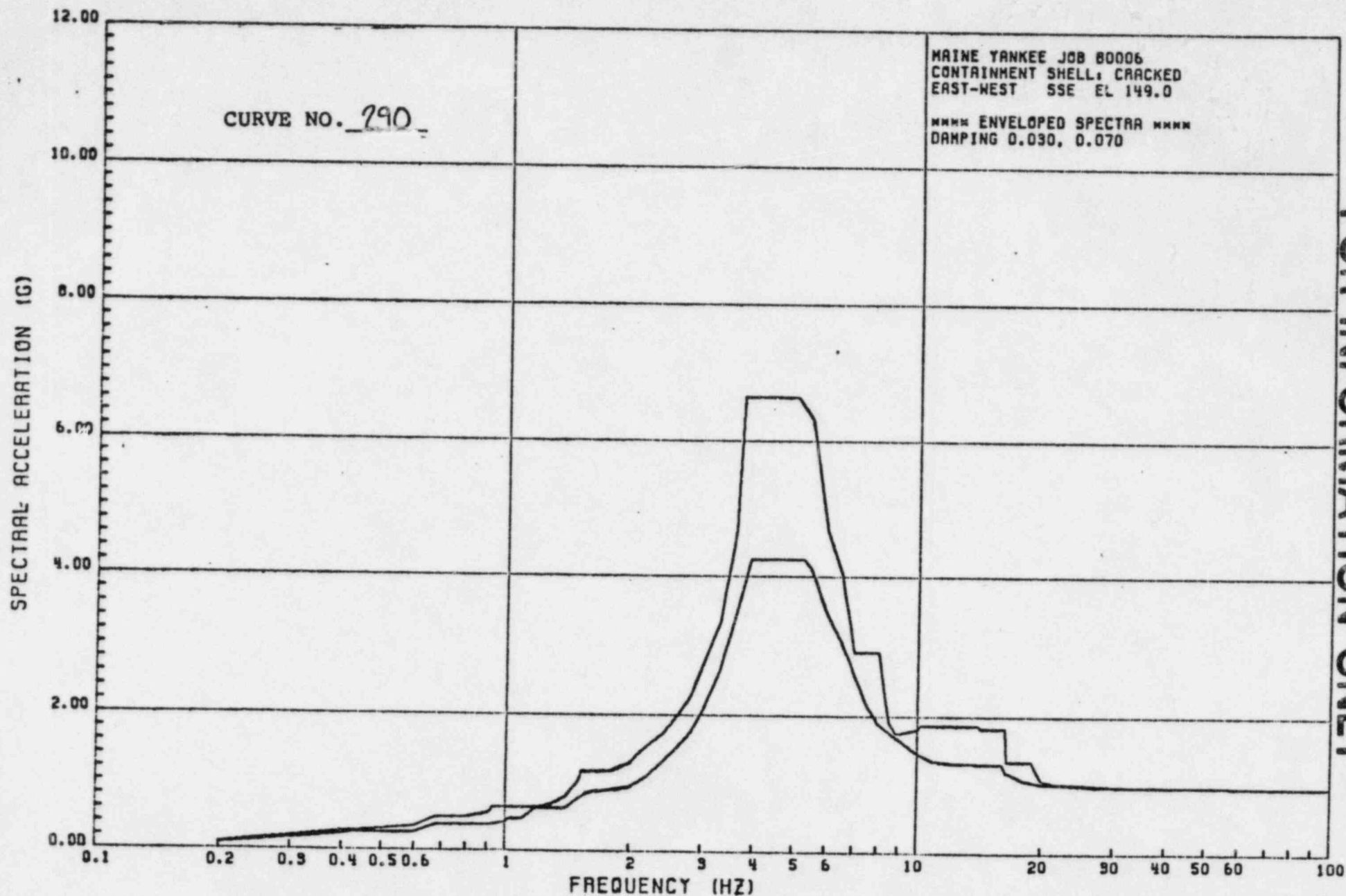
EARTHQUAKE ENGINEERING SYSTEMS

EES



EARTHQUAKE ENGINEERING SYSTEMS

EES



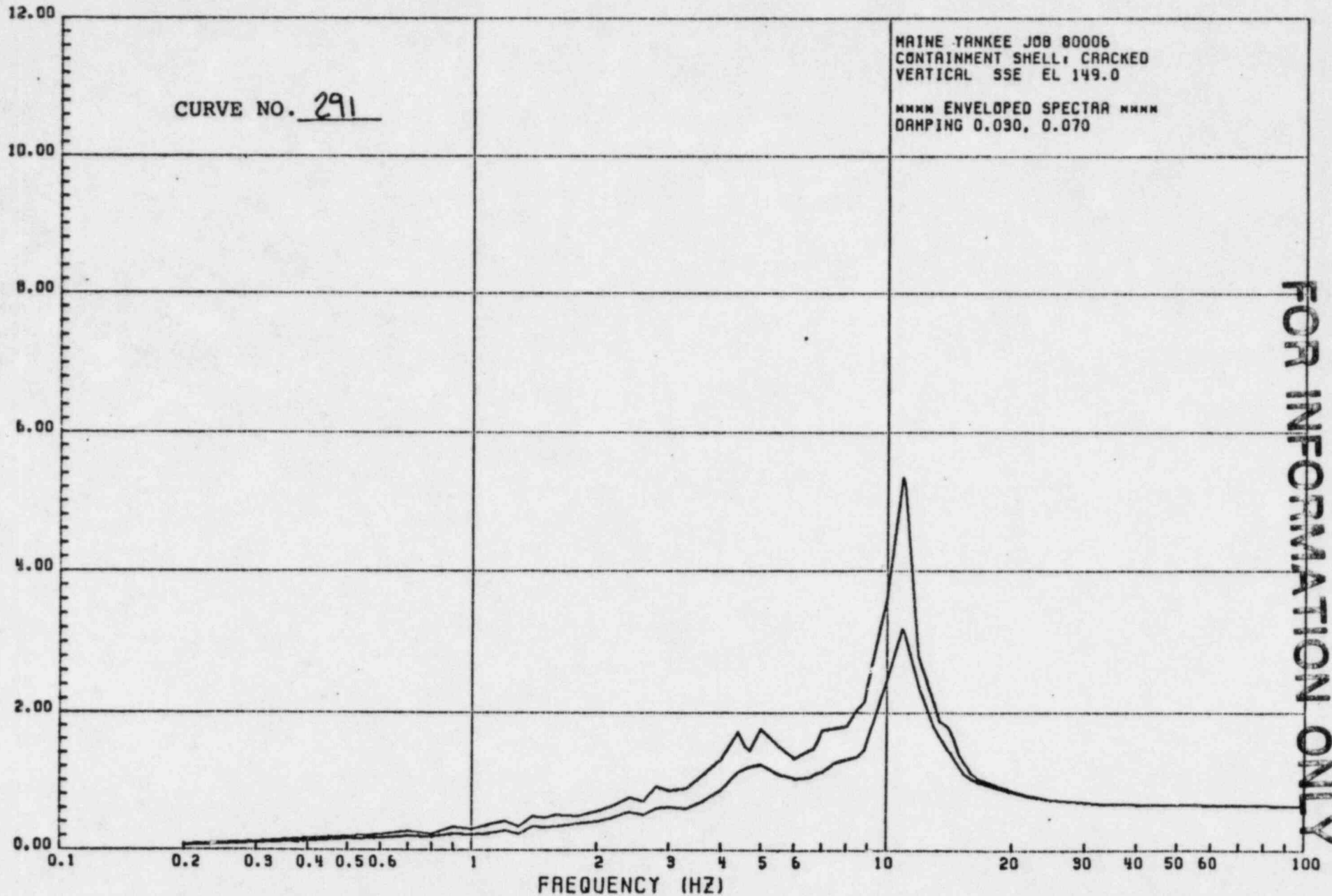
EES

CURVE NO. 291

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL SSE EL 149.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030, 0.070

SPECTRAL ACCELERATION (G)



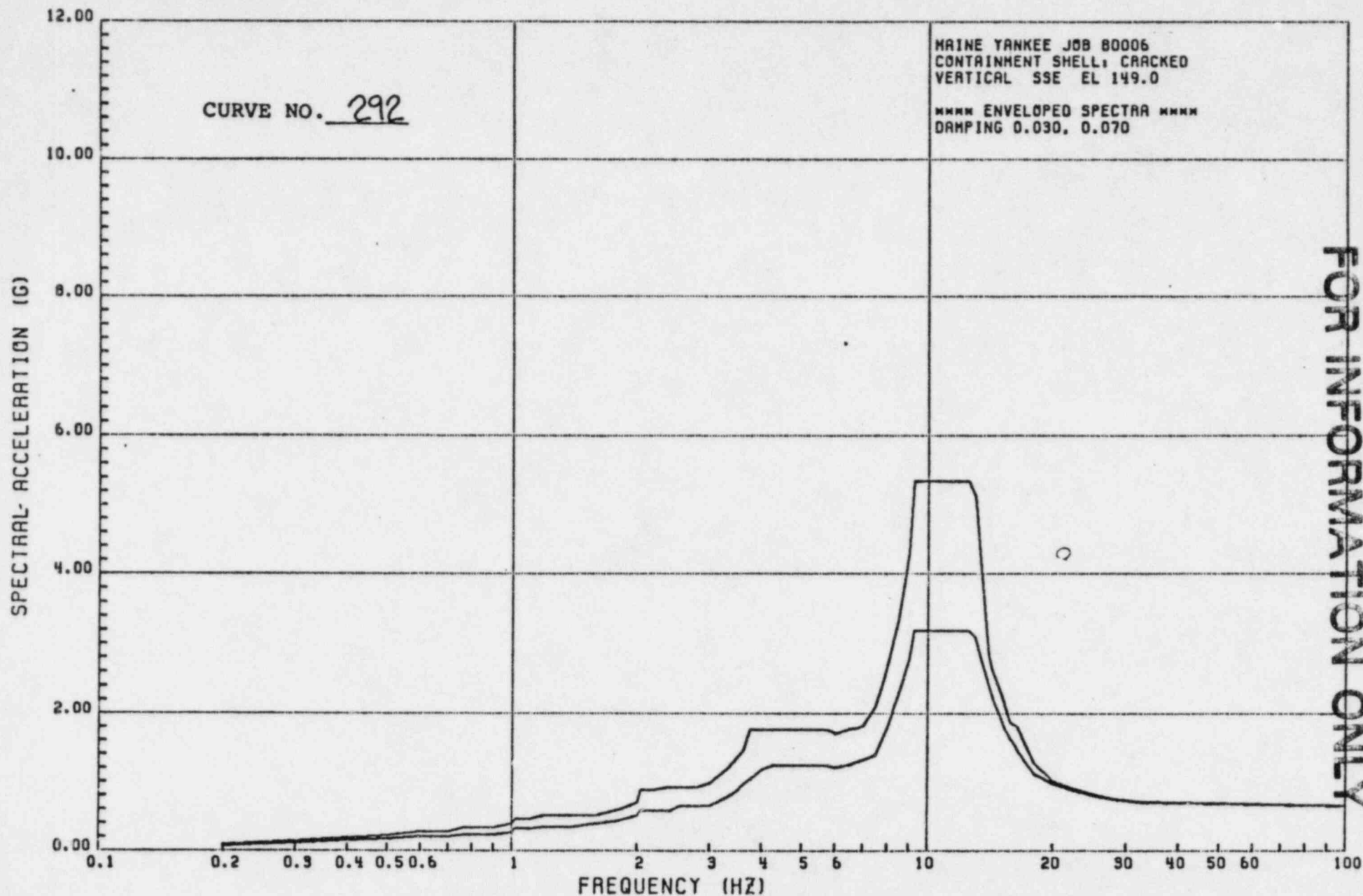
FOR INFORMATION ONLY

EES

CURVE NO. 292

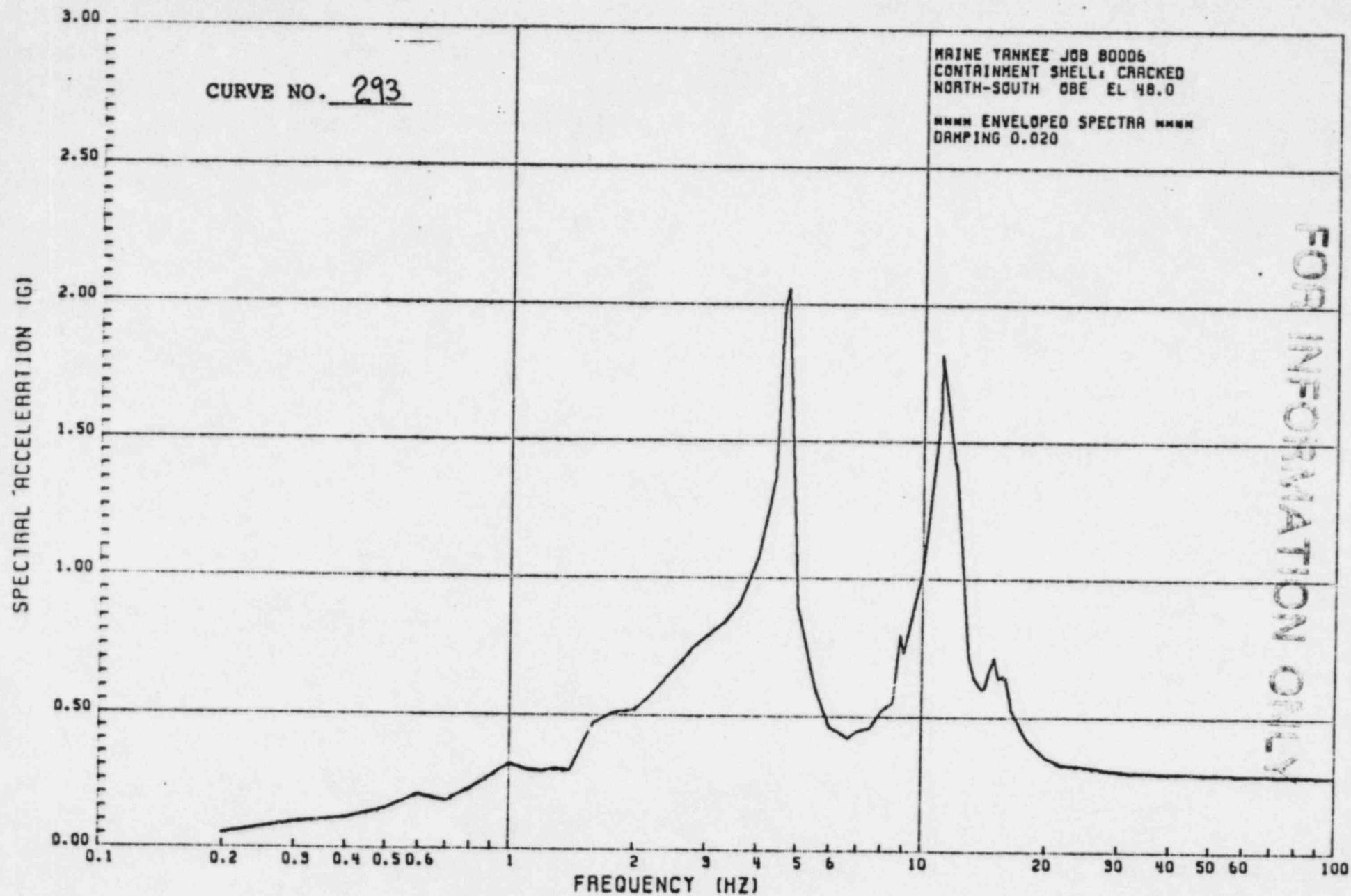
MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL SSE EL 149.0

**** ENVELOPED SPECTRA ****
DAMPING 0.030, 0.070



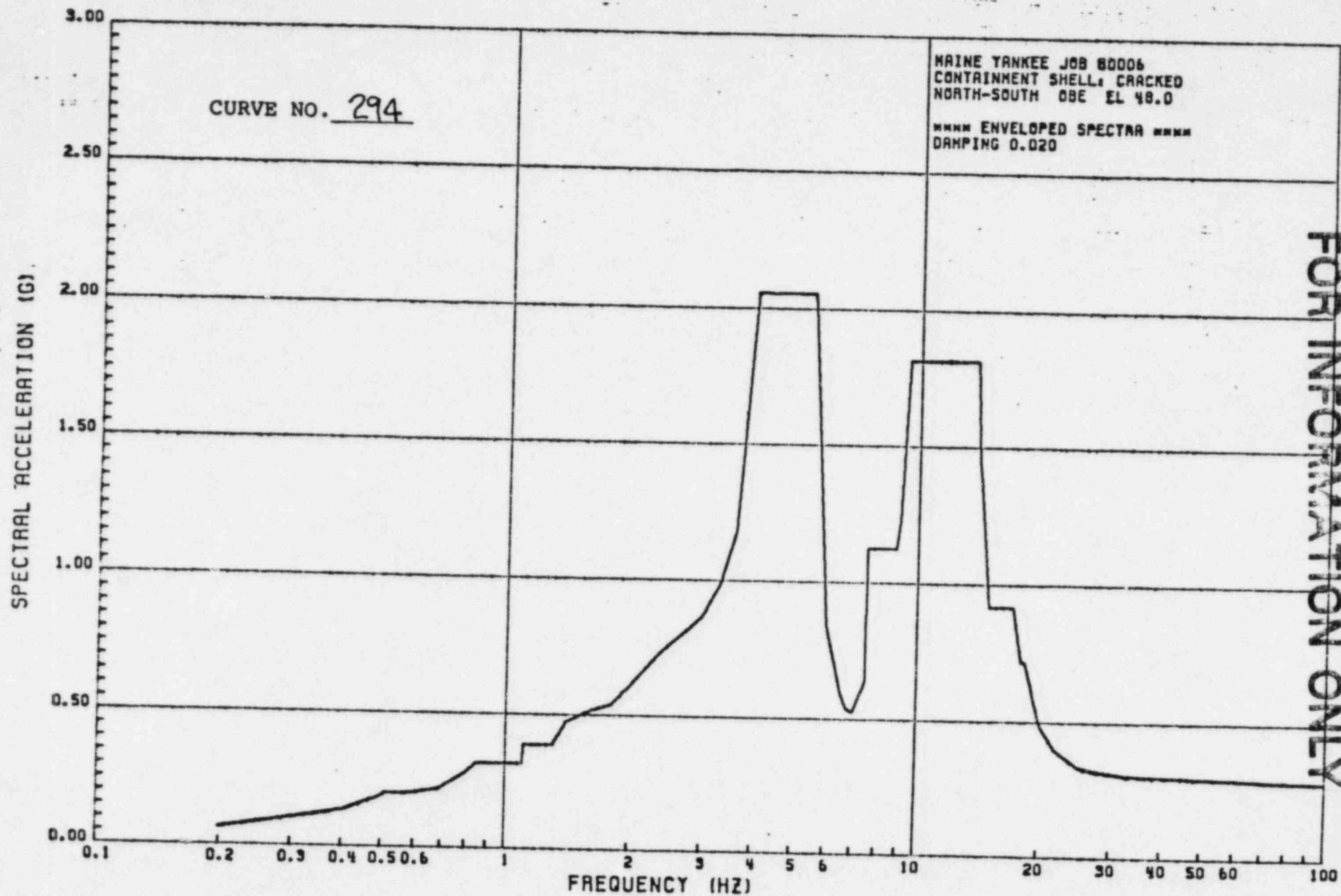
EARTHQUAKE ENGINEERING SYSTEMS

EES NPF 1 L03



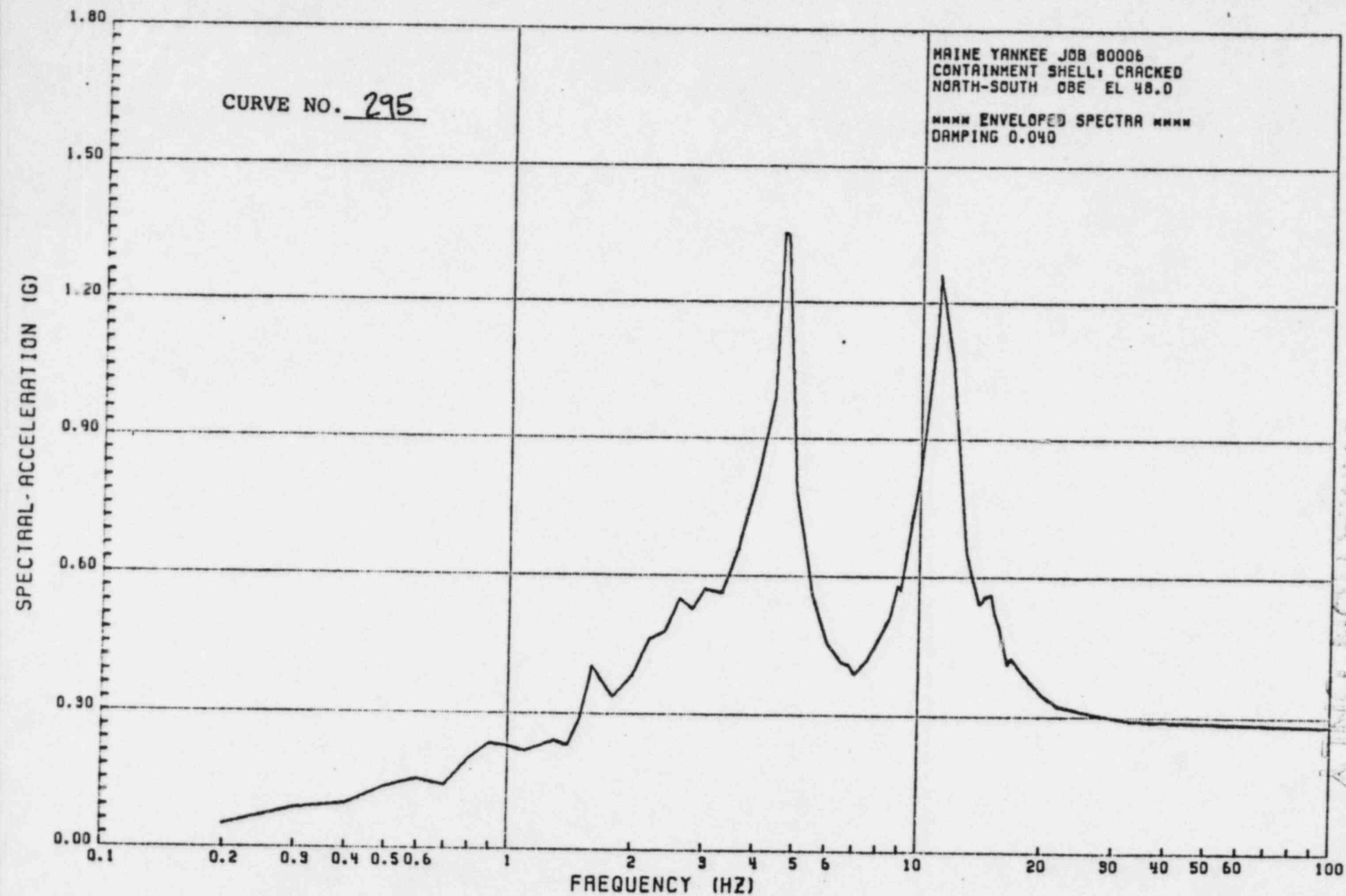
EARTHQUAKE ENGINEERING SYSTEMS

EES NPF 1 L04



EARTHQUAKE ENGINEERING SYSTEMS

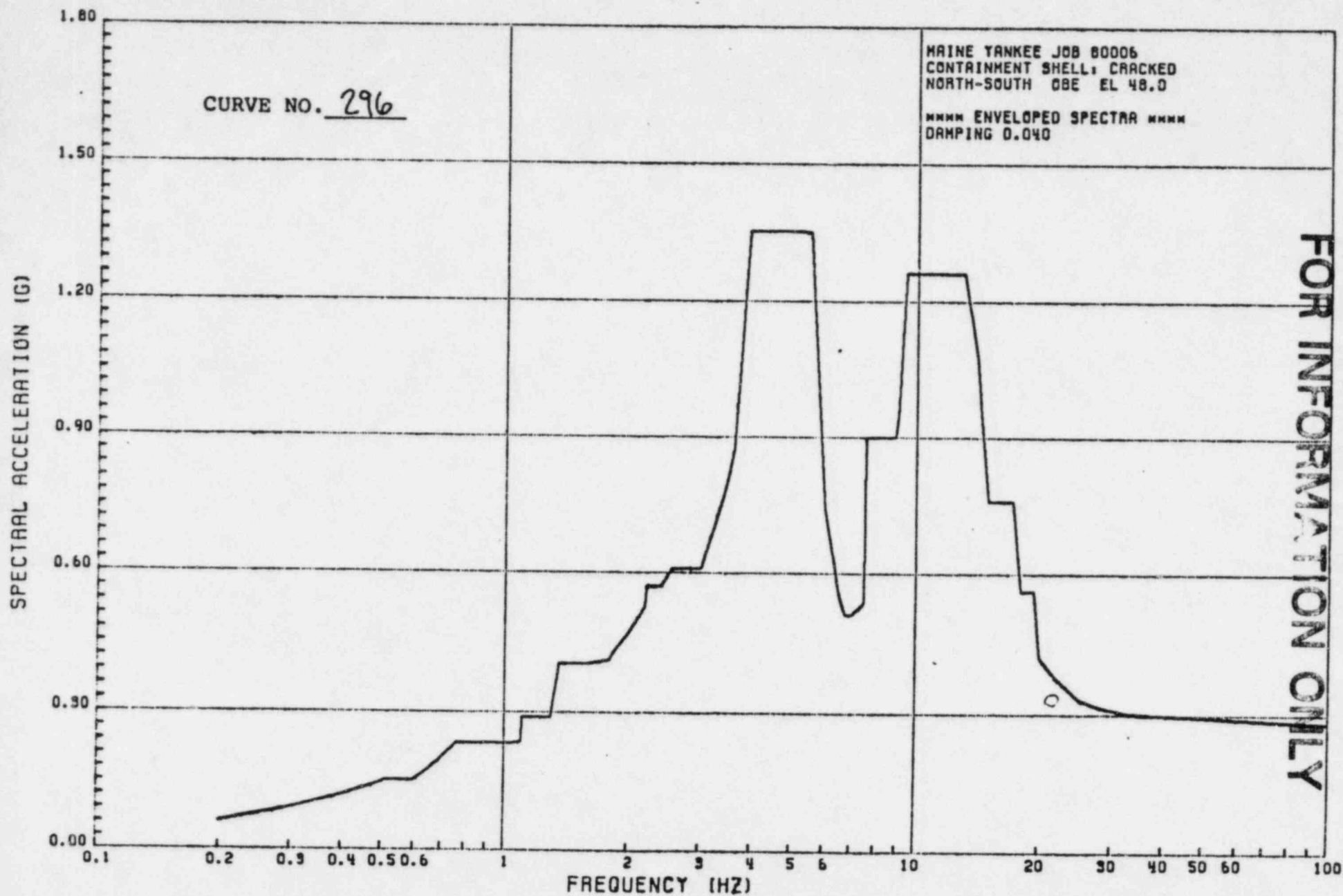
EES



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES



EE9

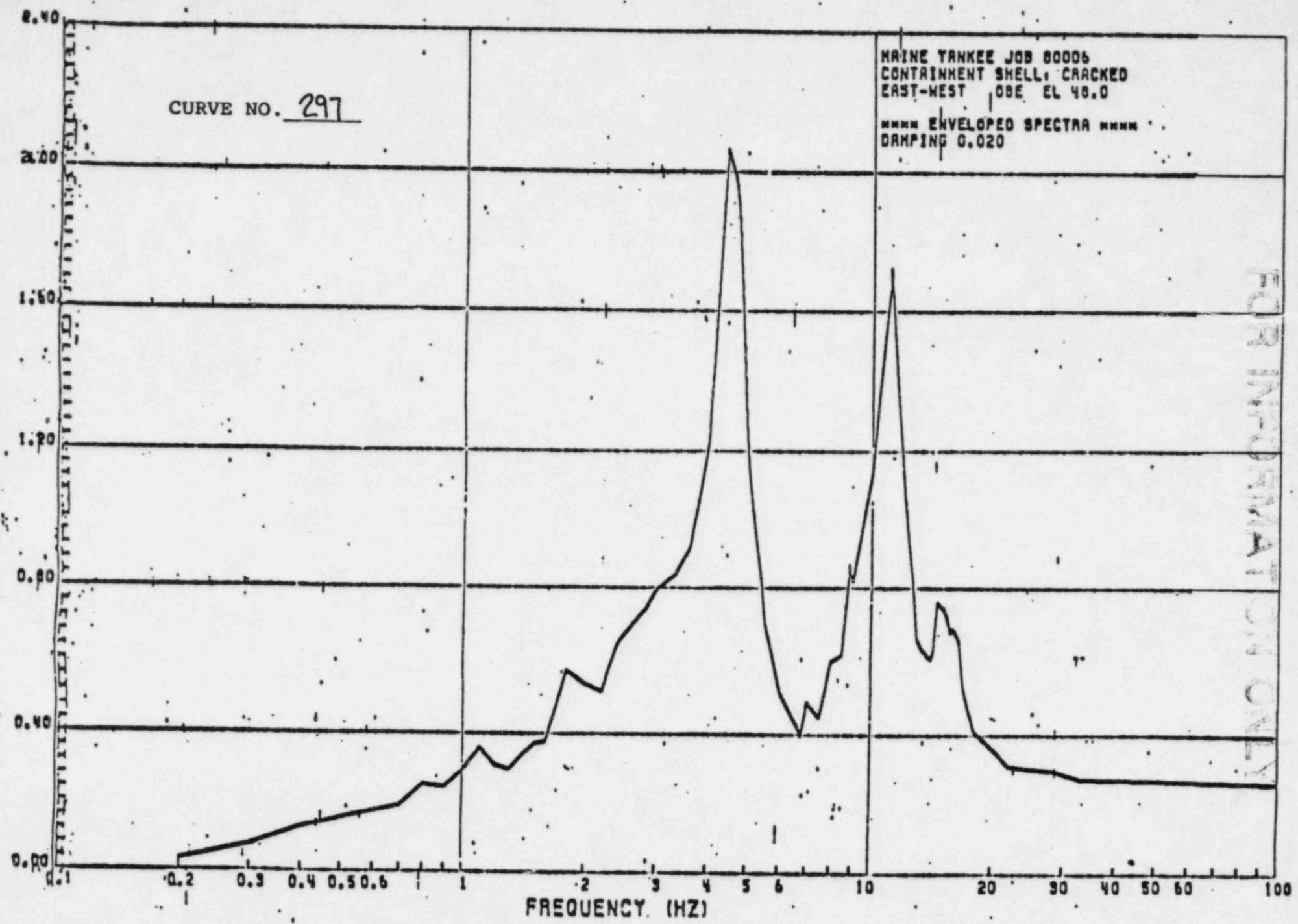
CURVE NO. 297

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST OBE EL 48.0

ENVELOPED SPECTRA
DAMPING 0.020

STRUCTURAL ACCELERATION (G)

FOR INFORMATION ONLY



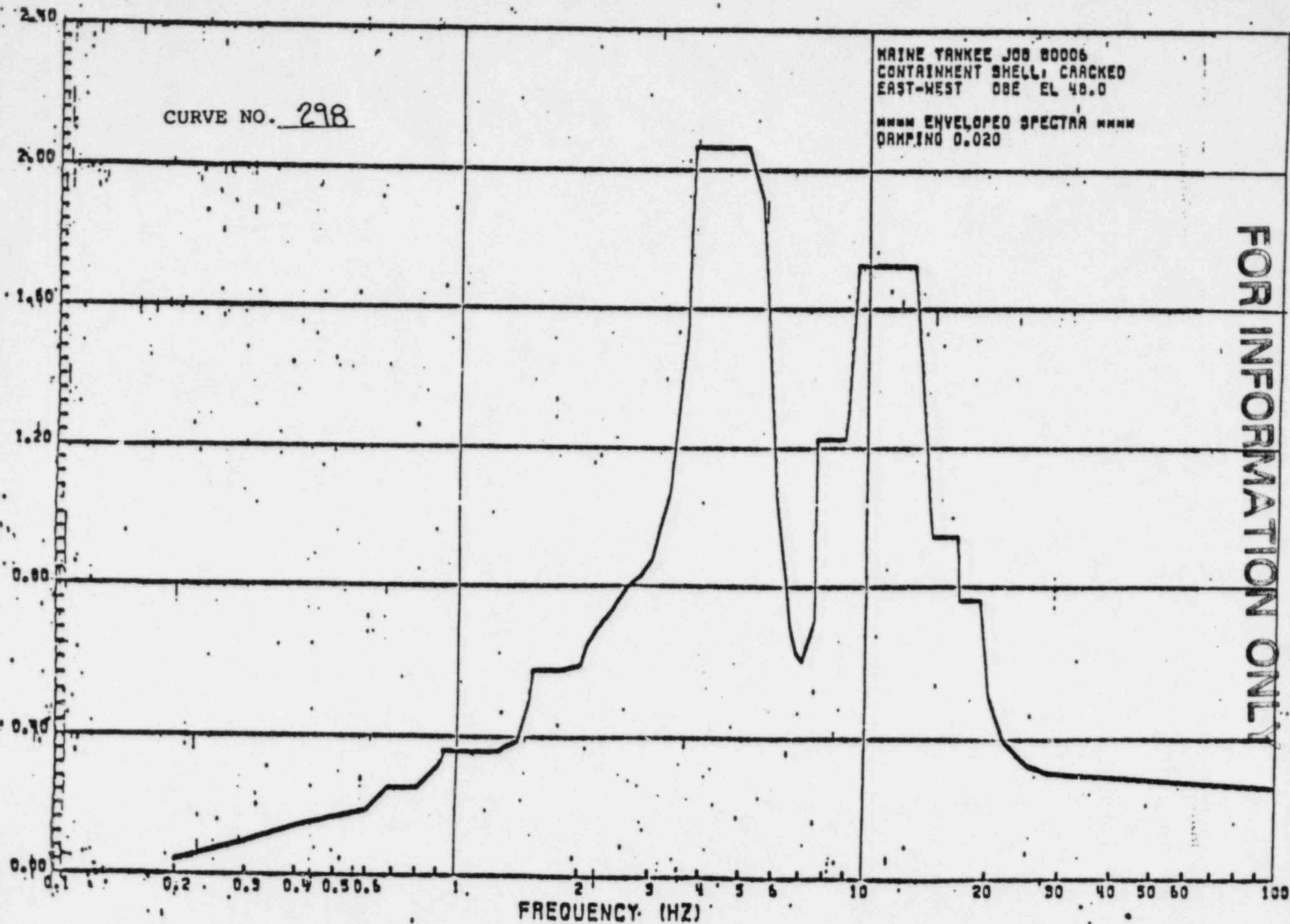
FE 2

CURVE NO. 298

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST OBE EL 48.0

*** ENVELOPED SPECTRA ***
DAMPING 0.020

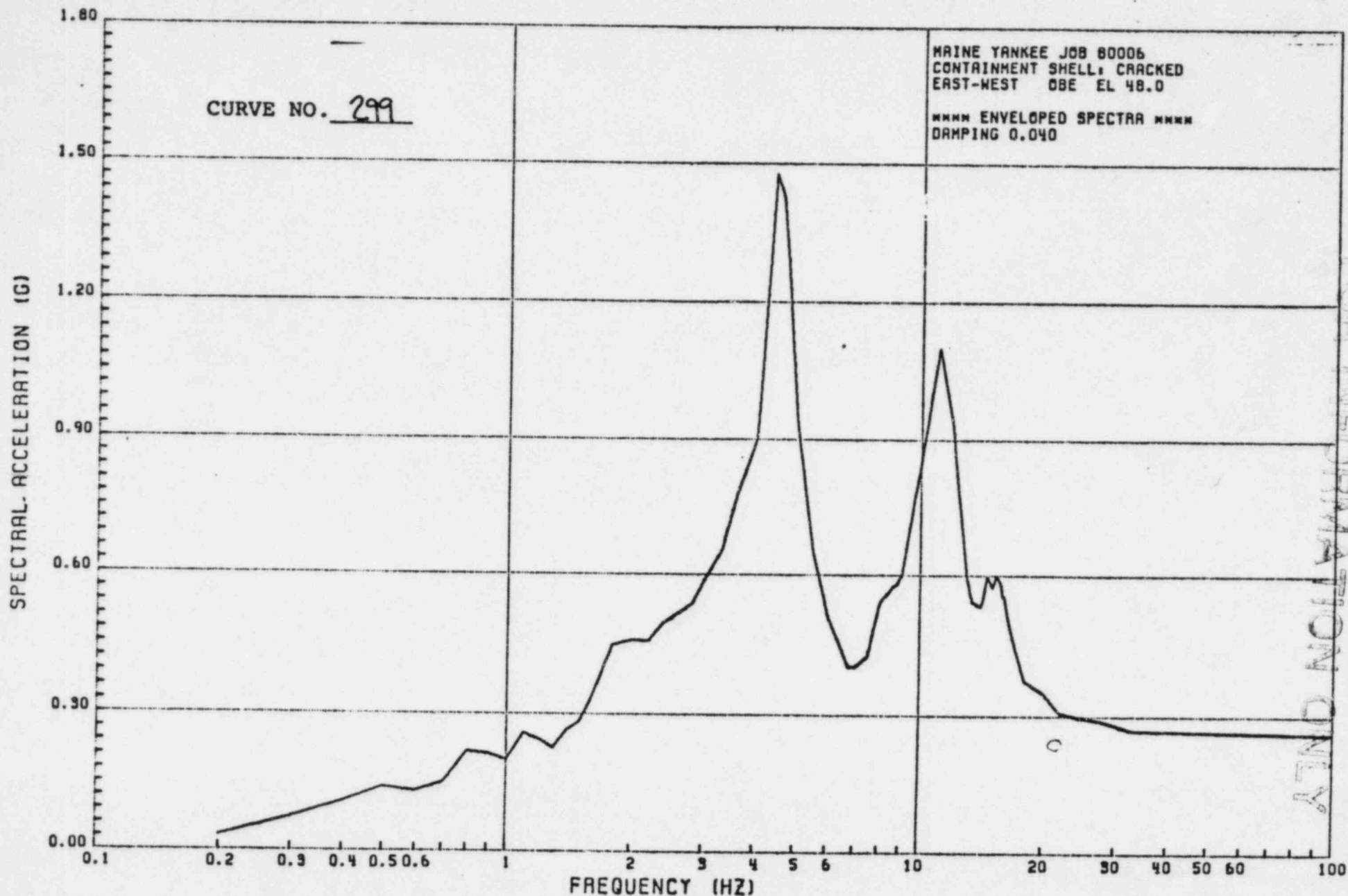
FOR INFORMATION ONLY



EES

CURVE NO. 299

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST OBE EL 48.0
**** ENVELOPED SPECTRA ****
DAMPING 0.040



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

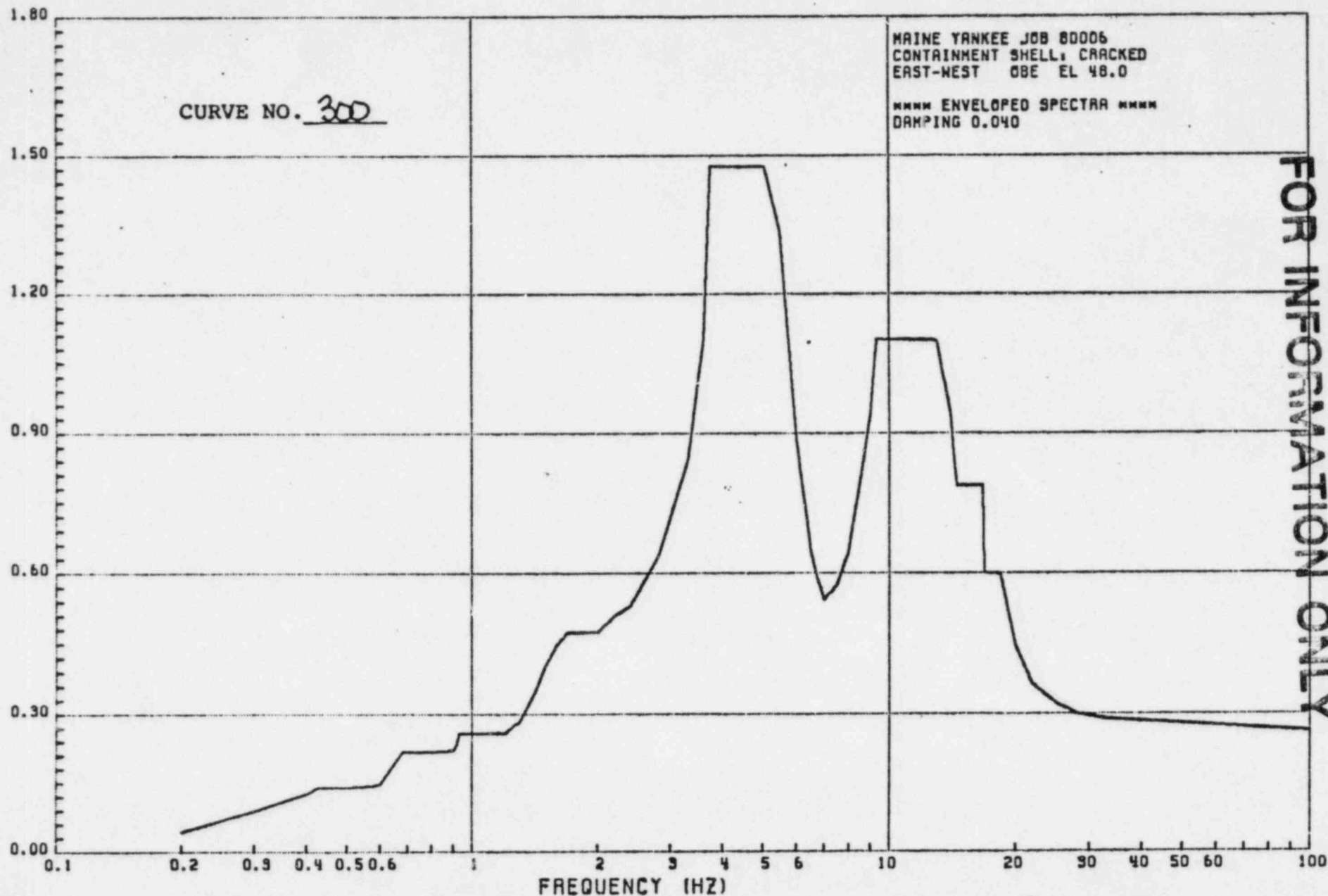
CURVE NO. 300

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST OBE EL 48.0

**** ENVELOPED SPECTRA ****
DAMPING 0.040

SPECTRAL ACCELERATION (G)

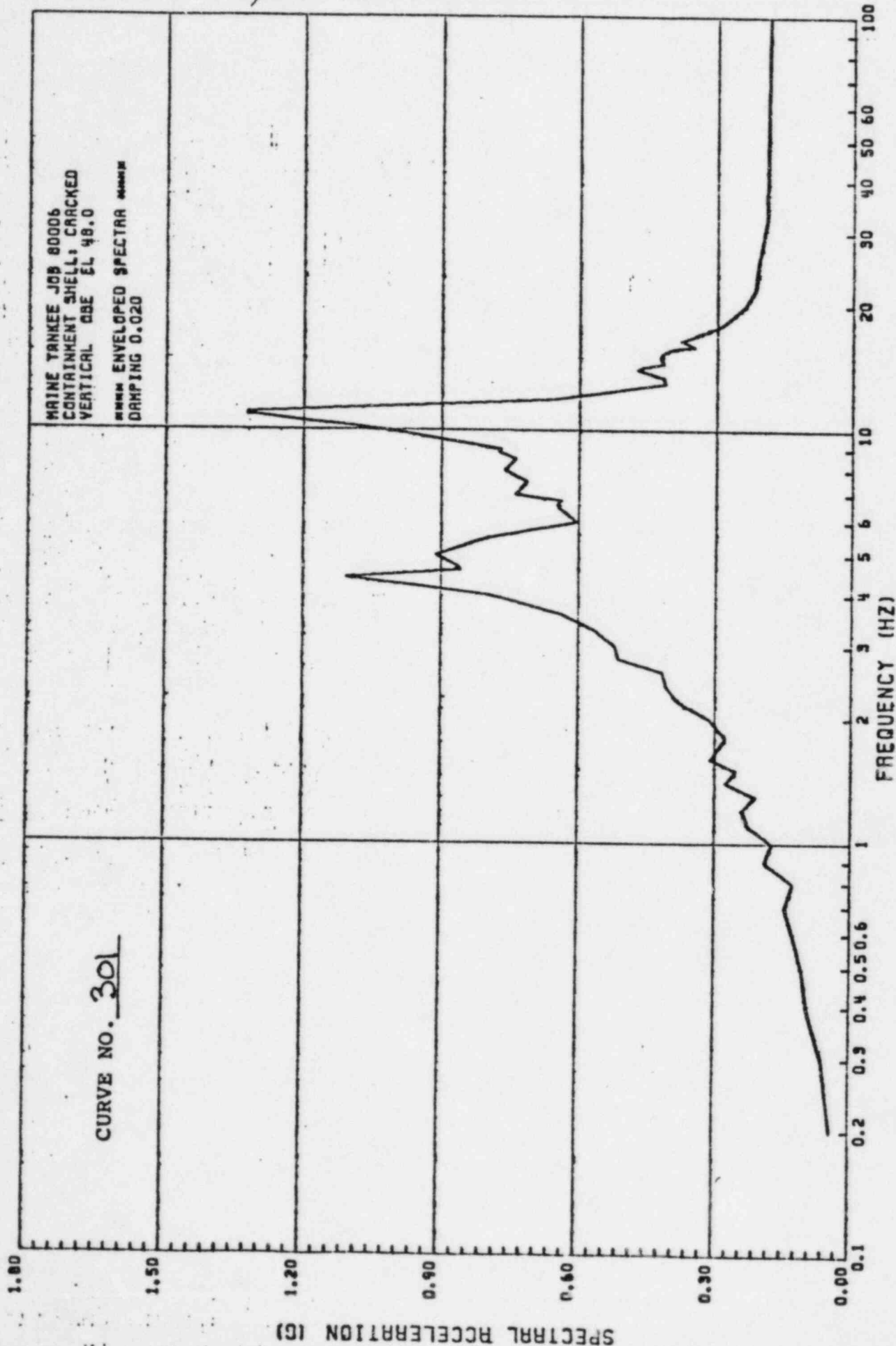
FOR INFORMATION ONLY



EARTHQUAKE ENGINEERING SYSTEMS

EES NPF-1 L07

CURVE NO. 301

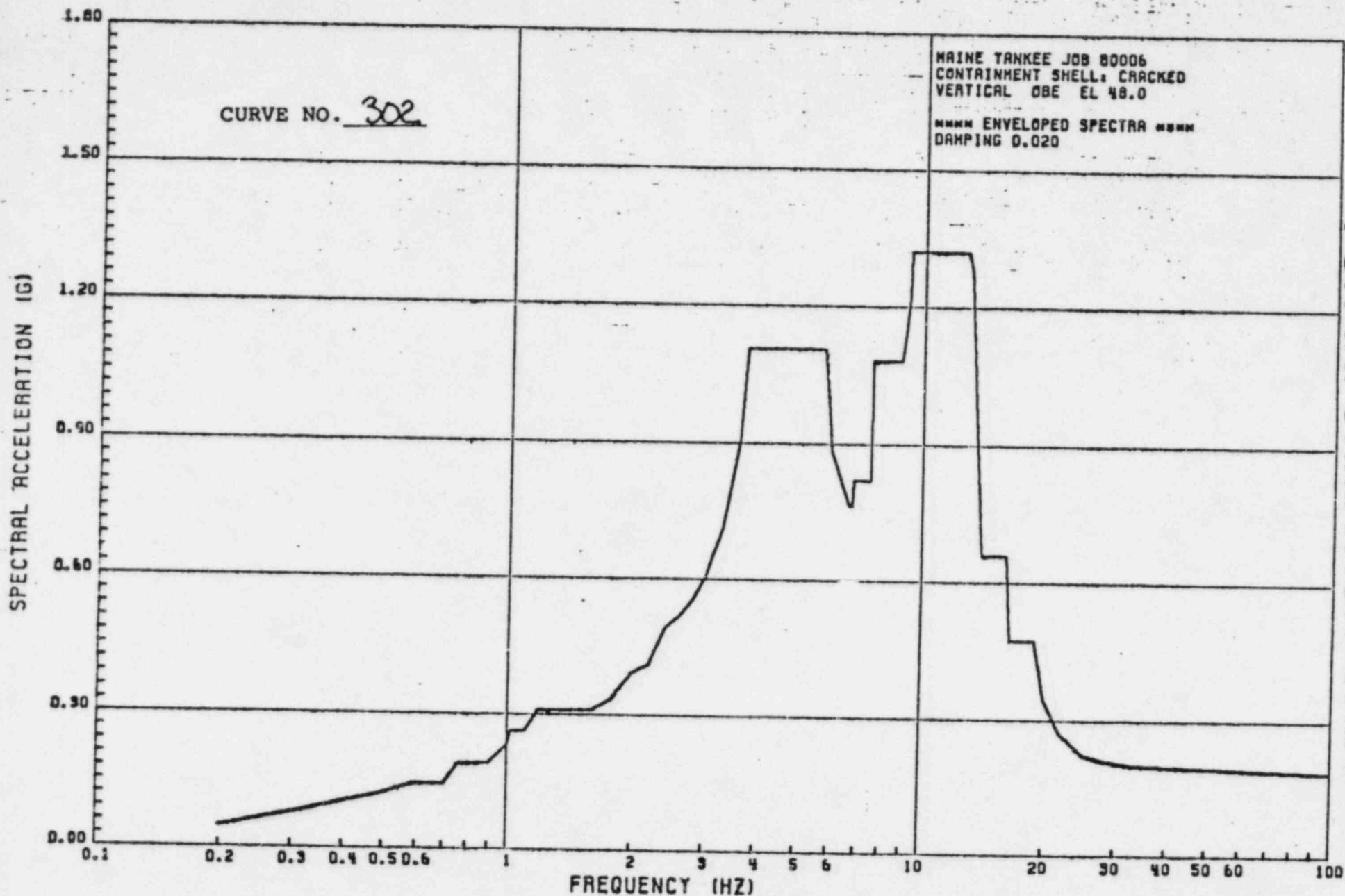


EARTHQUAKE ENGINEERING SYSTEMS

EES NPF 1 L08

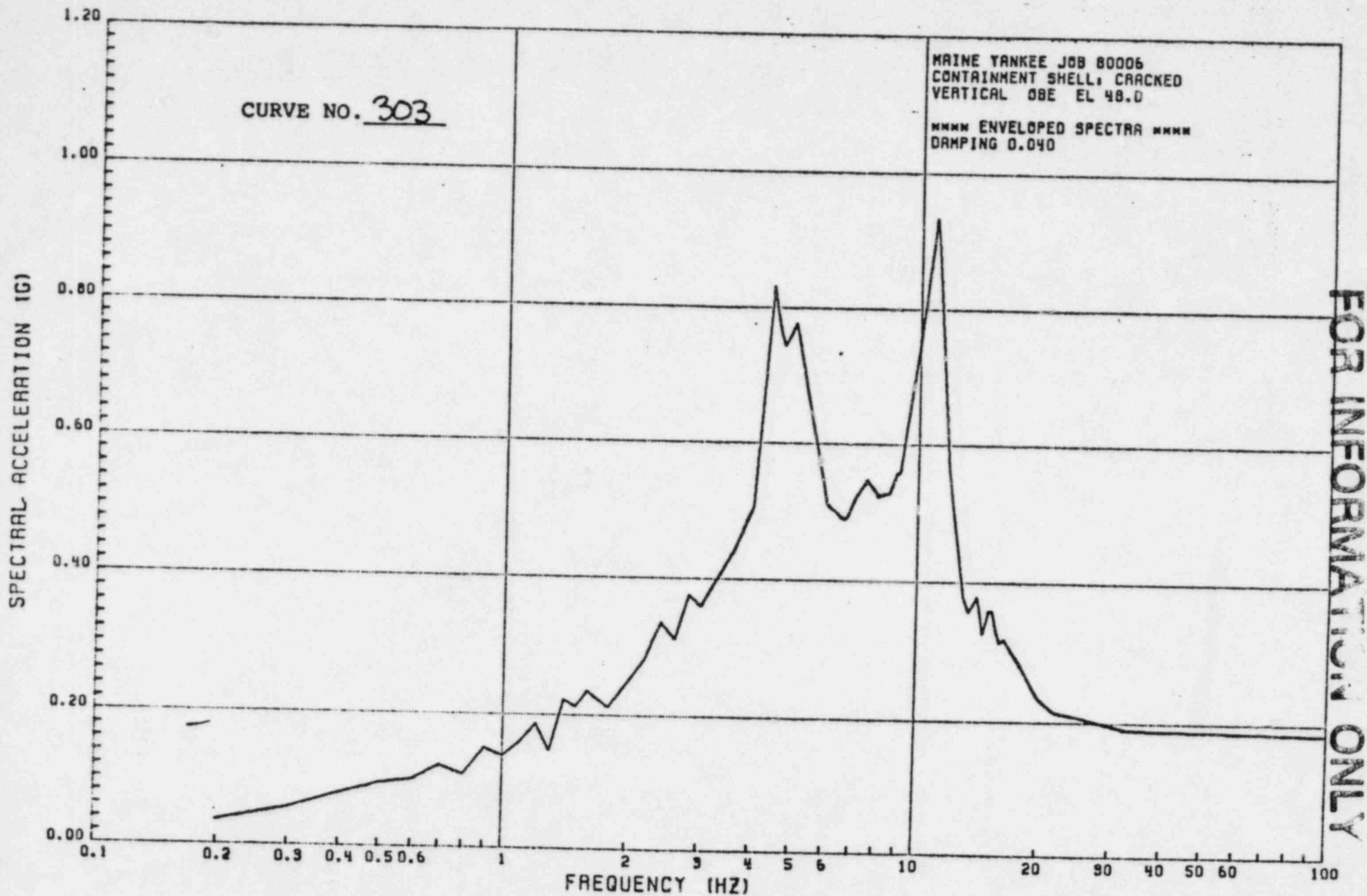
CURVE NO. 302

MAINE TANKEE JOB 80006
CONTAINMENT SHELL: CRACKED
VERTICAL OBE EL 48.0
ENVELOPED SPECTRA
DAMPING 0.020



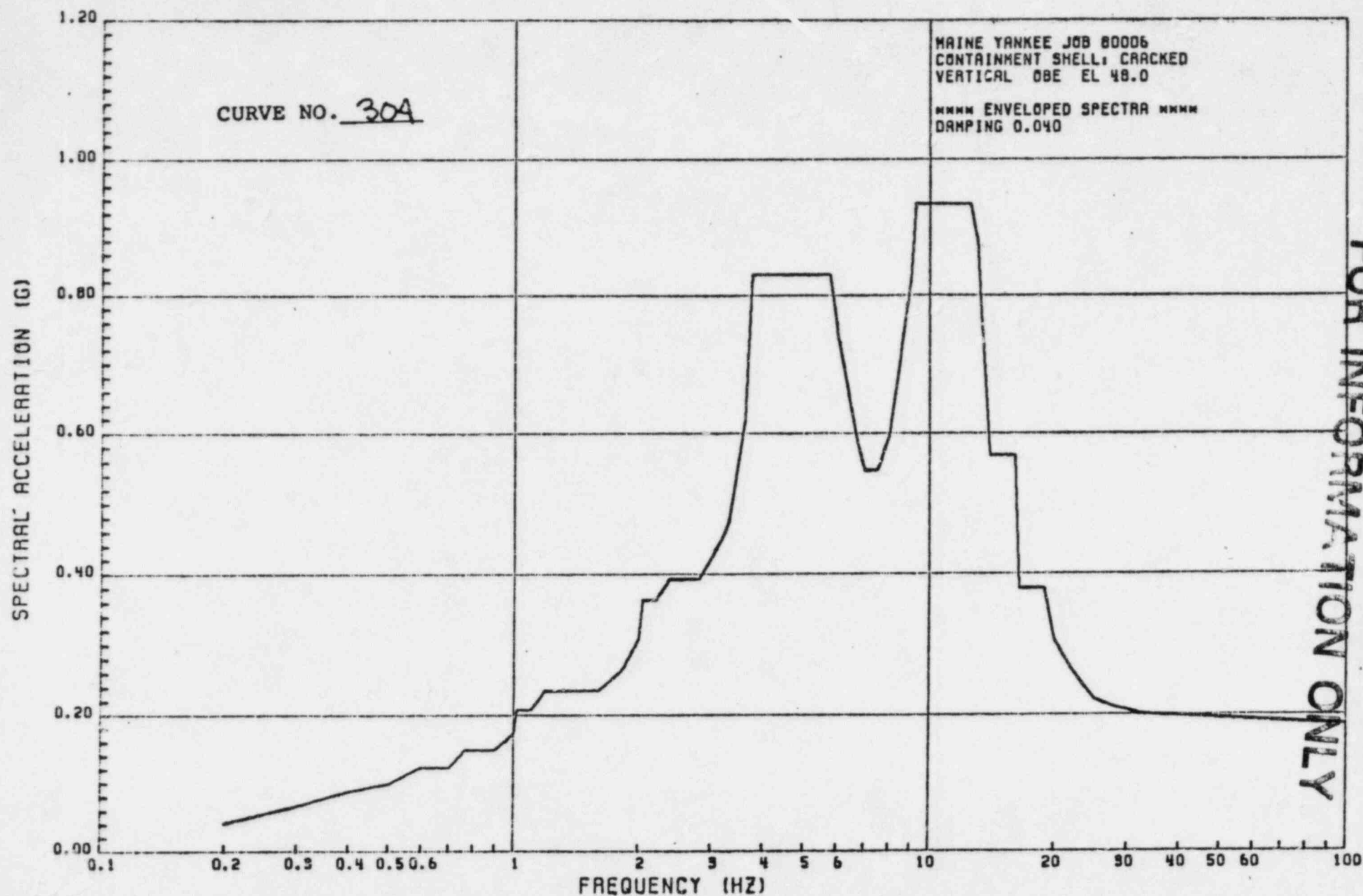
FOR INFORMATION ONLY

ELS



EARTHQUAKE ENGINEERING SYSTEMS

EES



EARTHQUAKE ENGINEERING SYSTEMS

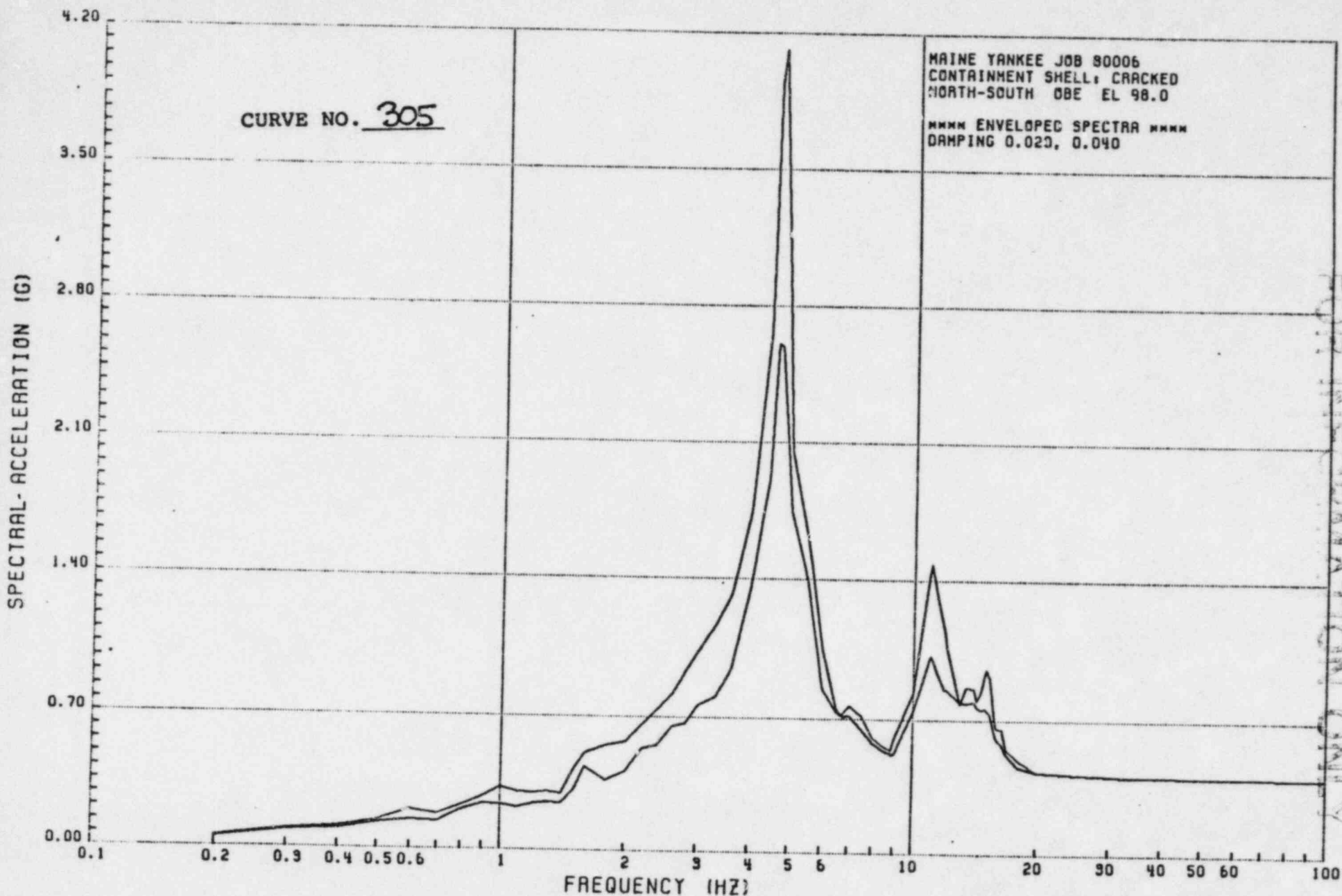
EES

CURVE NO. 305

MAINE YANKEE JOB 80006
CONTAINMENT SHELL: CRACKED
NORTH-SOUTH OBE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040

FOR INFORMATION ONLY



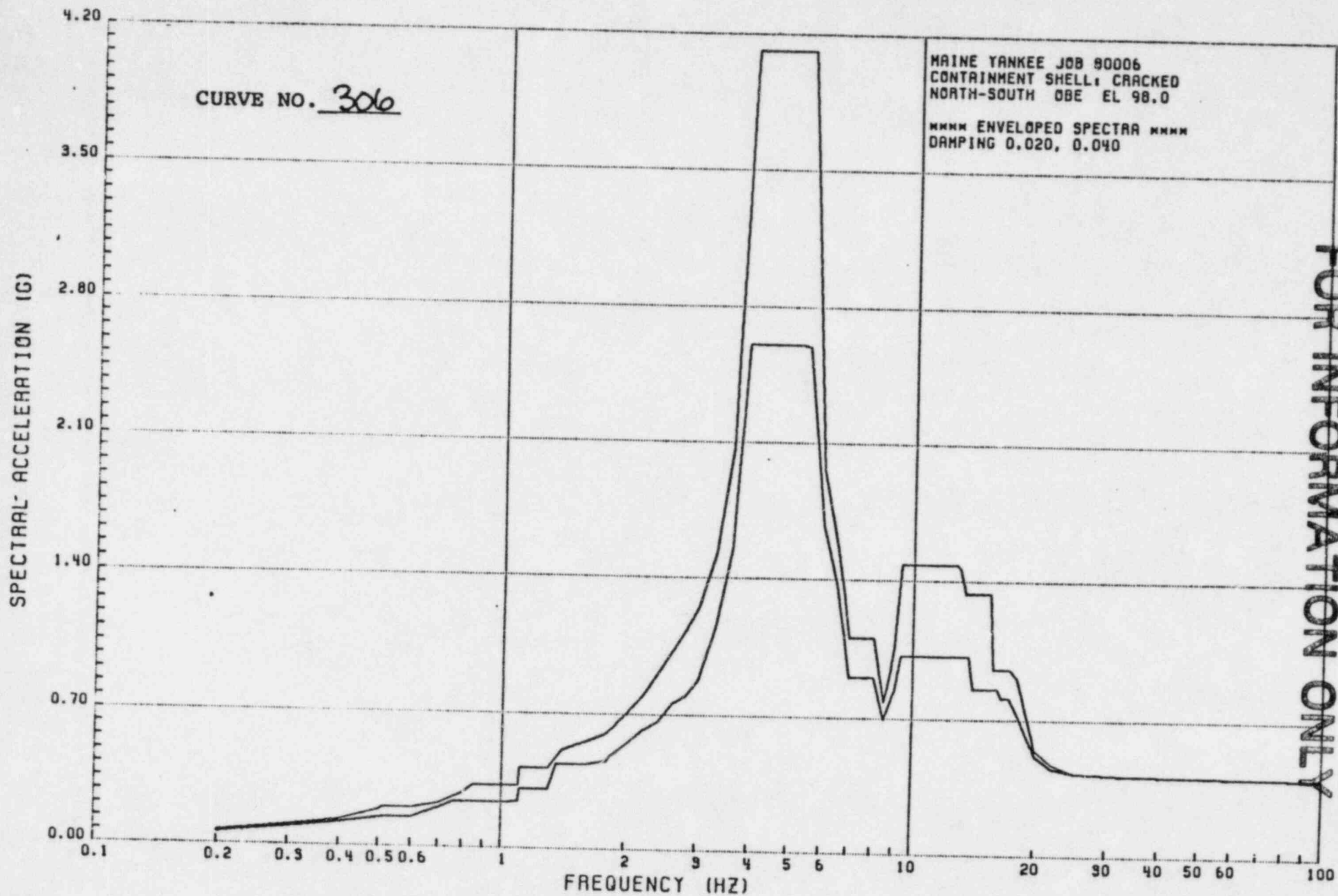
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 306

MAINE YANKEE JOB 90006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH OBE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040



FOR INFORMATION ONLY

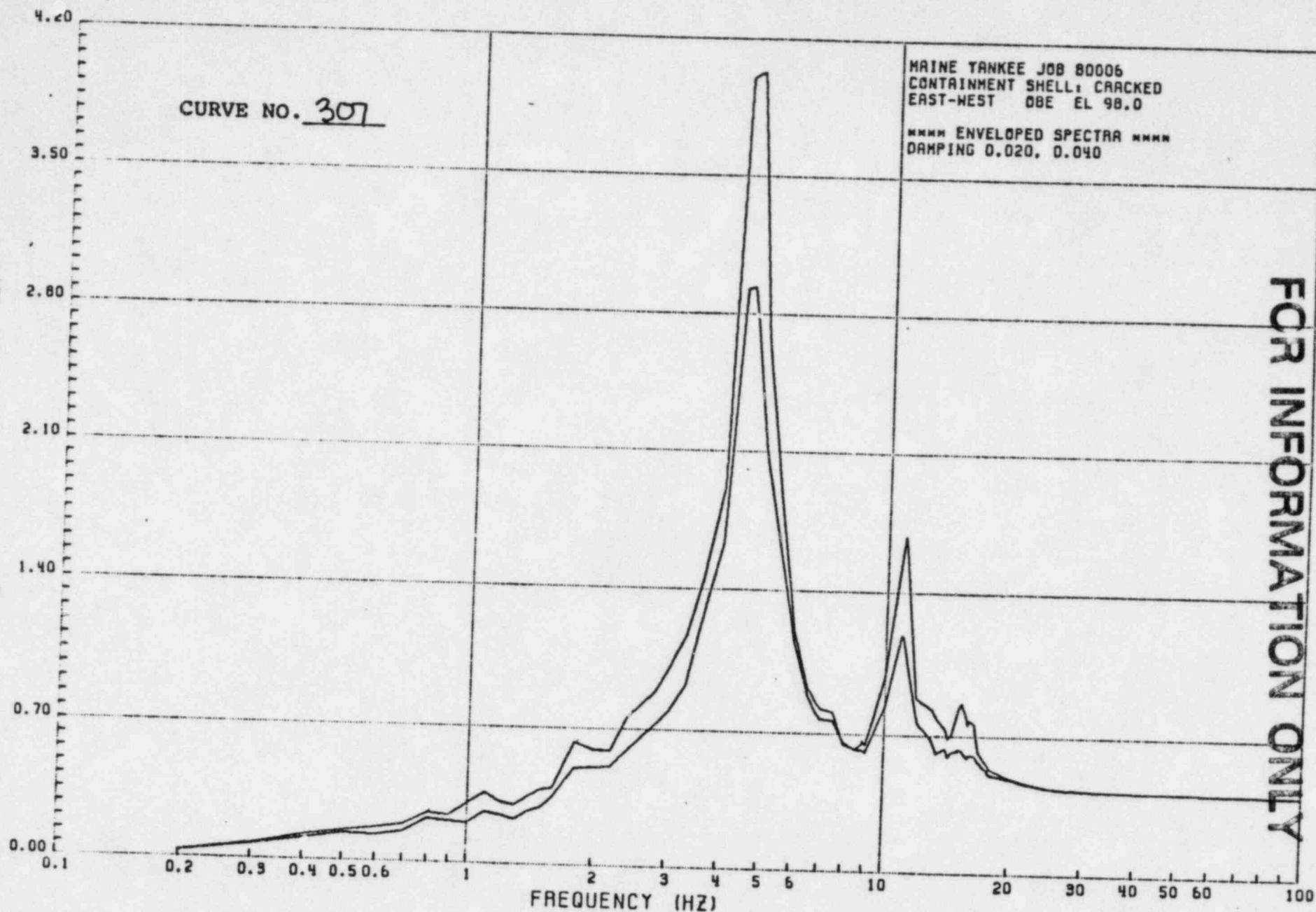
EES

CURVE NO. 307

MAINE TANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST DBE EL 98.0

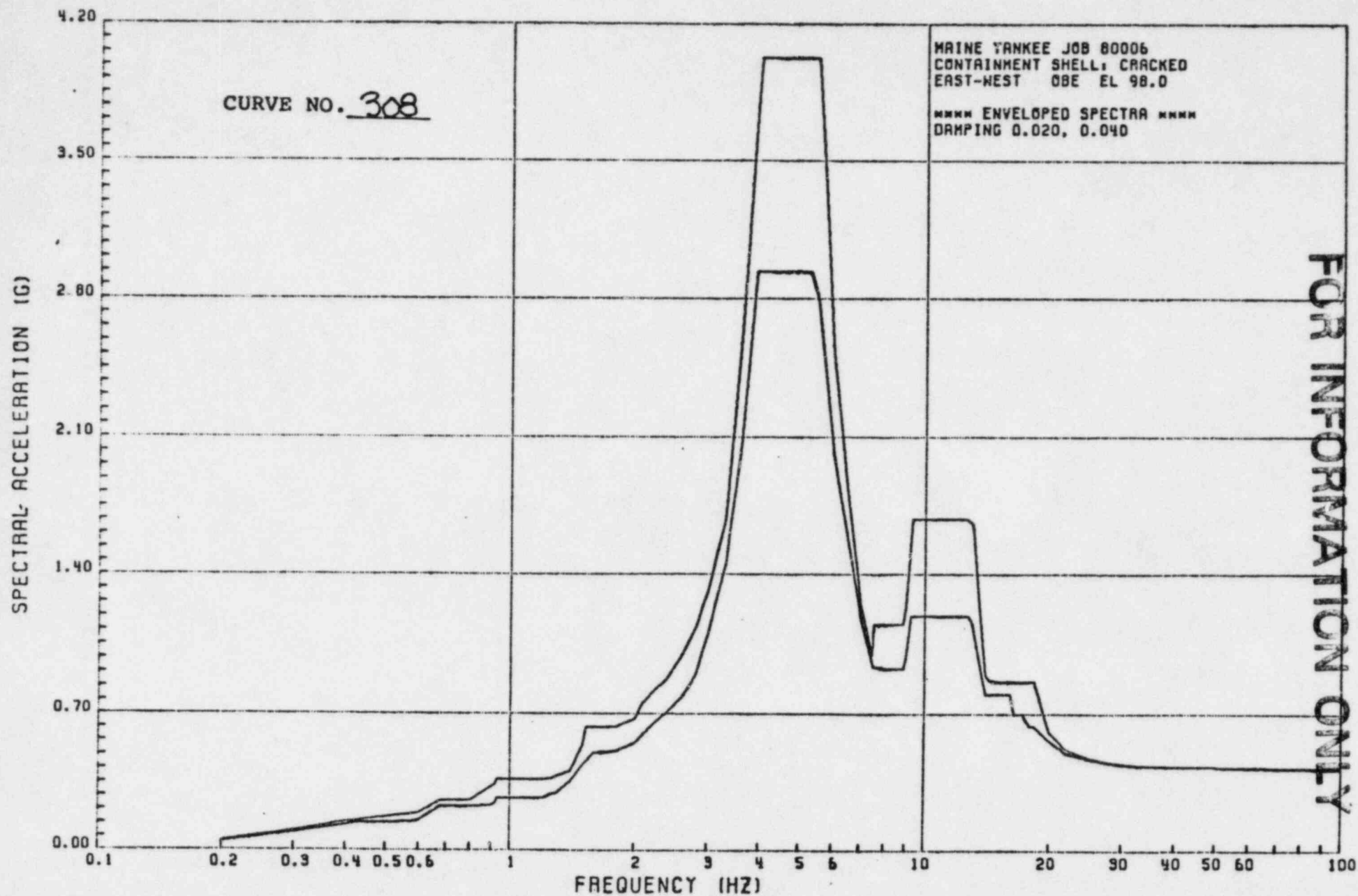
**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

EES



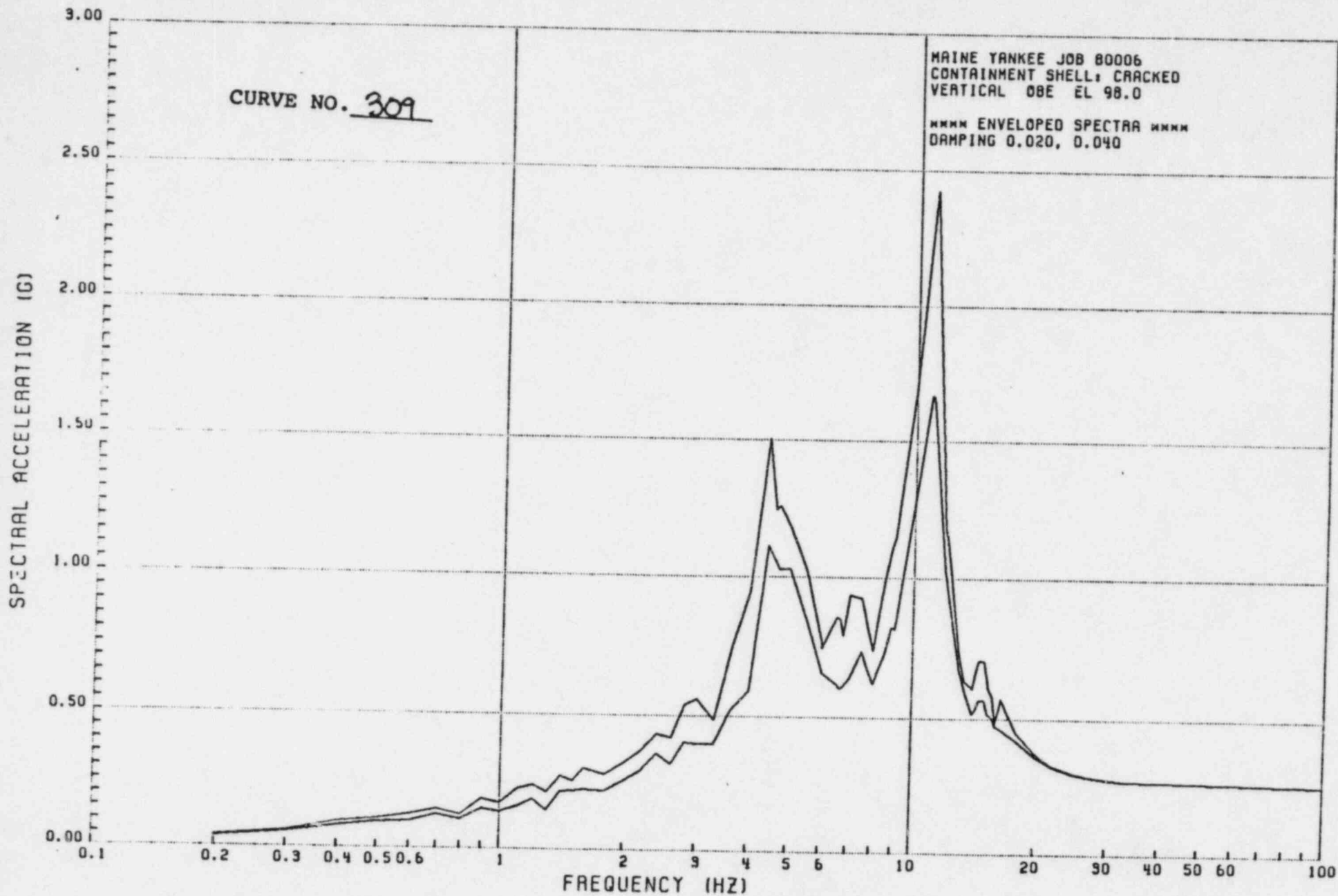
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 309

MAINE YANKEE JOB 80006
CONTAINMENT SHELL: CRACKED
VERTICAL OBE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040



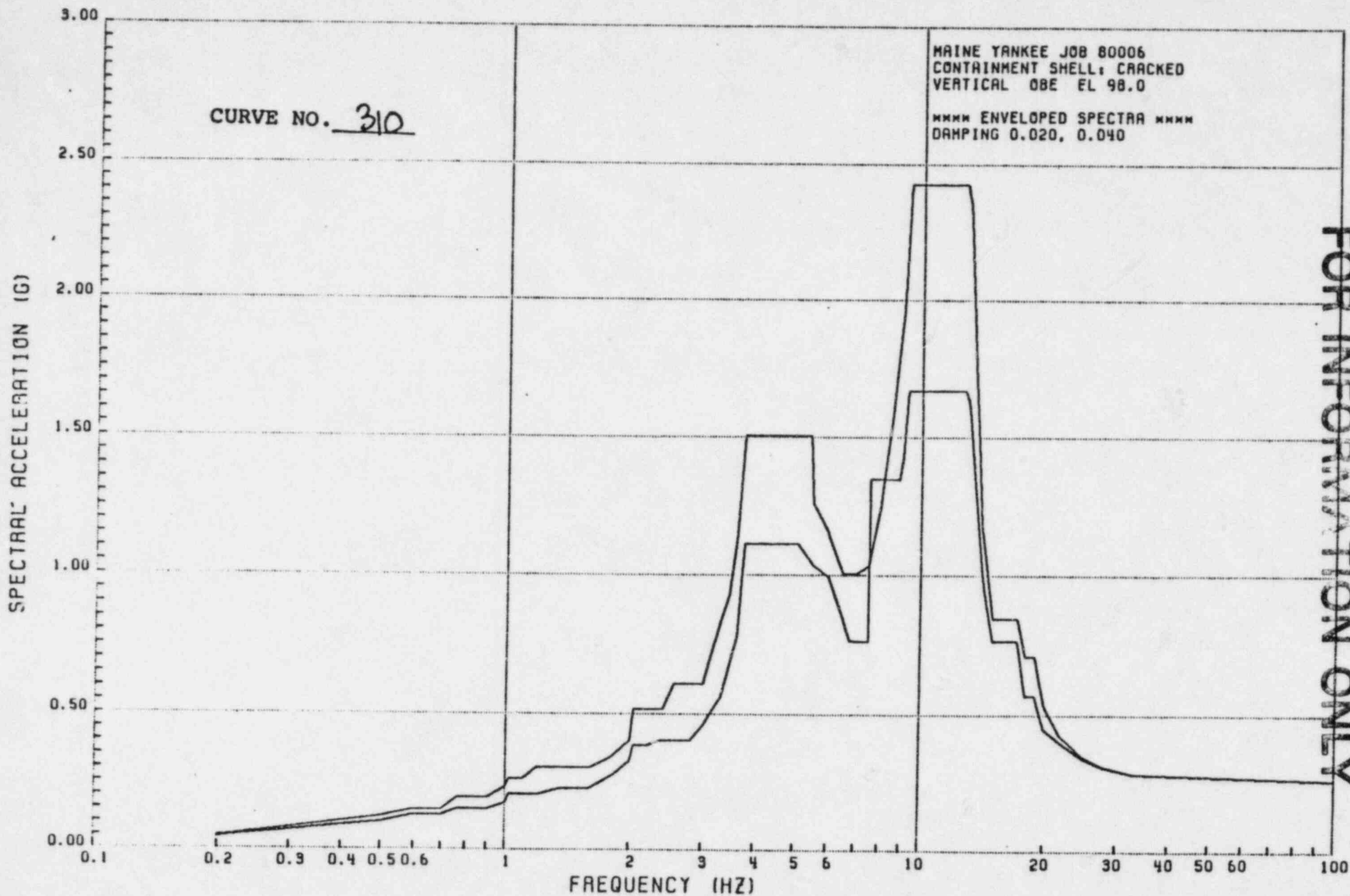
FOR INFORMATION ONLY

EES

CURVE NO. 310

MAINE YANKEE JOB 80006
CONTAINMENT SHELL: CRACKED
VERTICAL OBE EL 98.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040



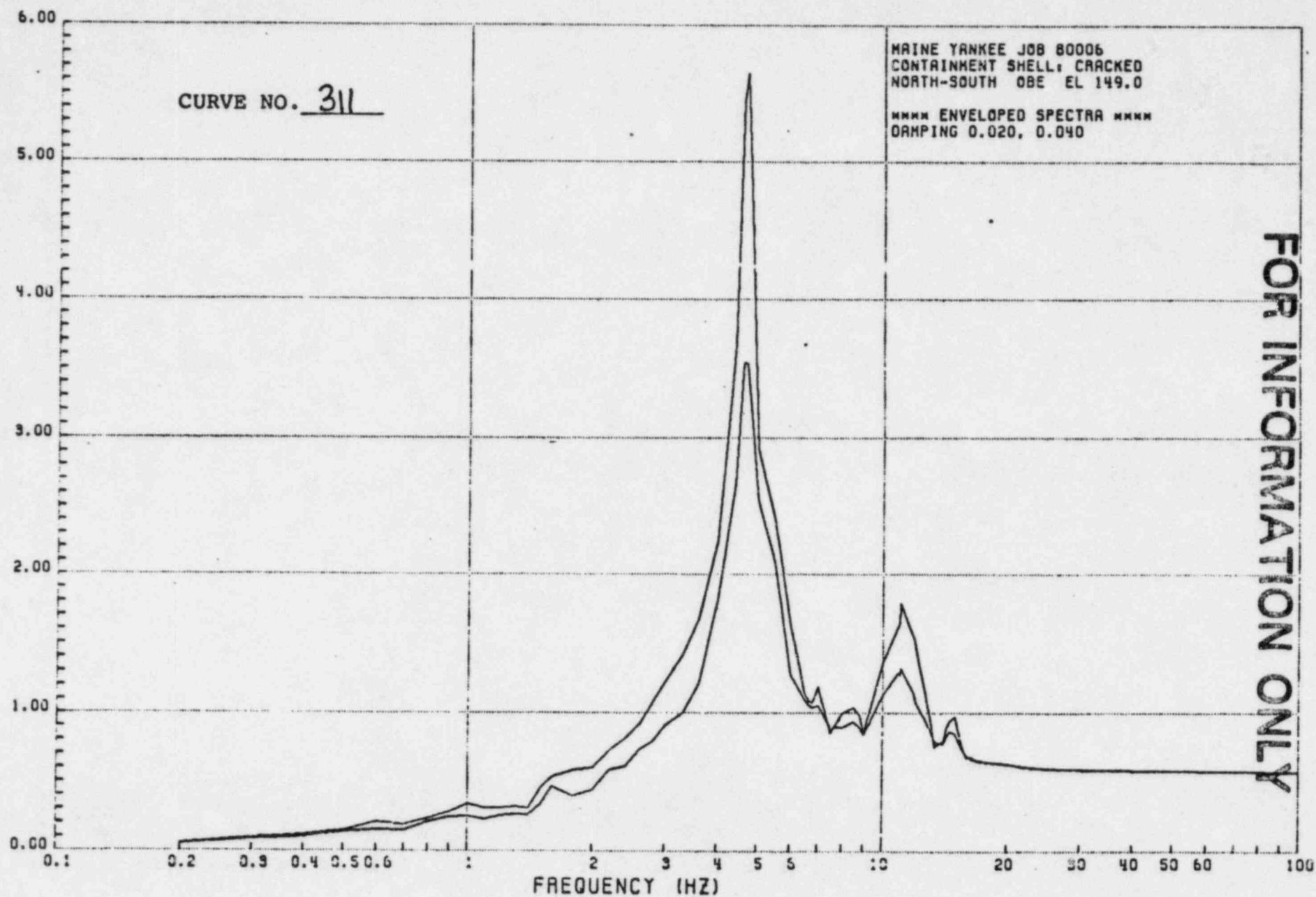
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 311

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH OBE EL 149.0
**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040

SPECTRAL ACCELERATION (G)

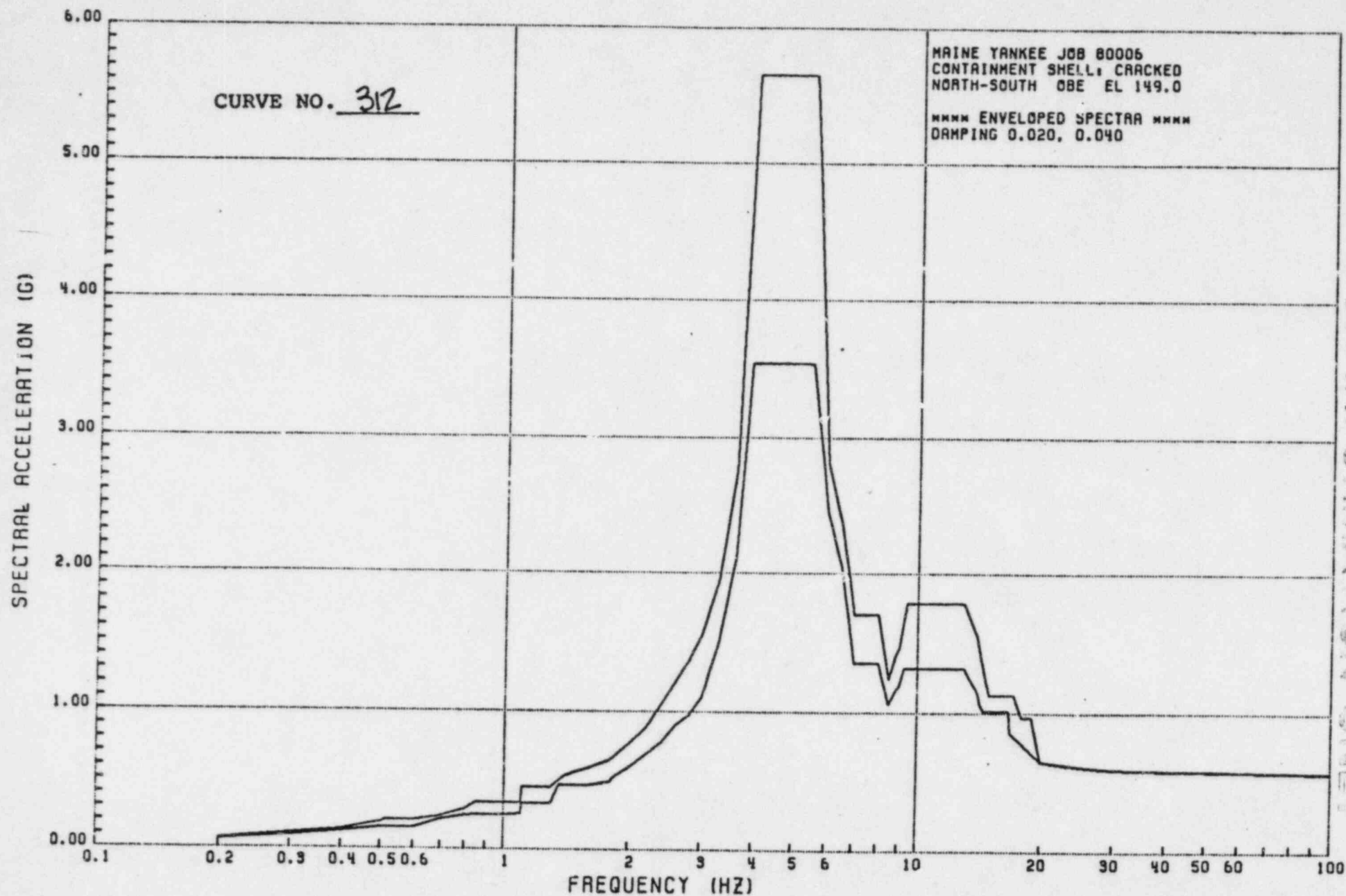


EES

CURVE NO. 312

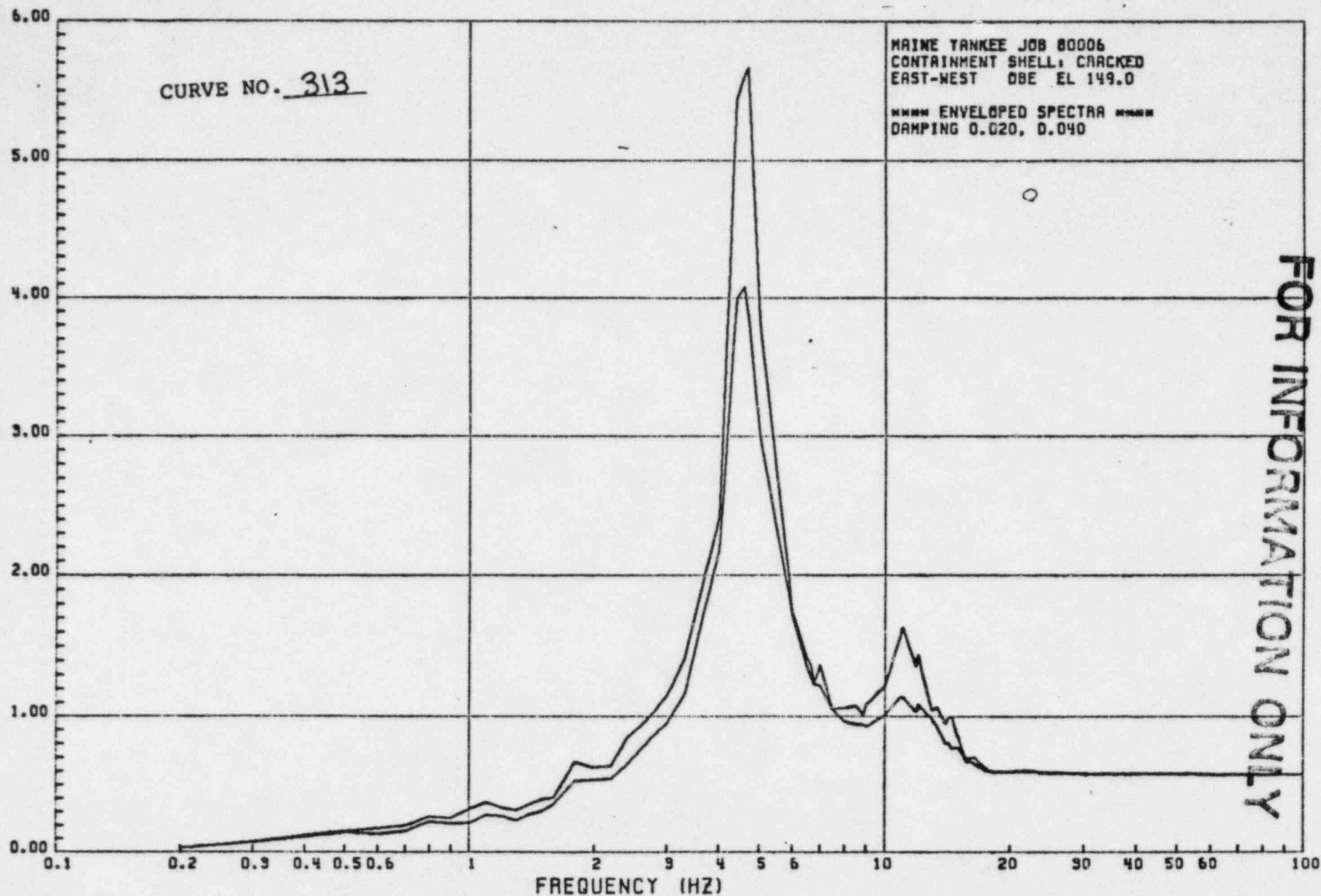
MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
NORTH-SOUTH OBE EL 149.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040



FOR INFORMATION ONLY

EES

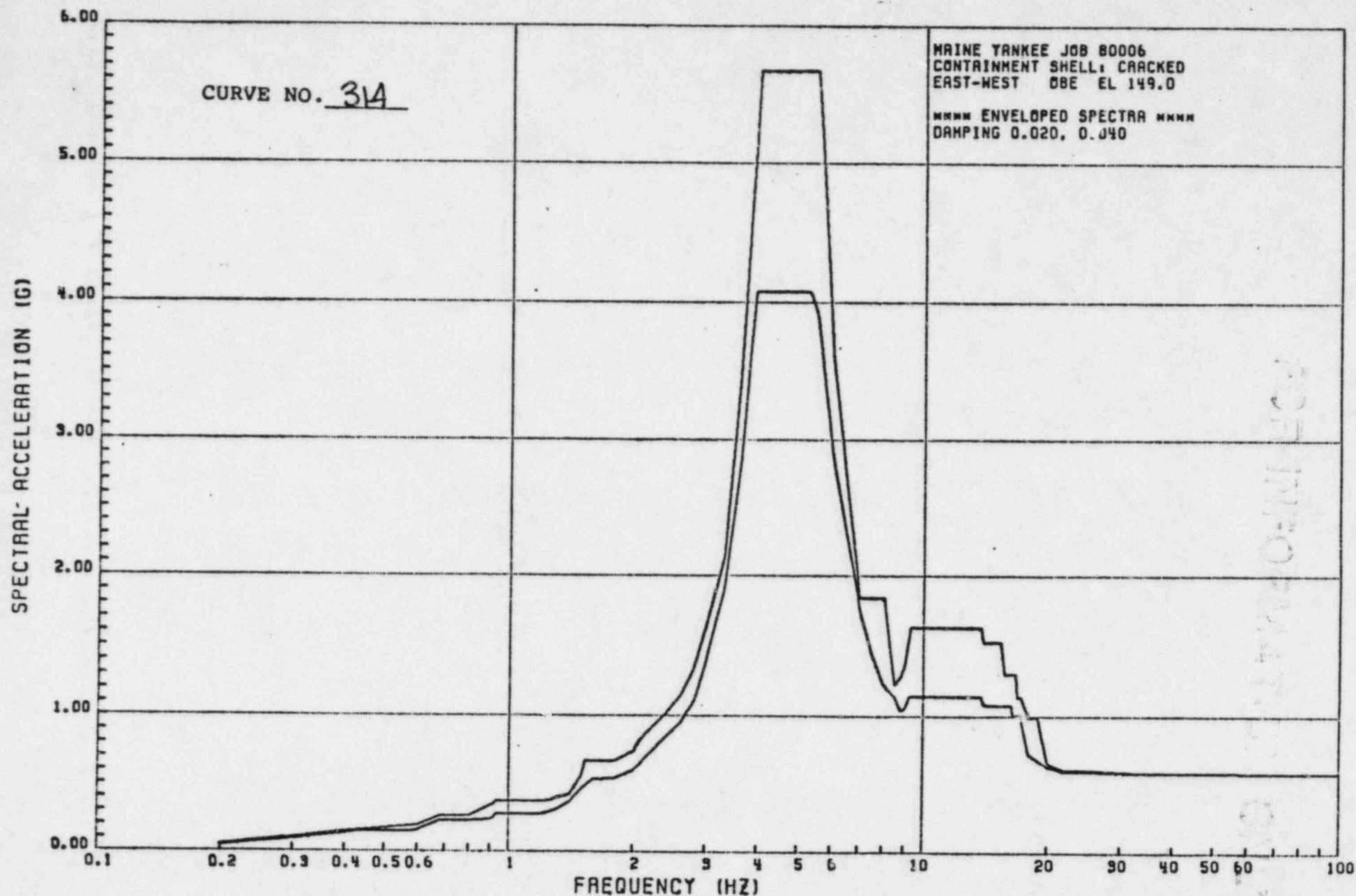


EES

CURVE NO. 314

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
EAST-WEST 08E EL 149.0

ENVELOPED SPECTRA
DAMPING 0.020, 0.040



EARTHQUAKE ENGINEERING SYSTEMS

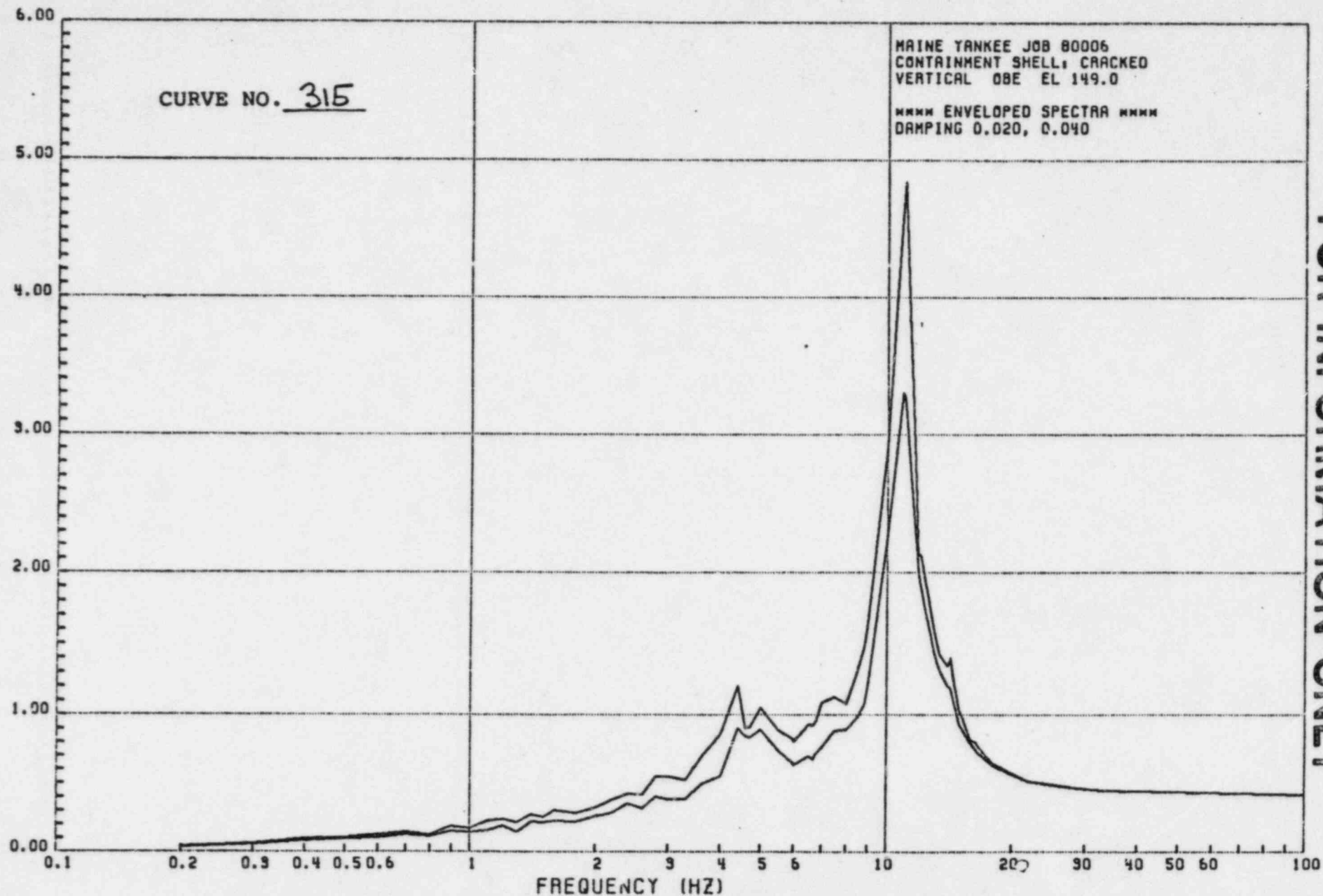
EES

CURVE NO. 315

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL DBE EL 149.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

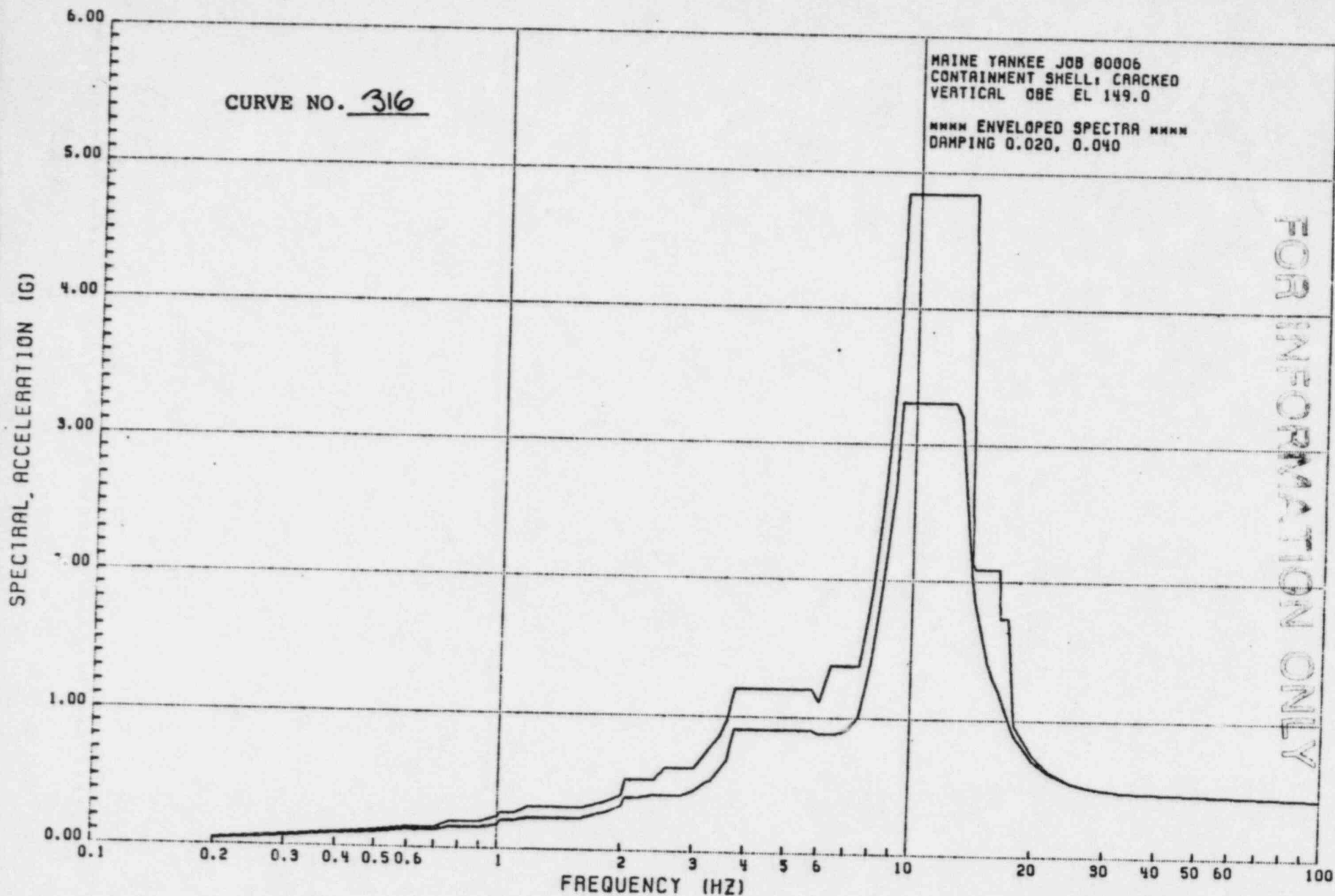
EES

CURVE NO. 316

MAINE YANKEE JOB 80006
CONTAINMENT SHELL, CRACKED
VERTICAL DBE EL 149.0

**** ENVELOPED SPECTRA ****
DAMPING 0.020, 0.040

FOR INFORMATION ONLY



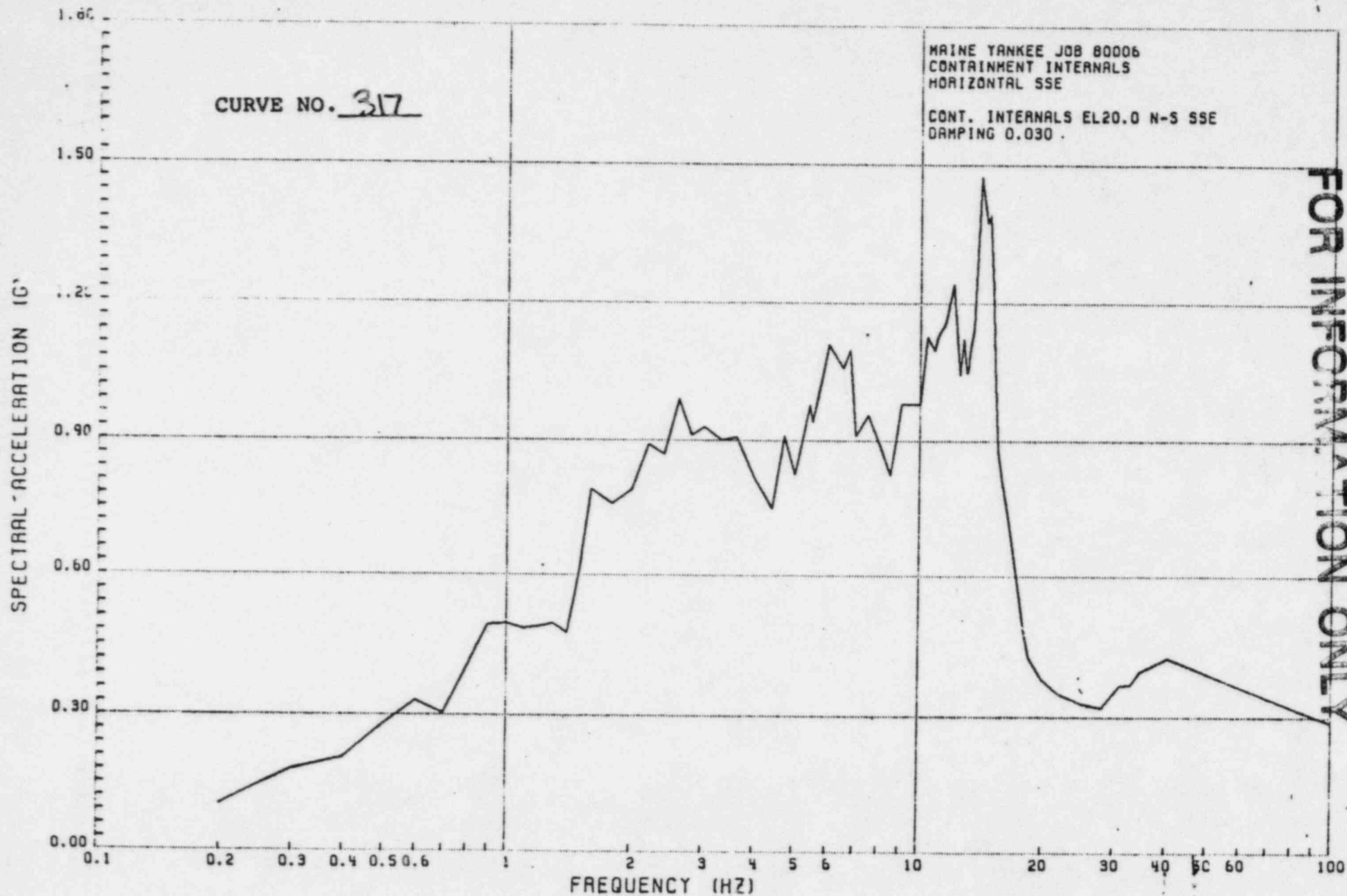
EES

CURVE NO. 317

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

CONT. INTERNALS EL20.0 N-S SSE
DAMPING 0.030 .

FOR INFORMATION ONLY



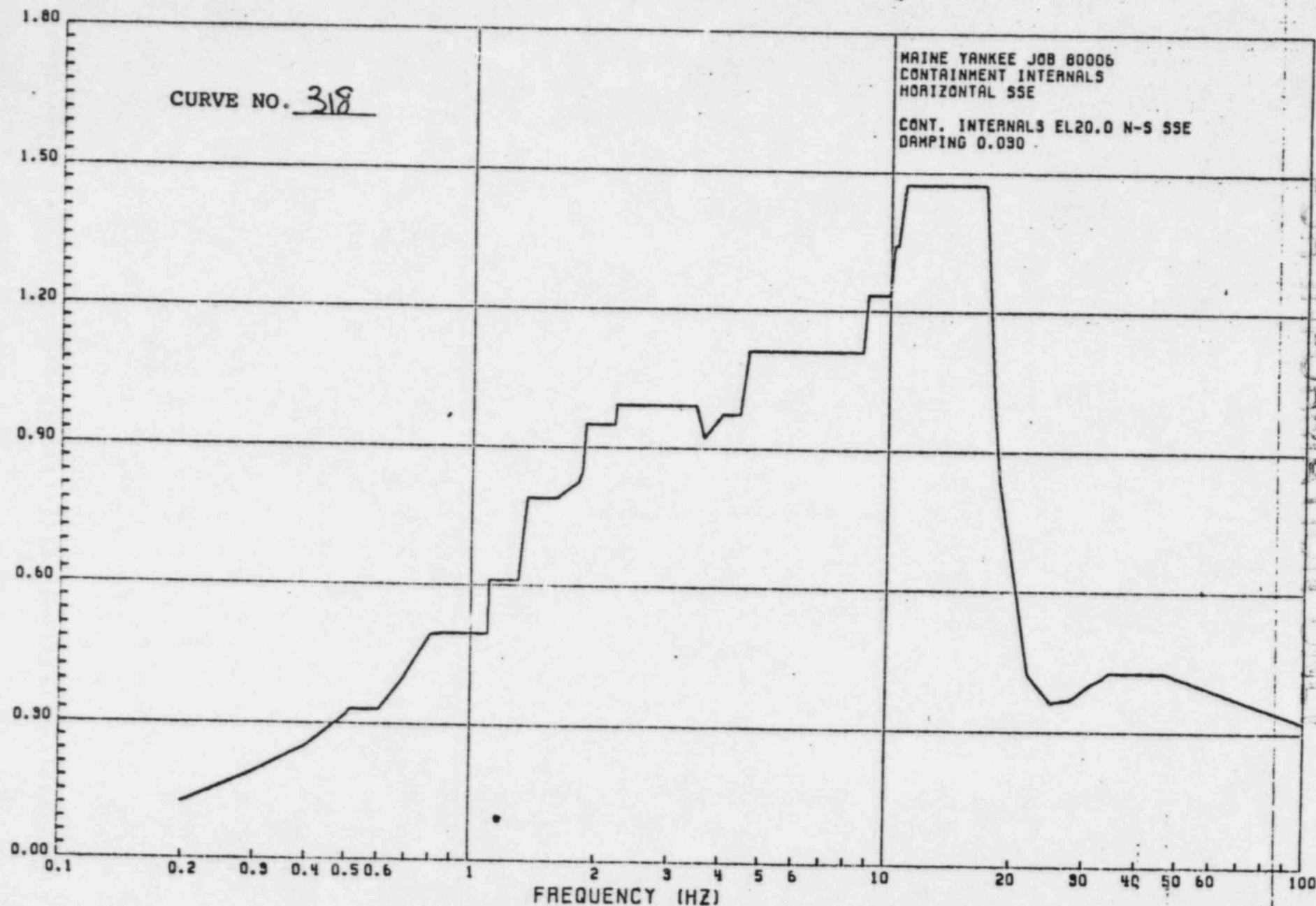
EES

CURVE NO. 318

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

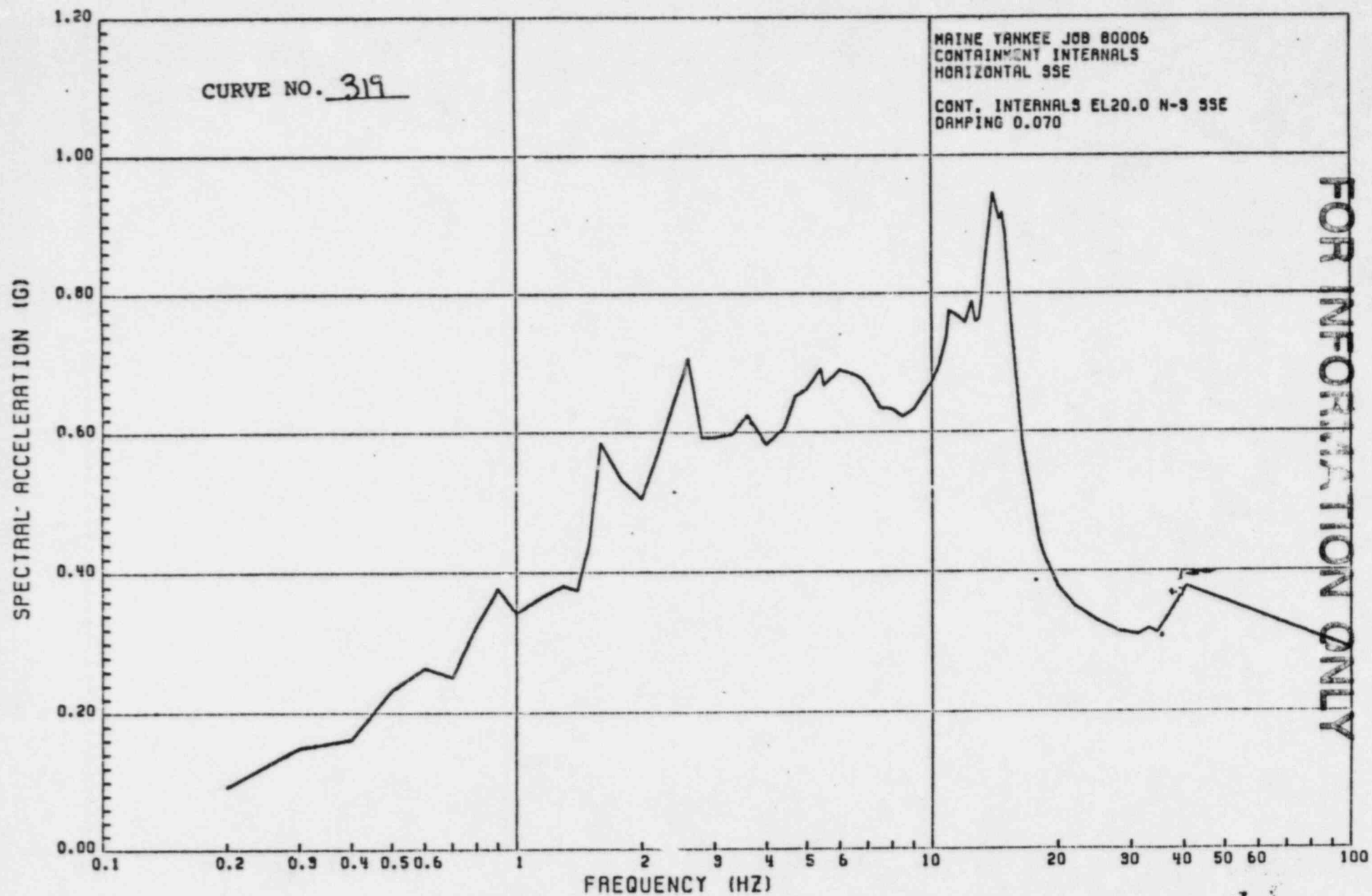
CONT. INTERNALS EL20.0 N-S SSE
DAMPING 0.030

SPECTRAL ACCELERATION (G)

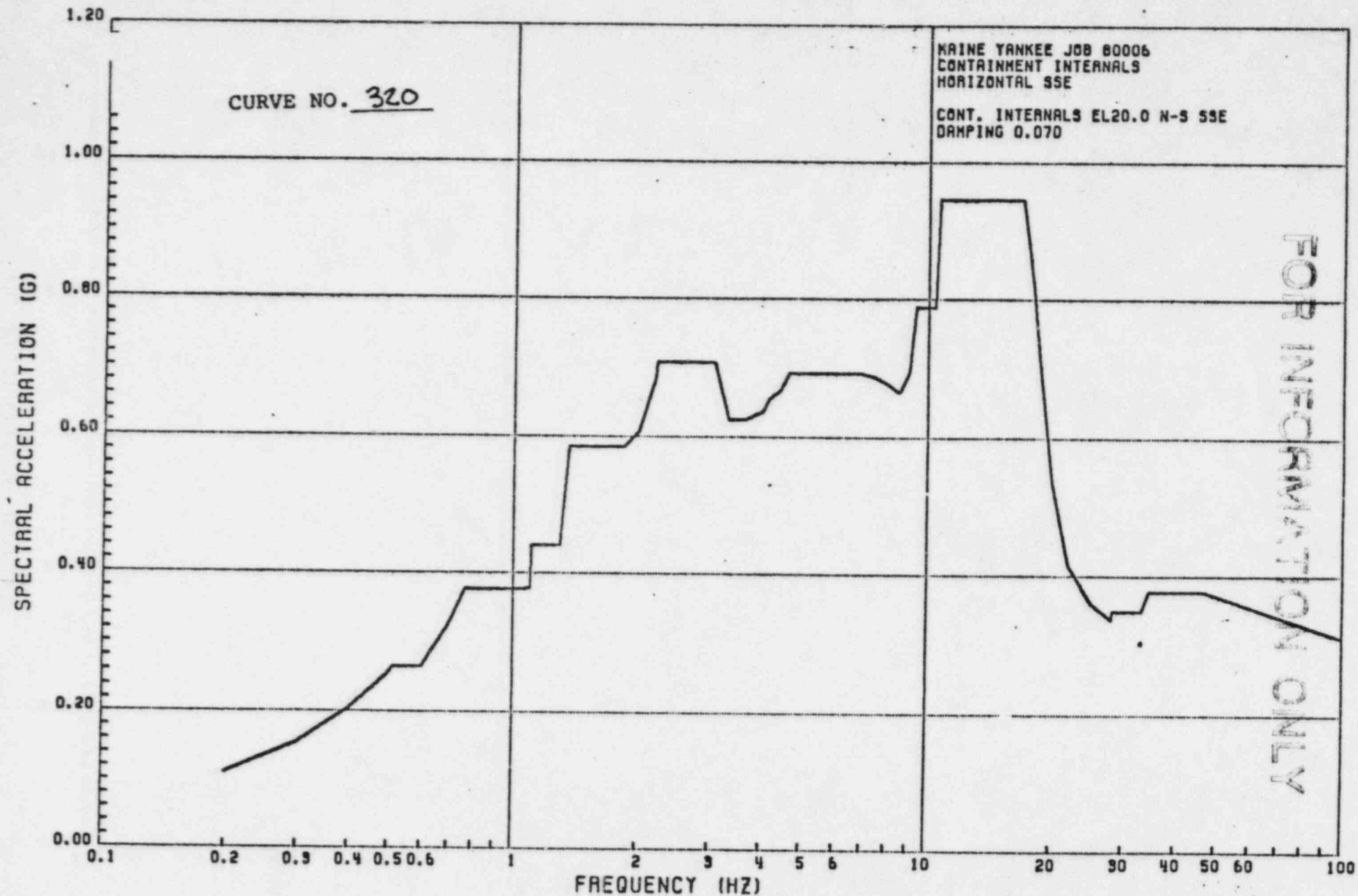


EARTHQUAKE ENGINEERING SYSTEMS

EES



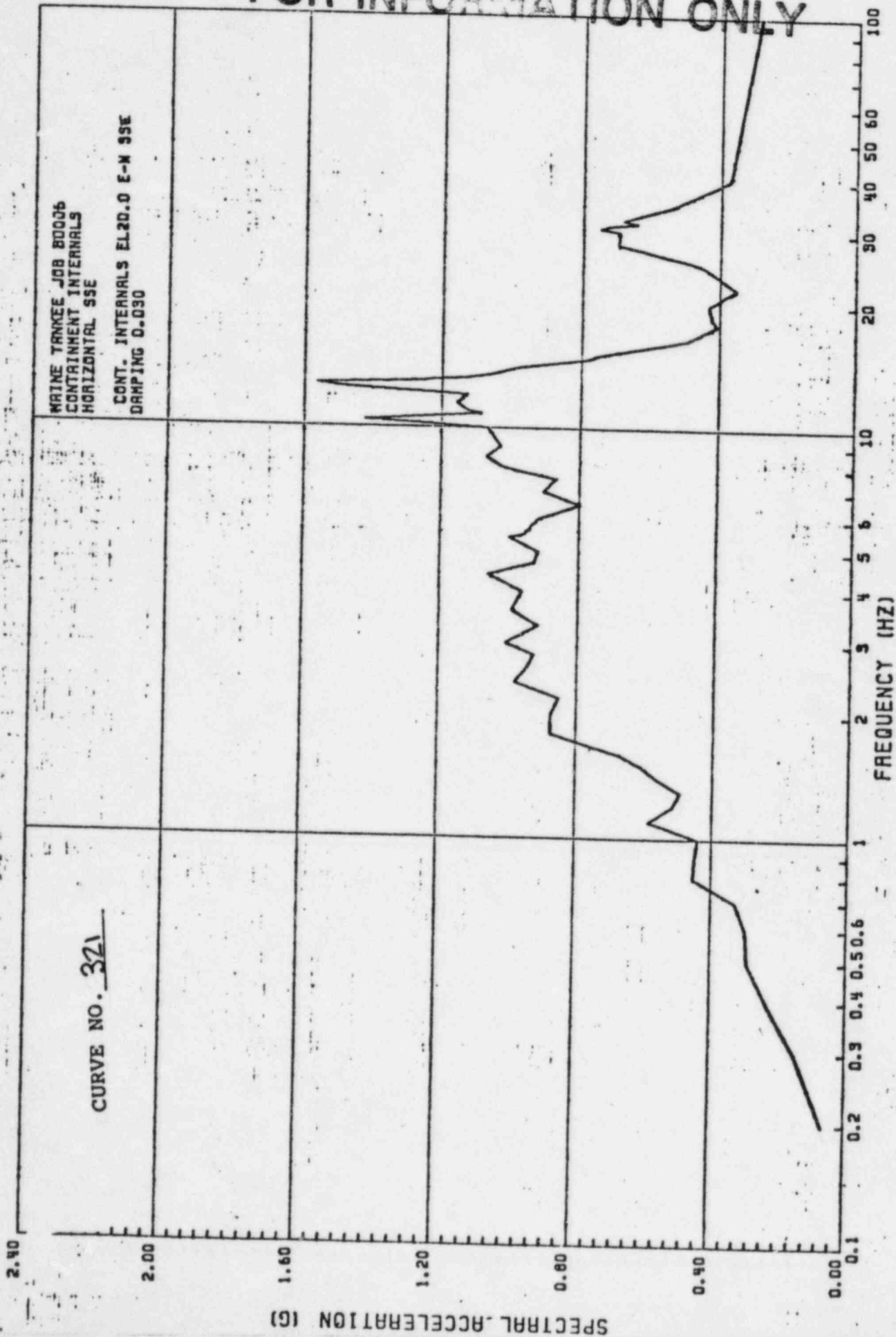
EES



EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 321



EARTHQUAKE ENGINEERING SYSTEMS

EES

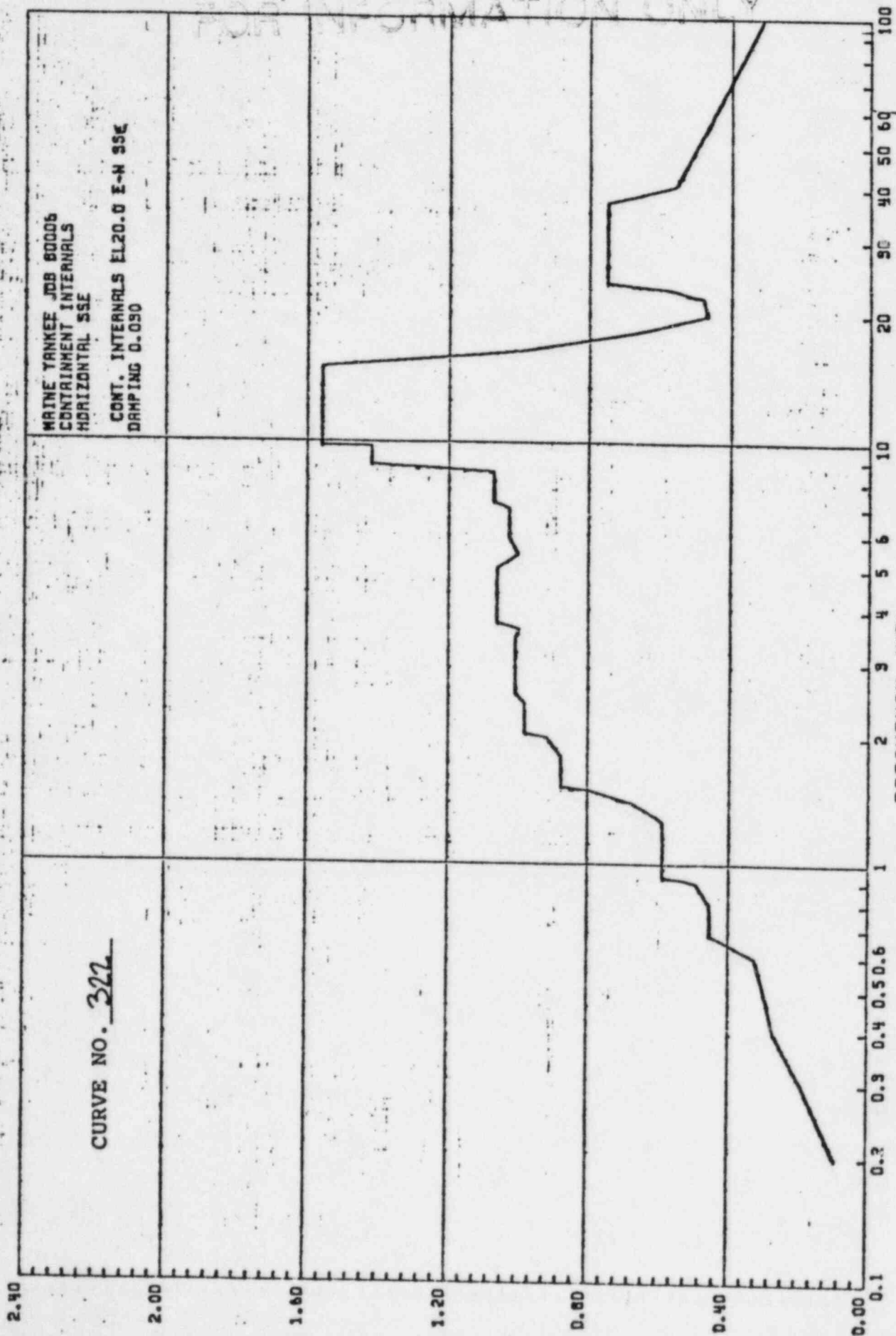
CURVE NO. 322

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE
CONT. INTERNALS EL20.0 E-W SSE
DAMPING 0.050

SPECTRAL ACCELERATION (G)

FREQUENCY (HZ)

EARTHQUAKE ENGINEERING SYSTEMS

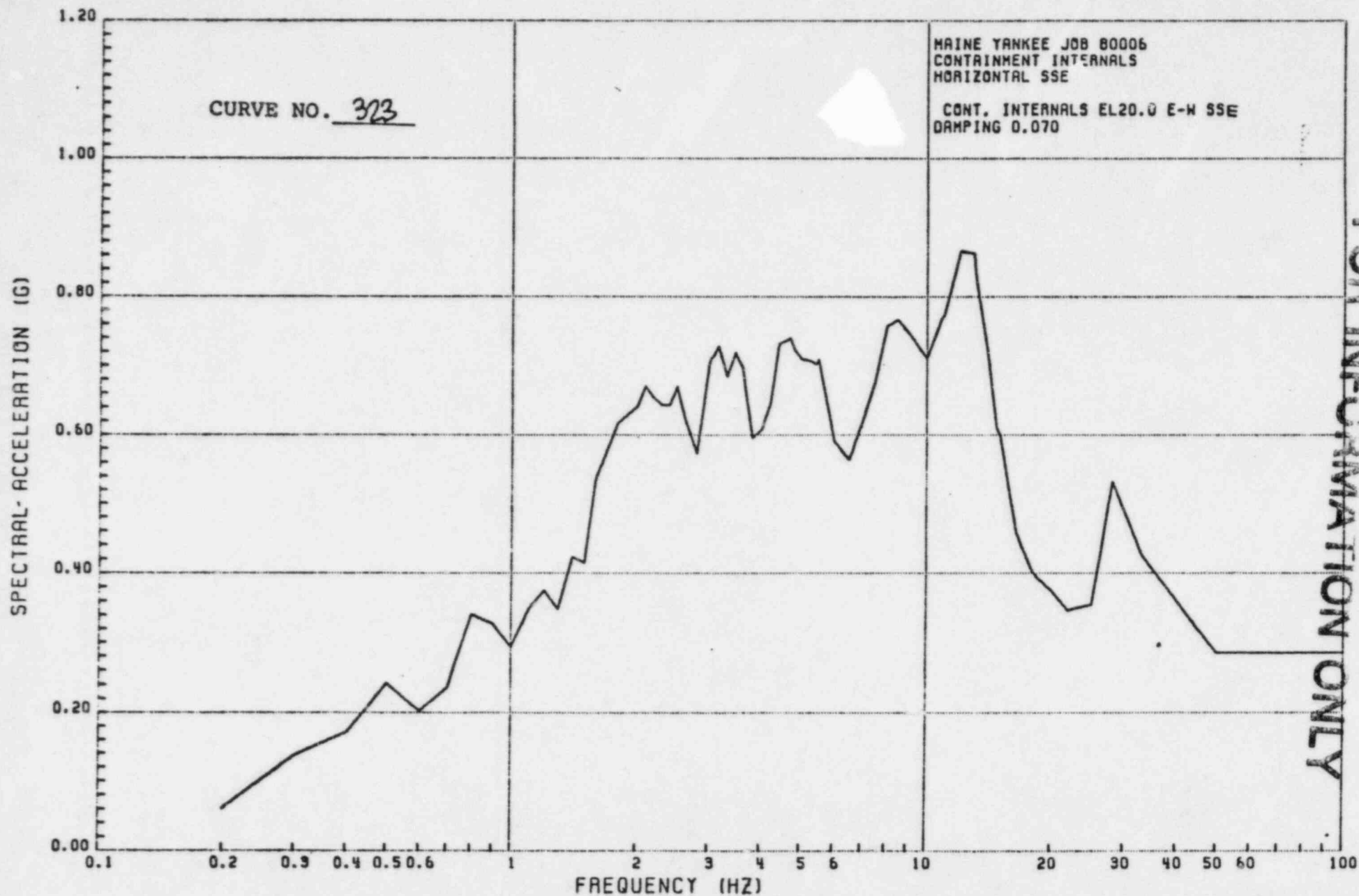


EES

CURVE NO. 323

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

CONT. INTERNALS EL20.0 E-W SSE
DAMPING 0.070



FOR INFORMATION ONLY

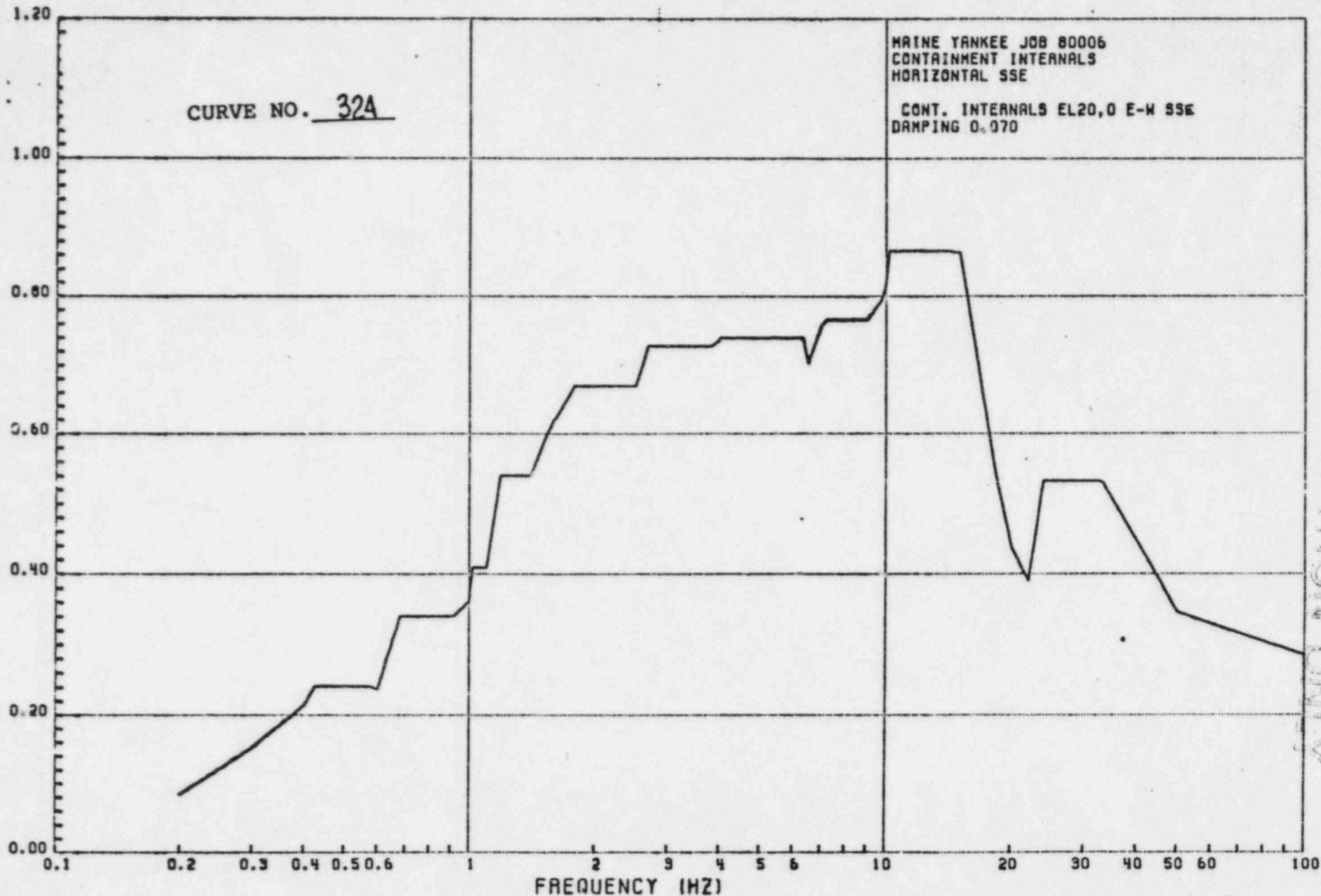
EES

CURVE NO. 324

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

CONT. INTERNALS EL20.0 E-W SSE
DAMPING 0.070

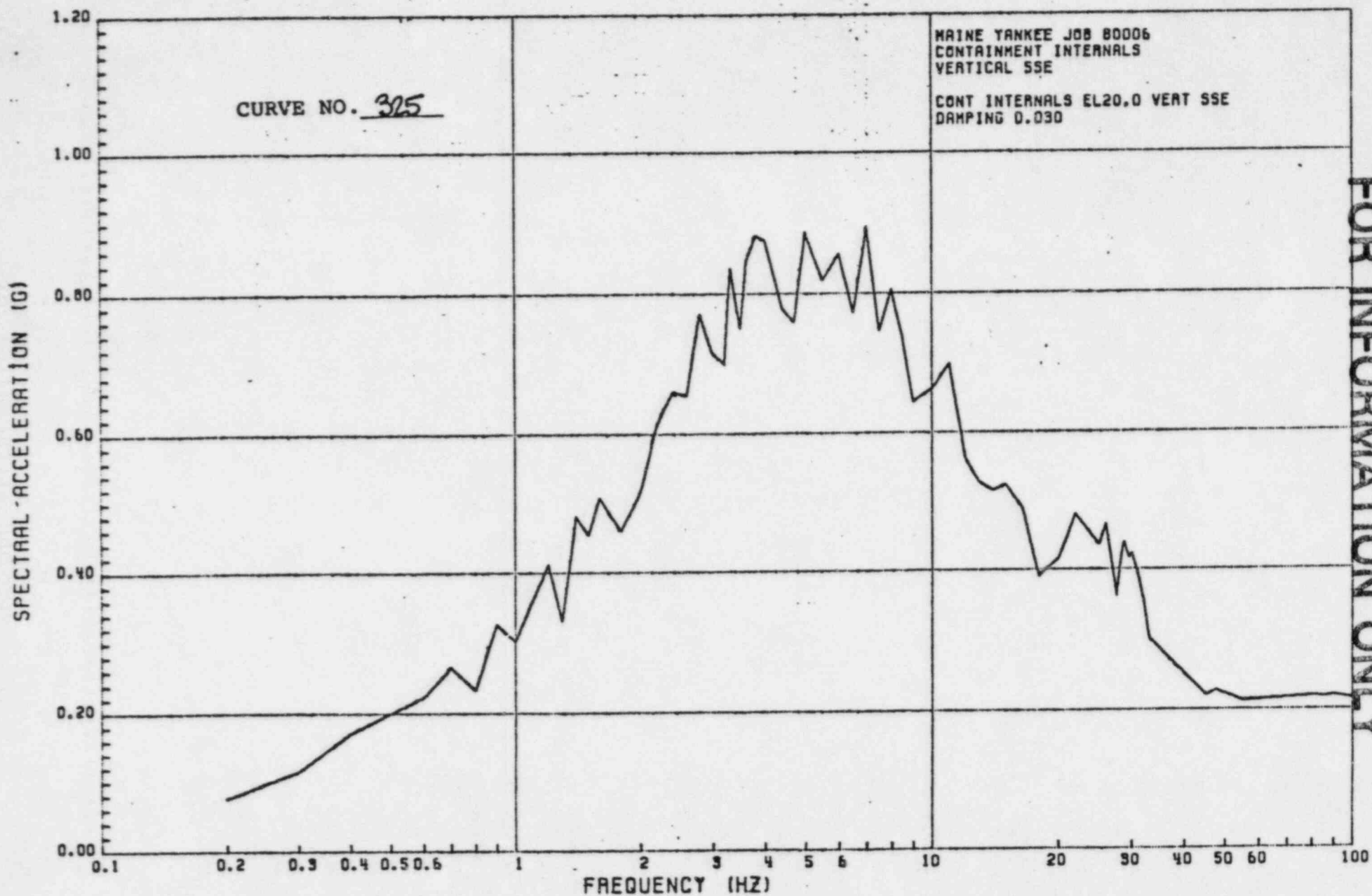
SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

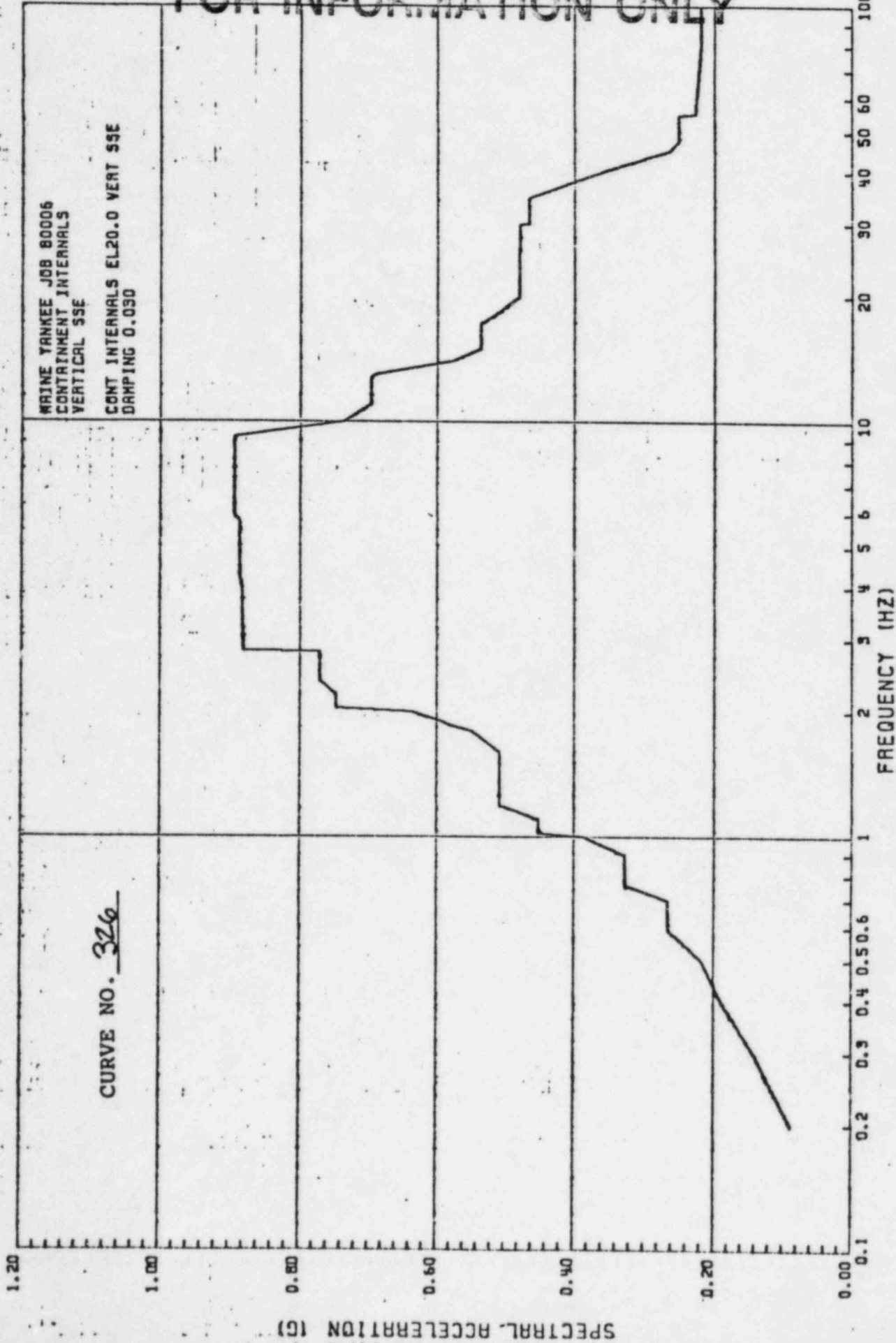
EES



EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 326



EARTHQUAKE ENGINEERING SYSTEMS

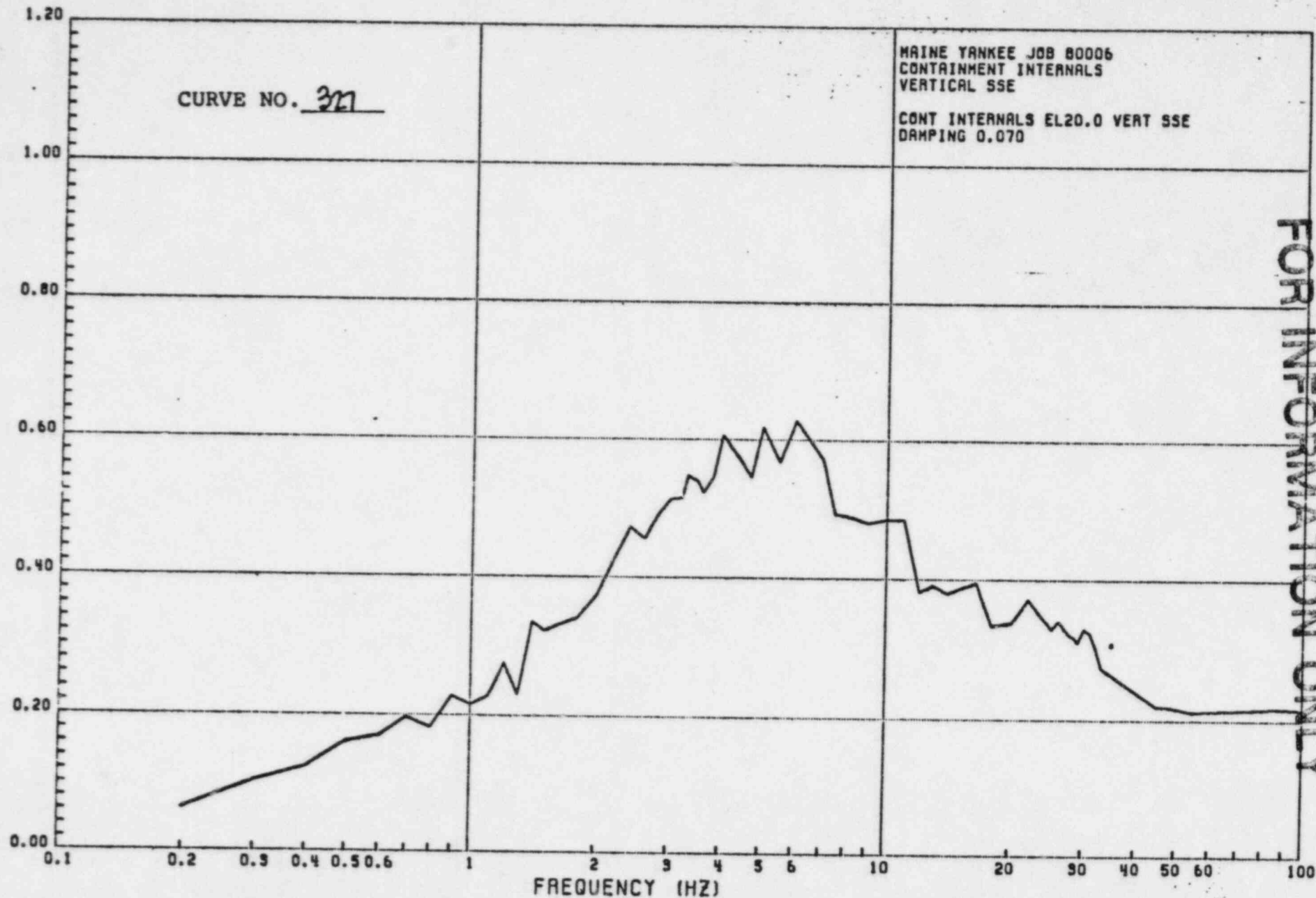
EES

CURVE NO. 321

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL SSE

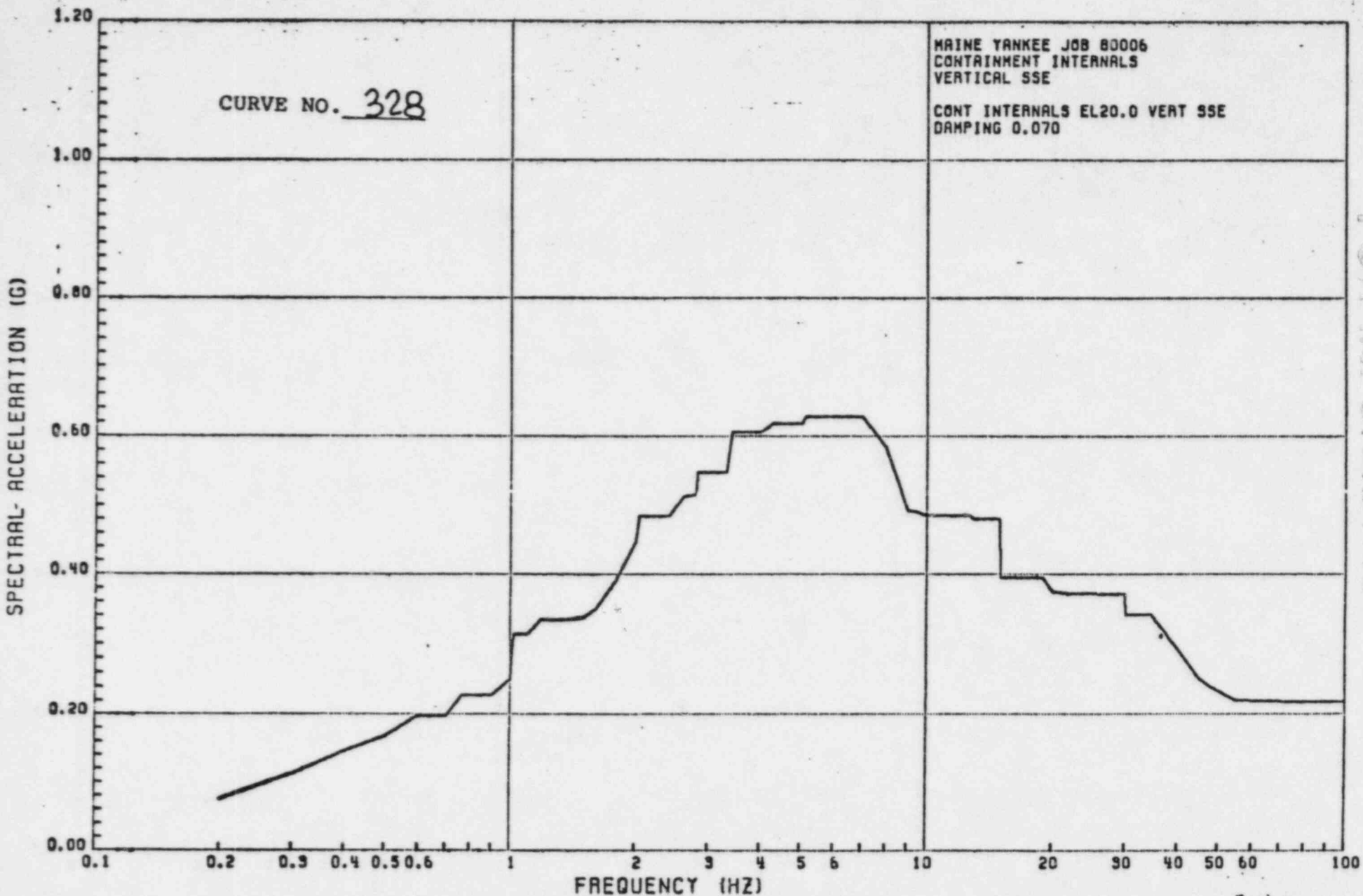
CONT INTERNALS EL20.0 VERT SSE
DAMPING 0.070

SPECTRAL ACCELERATION (G)



EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

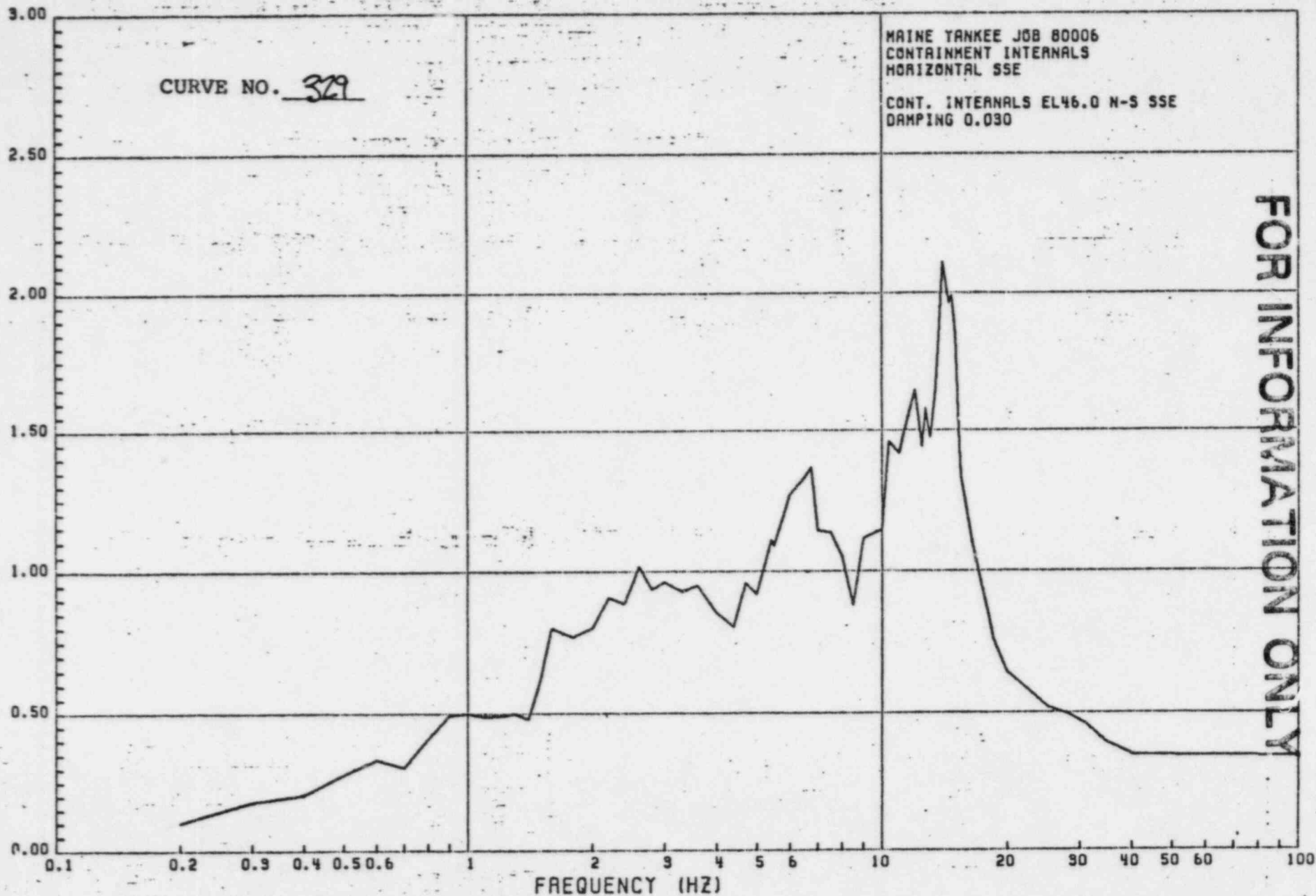
EES

CURVE NO. 329

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

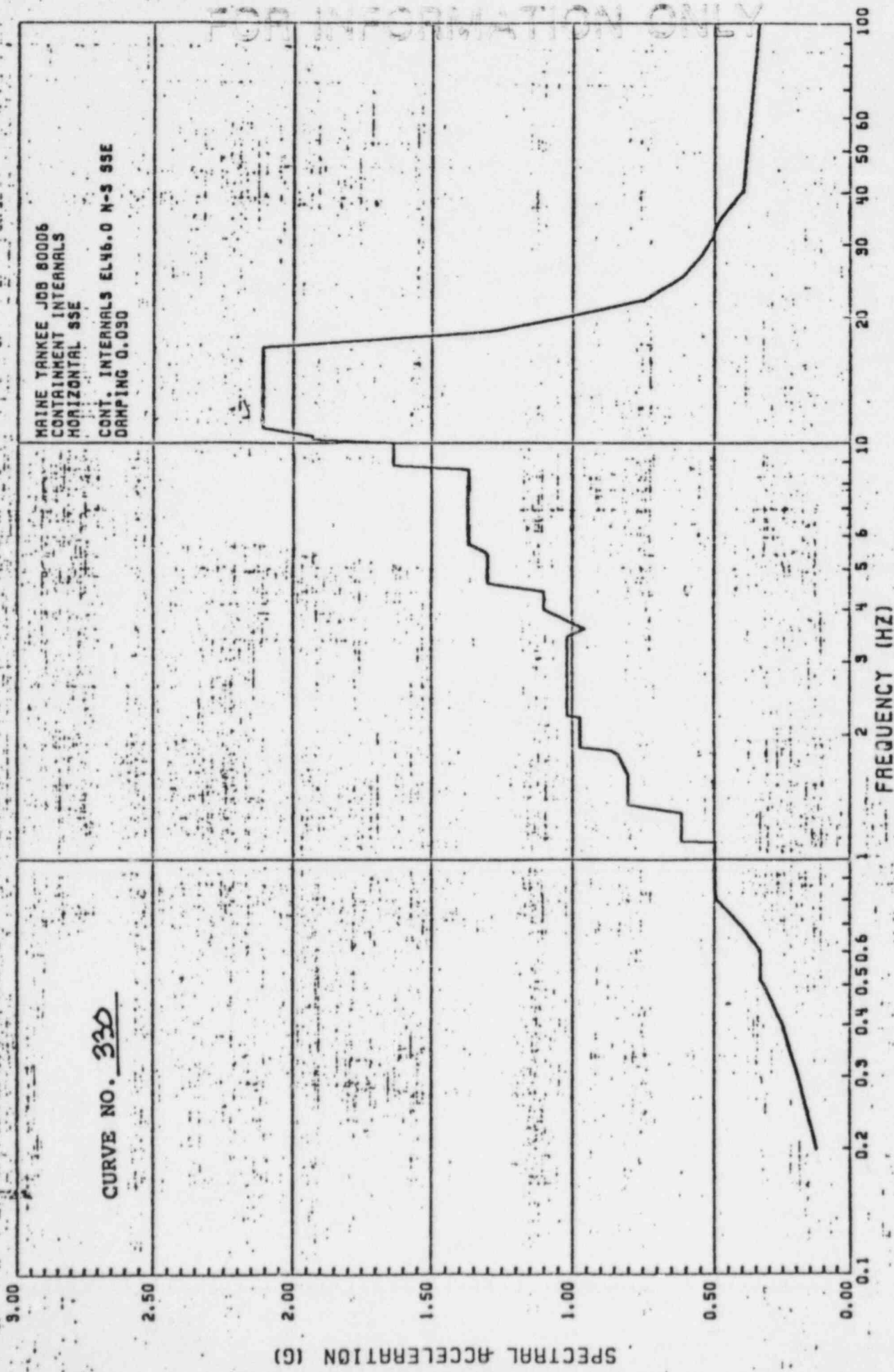
CONT. INTERNALS EL46.0 N-S SSE
DAMPING 0.030

SPECTRAL ACCELERATION (G)



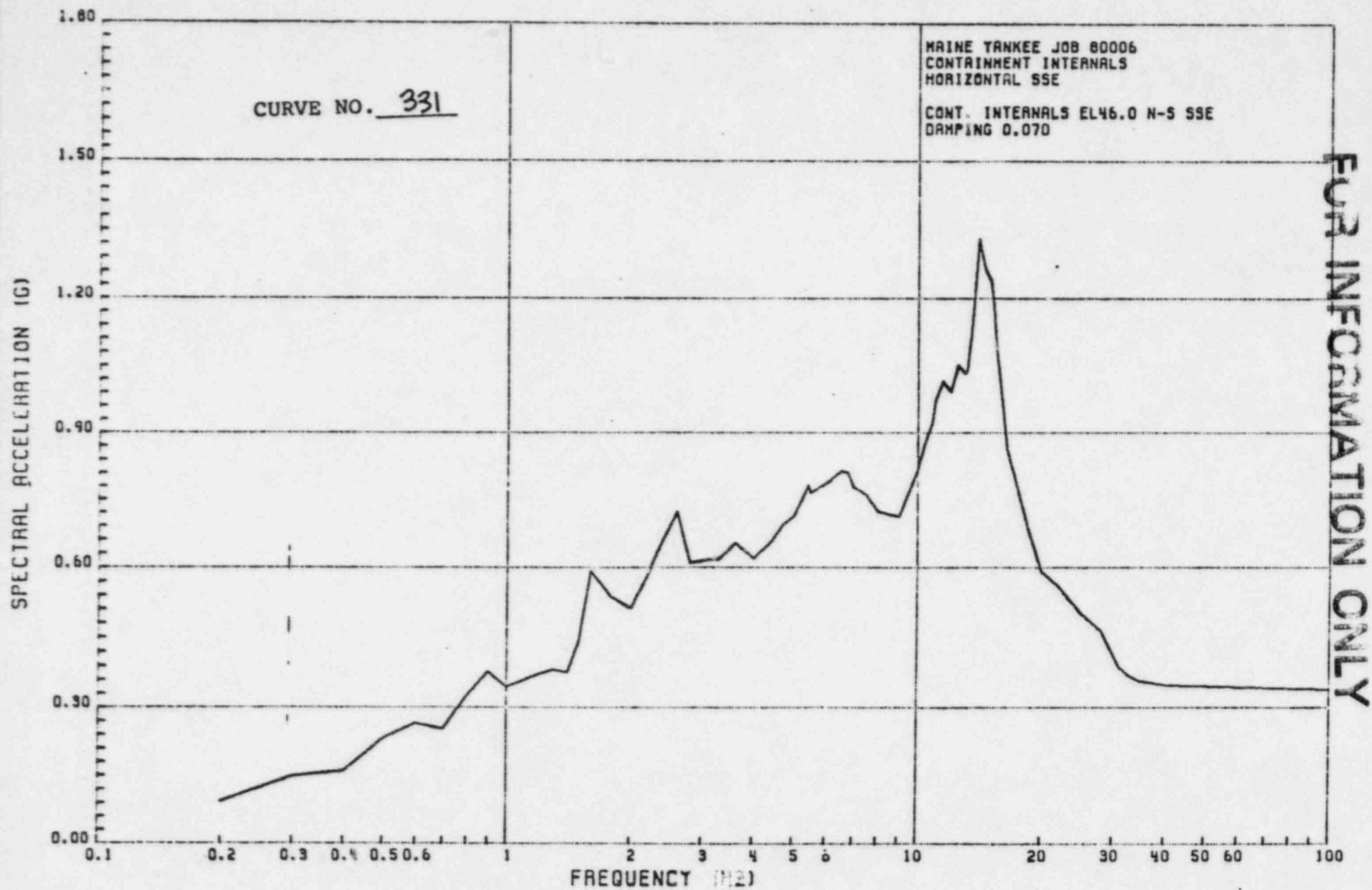
EES

CURVE NO. 330



EARTHQUAKE ENGINEERING SYSTEMS

EES



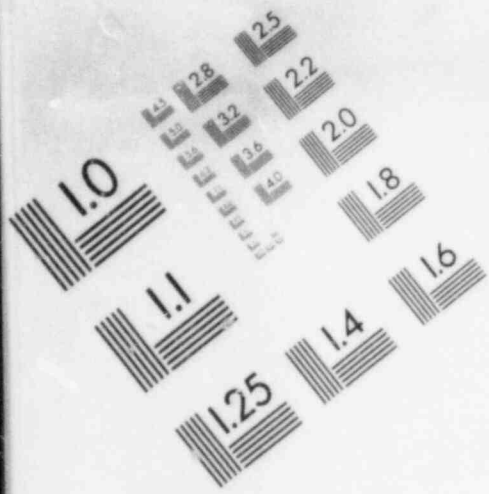
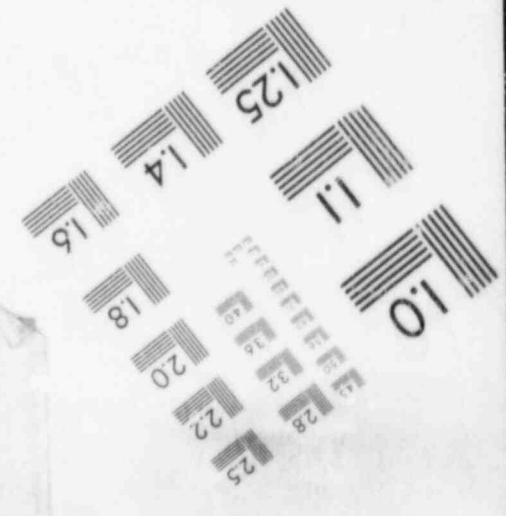
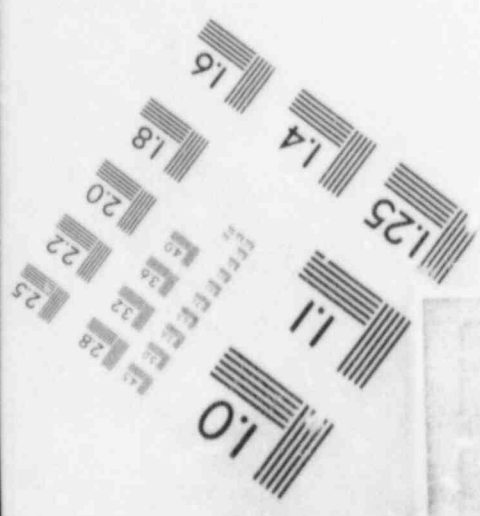
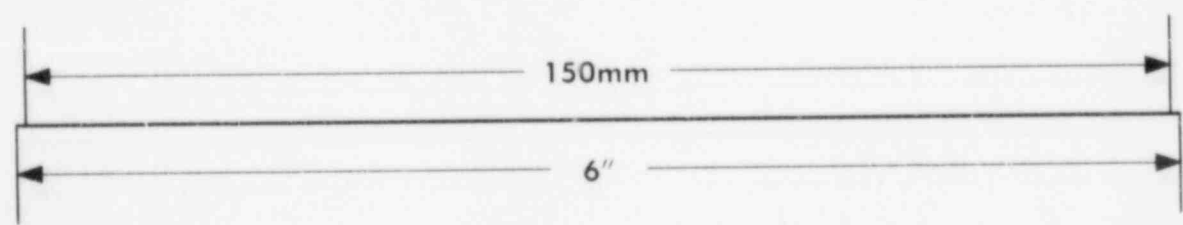
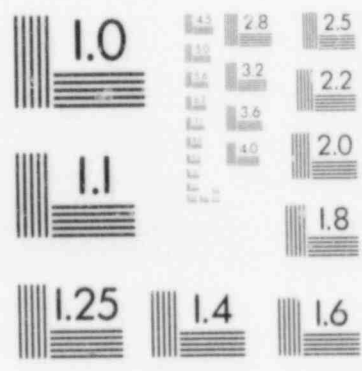
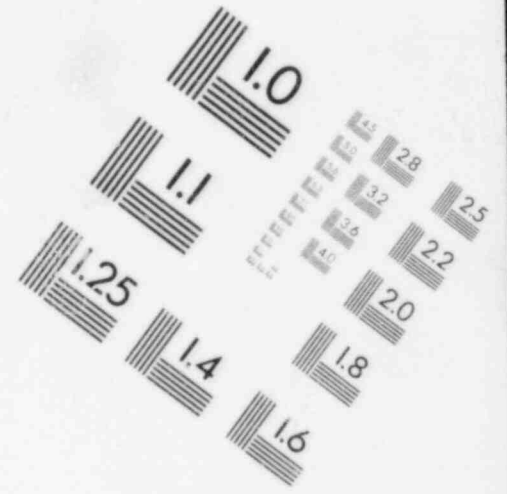
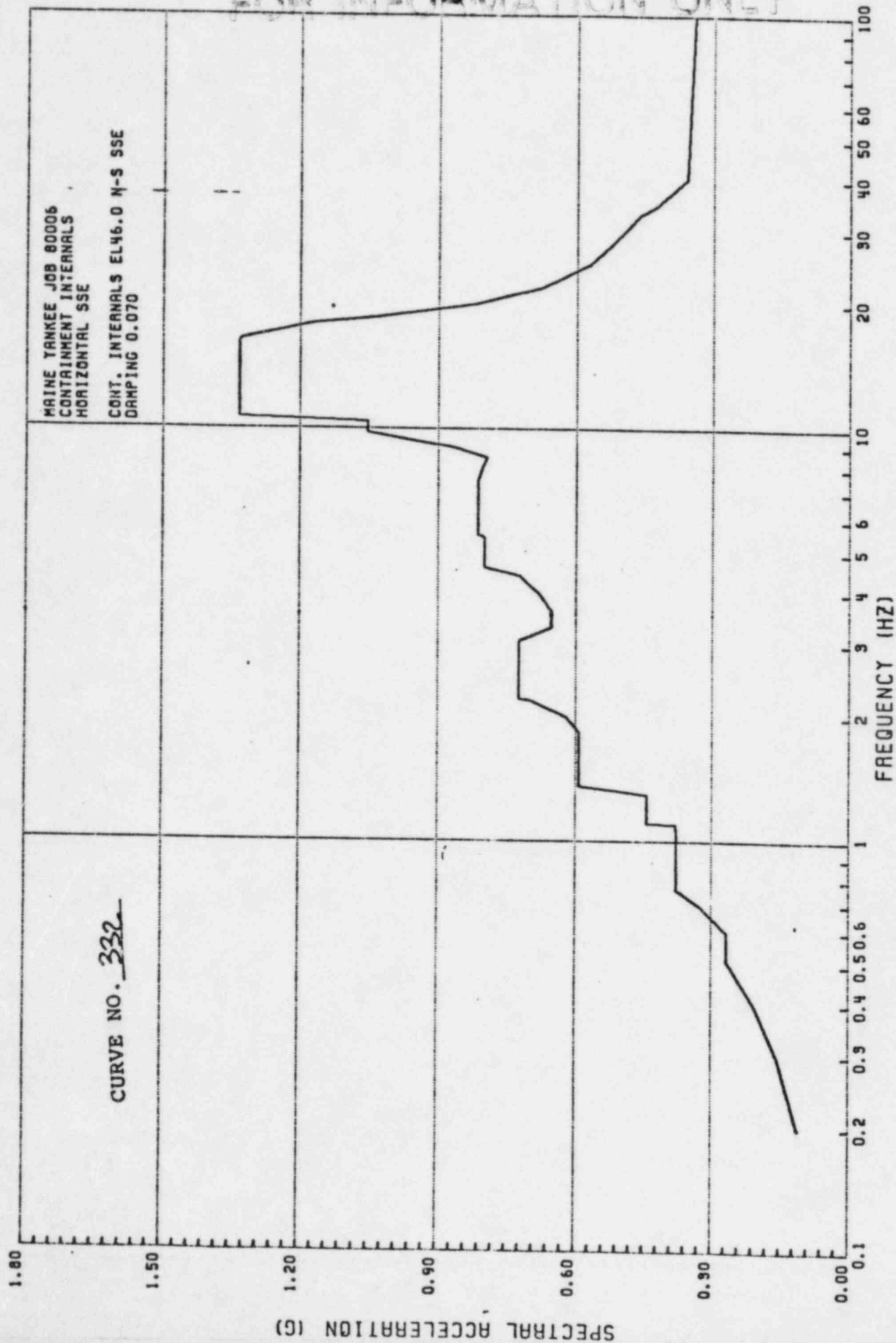


IMAGE EVALUATION
TEST TARGET (MT-3)

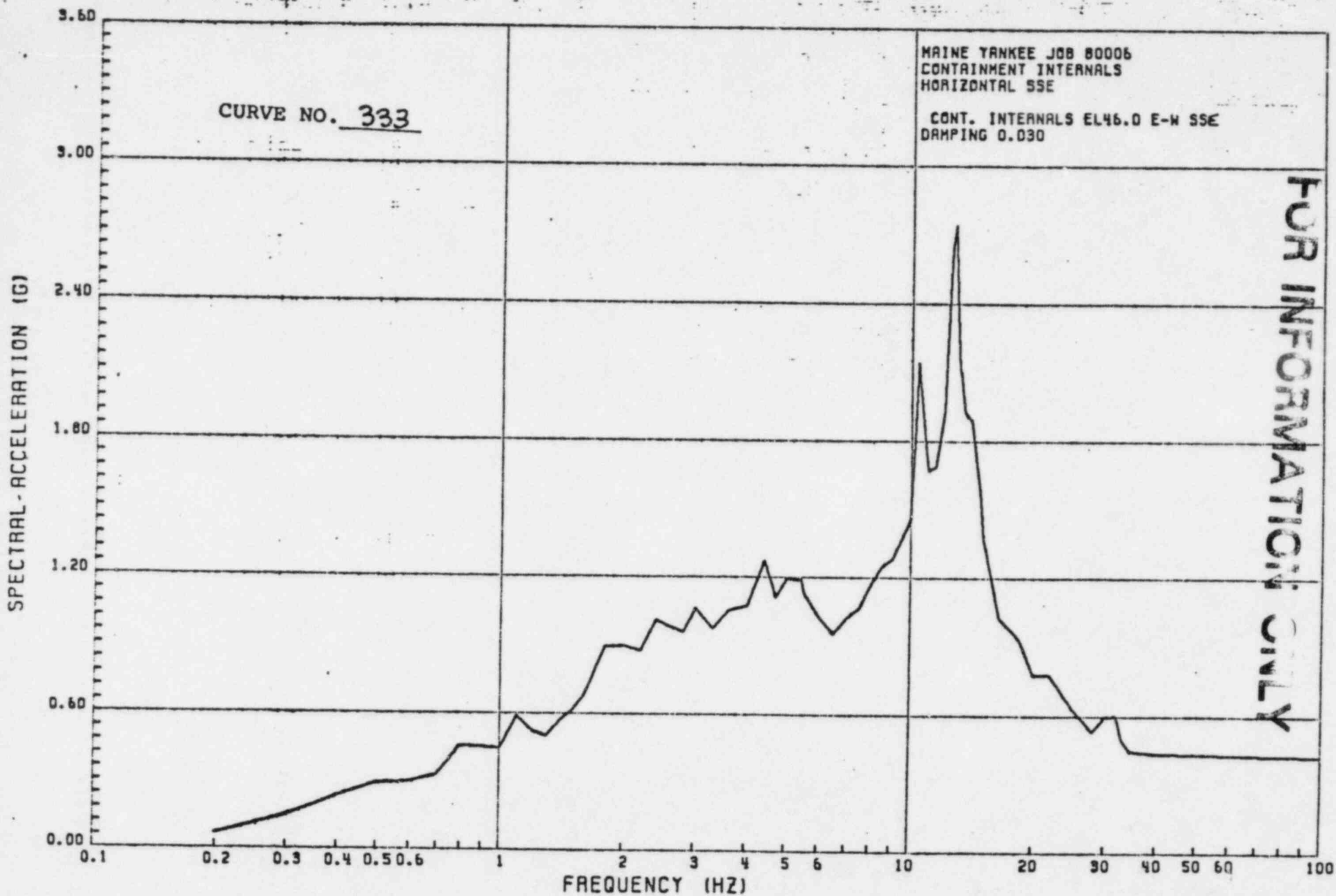


EES

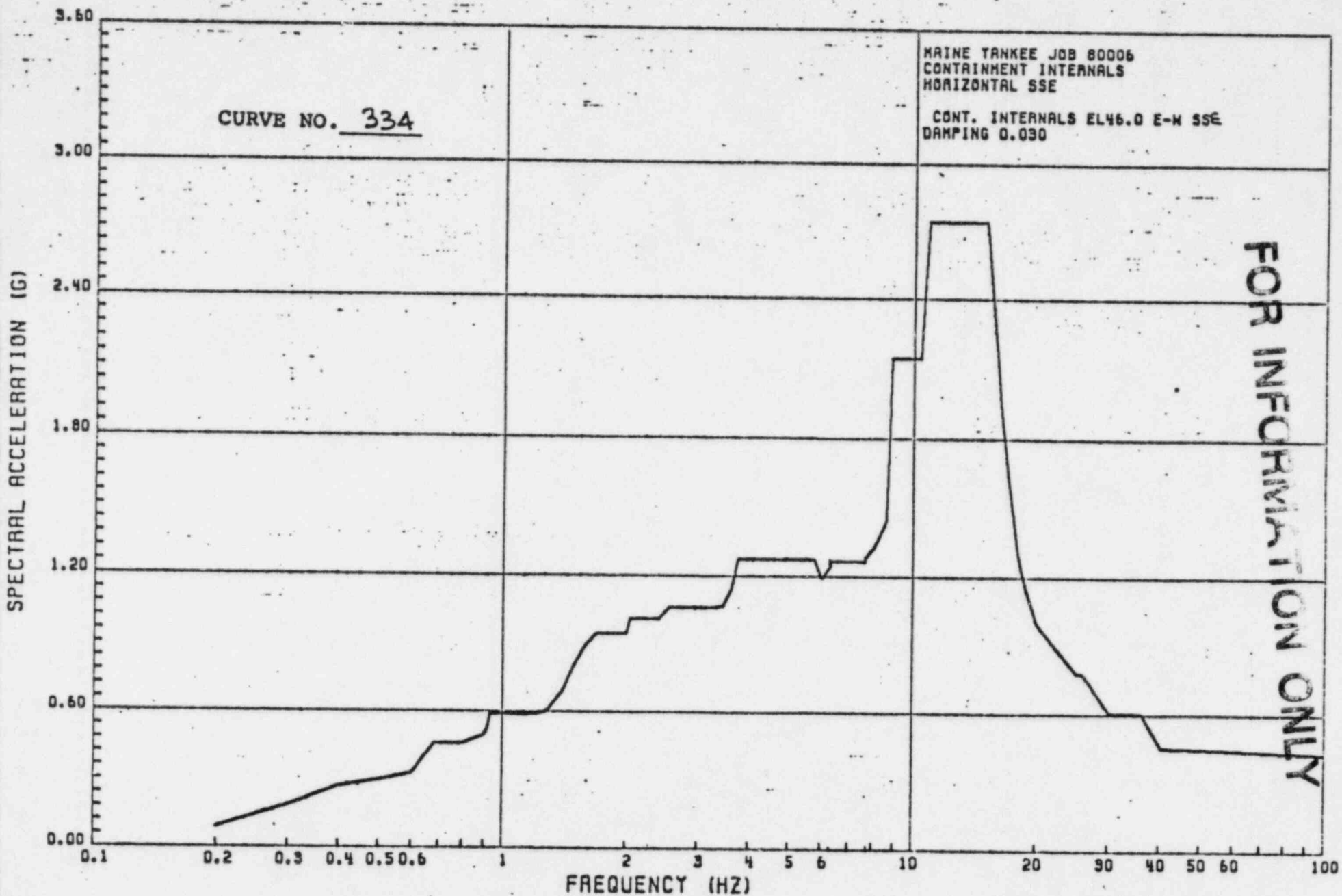


EARTHQUAKE ENGINEERING SYSTEMS

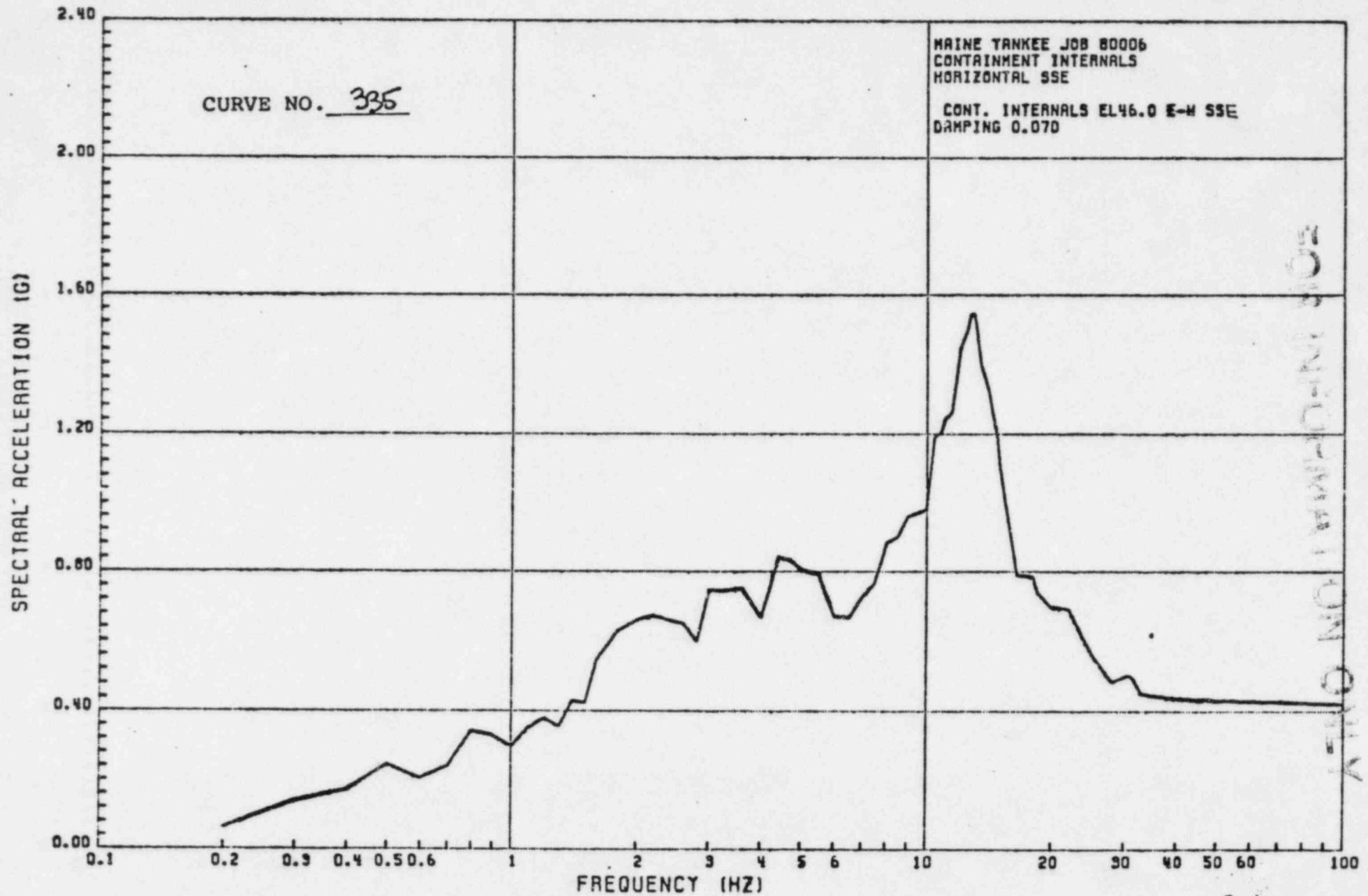
EES



EES

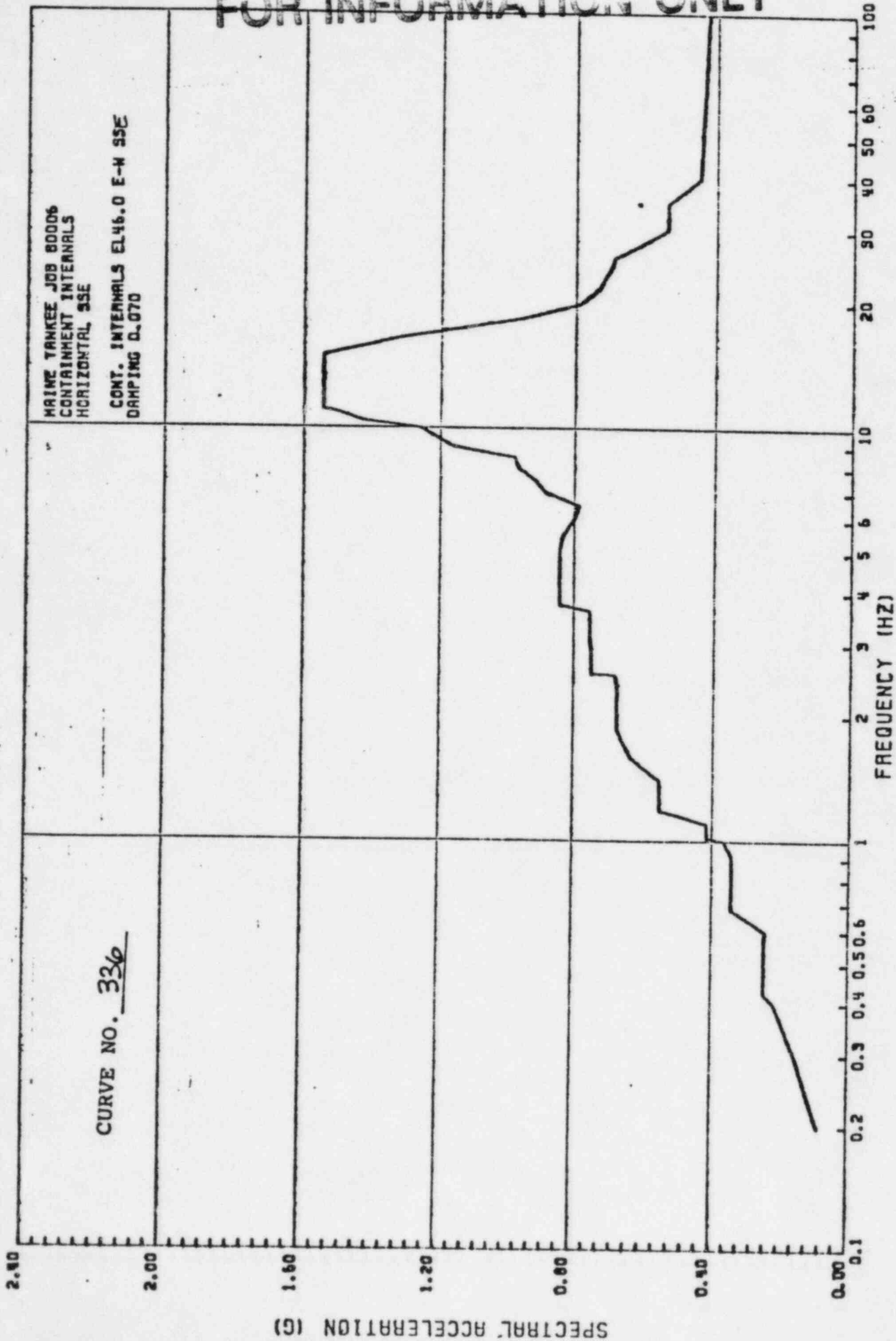


EES



EES

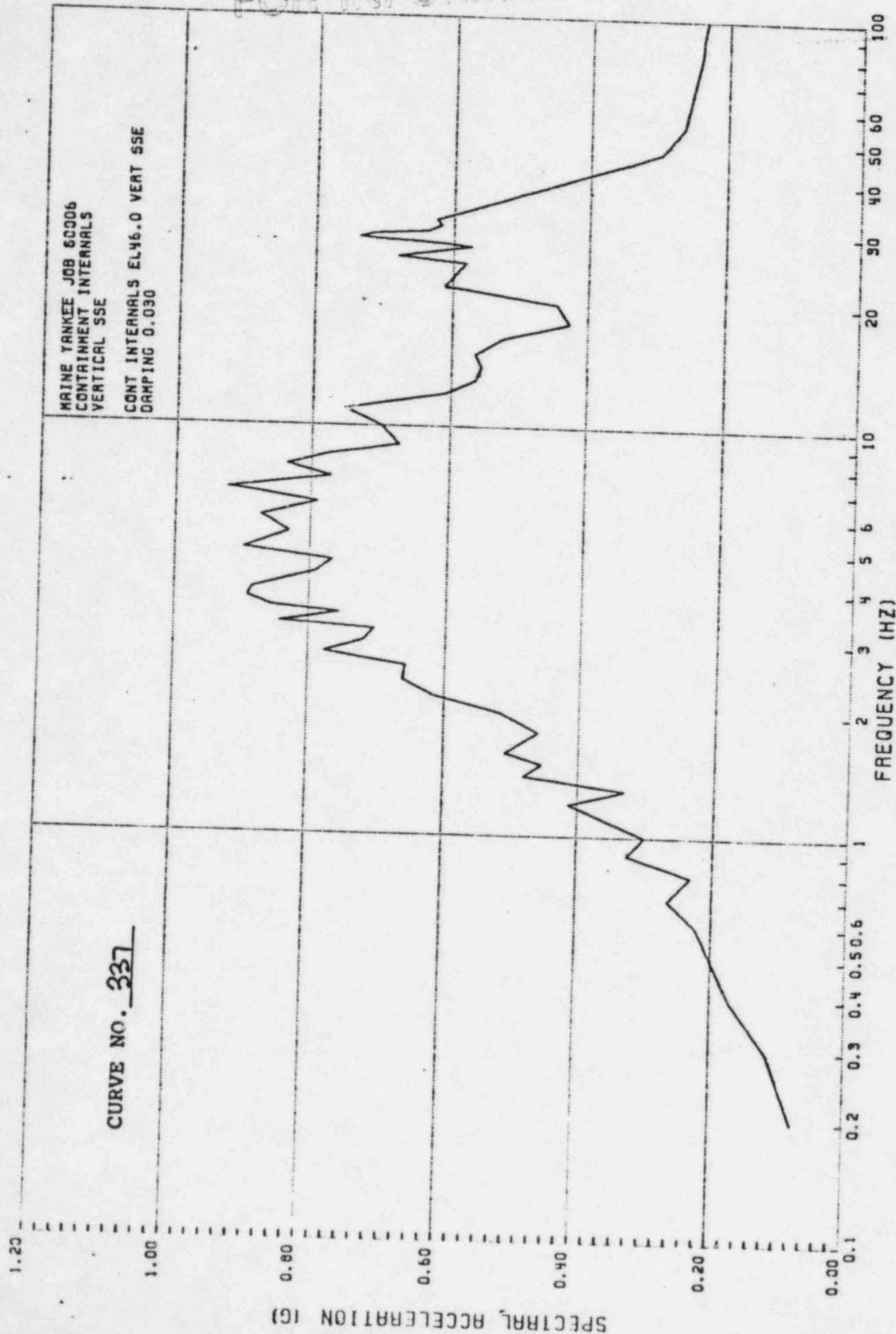
CURVE NO. 336



FOR INFORMATION ONLY

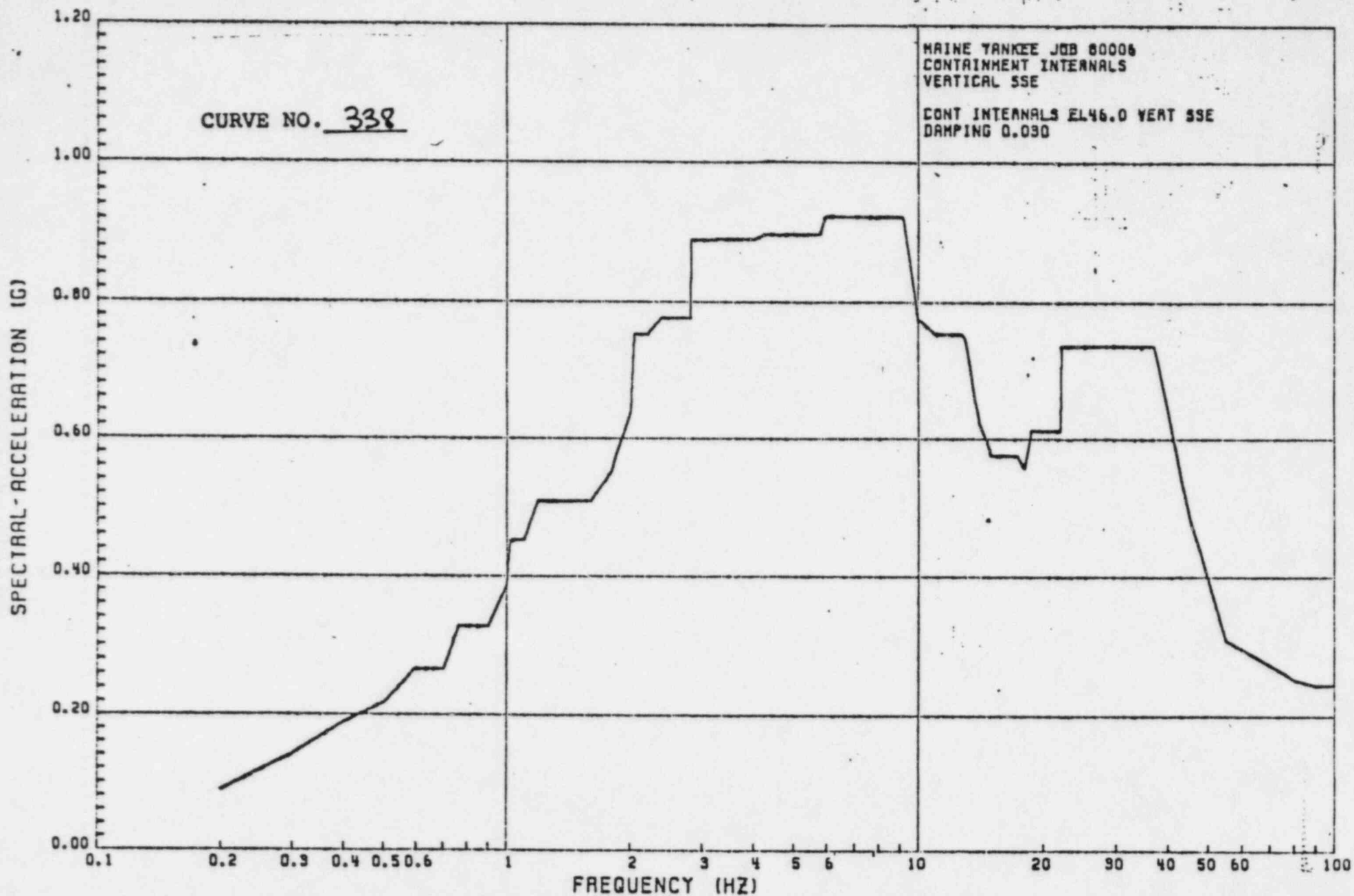
EES

CURVE NO. 337



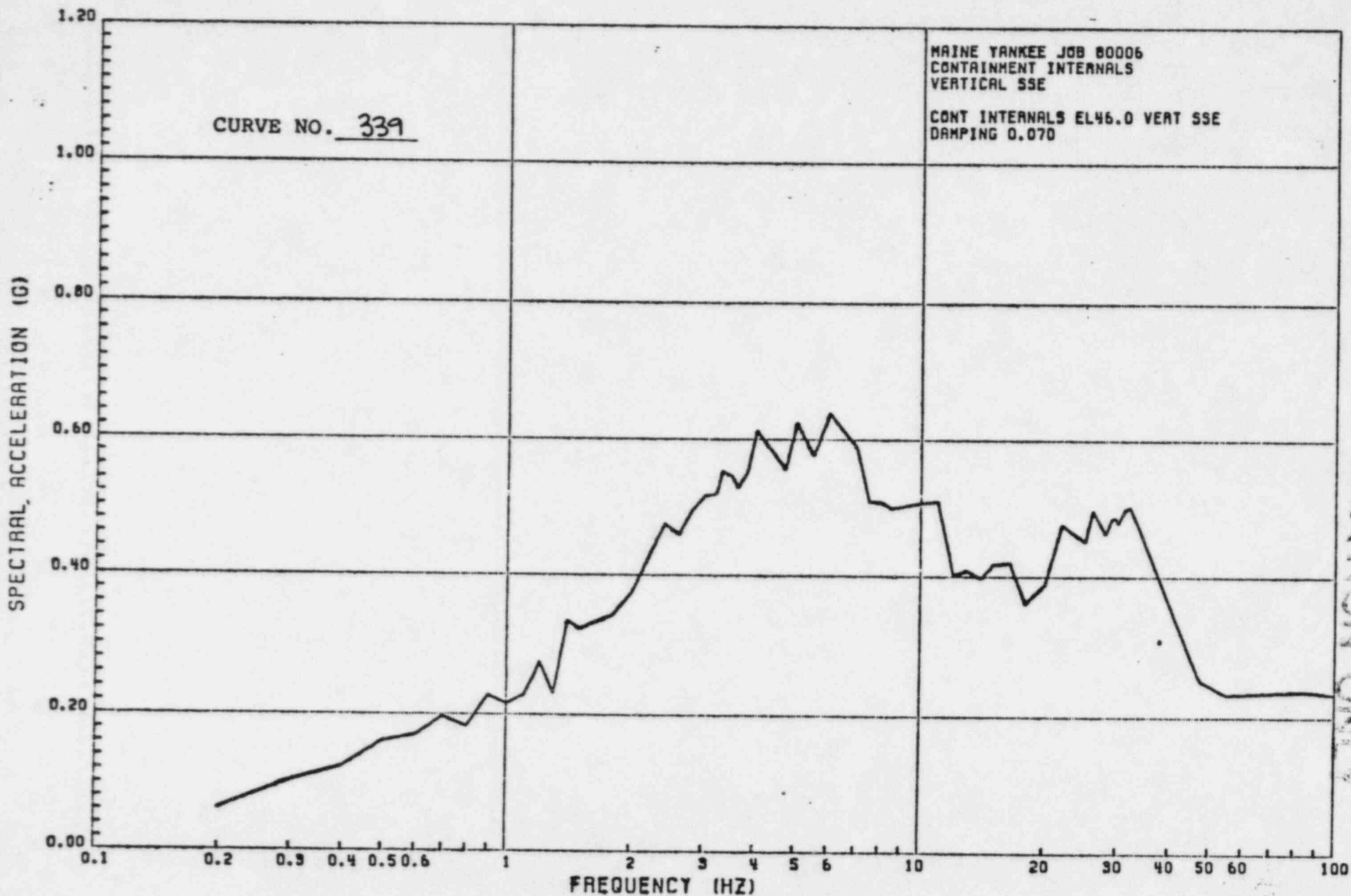
EARTHQUAKE ENGINEERING SYSTEMS

EES



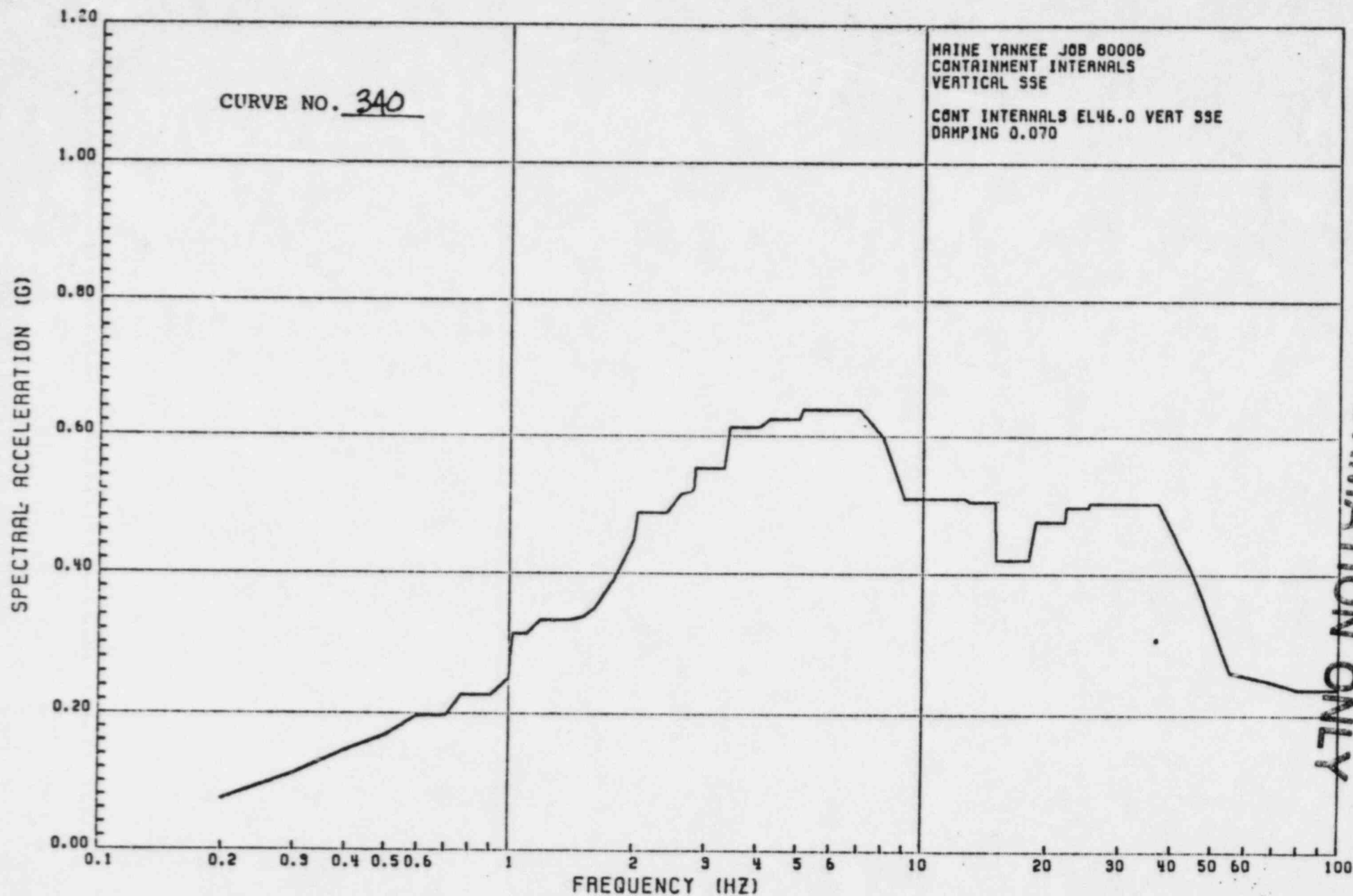
FOR INFORMATION ONLY

EES



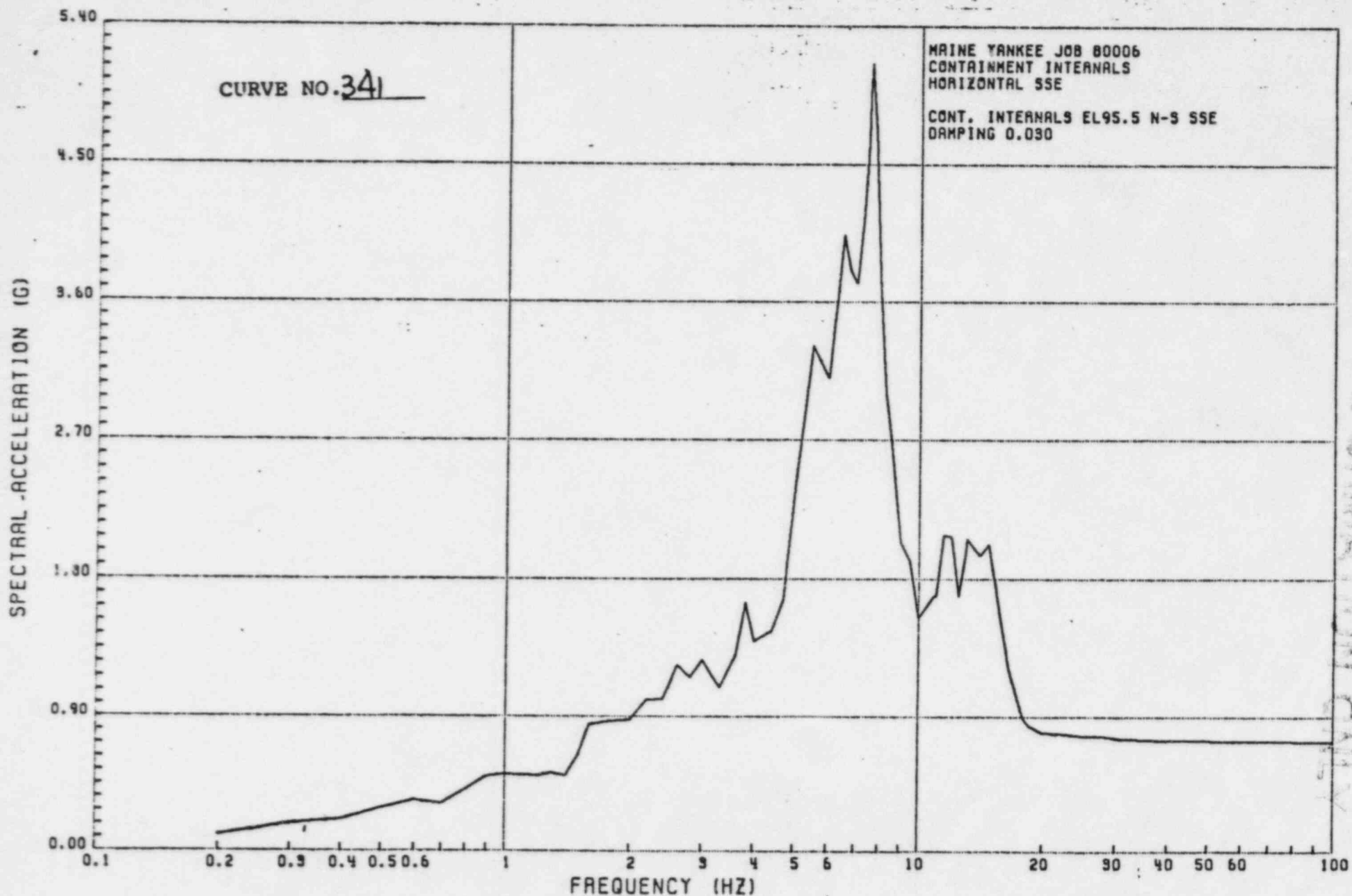
FOR INFORMATION ONLY

EES



FOR INFORMATION ONLY

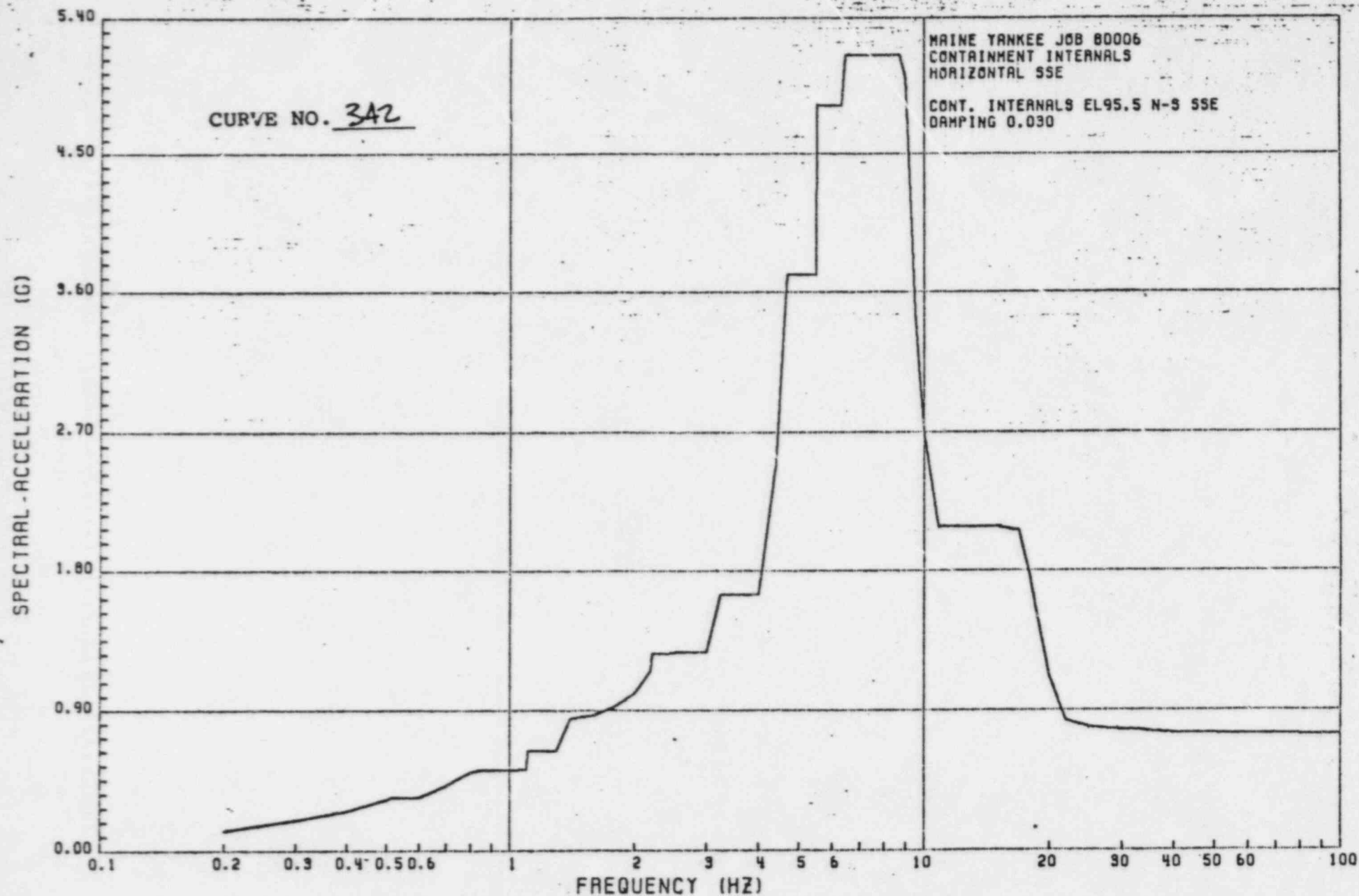
EES



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

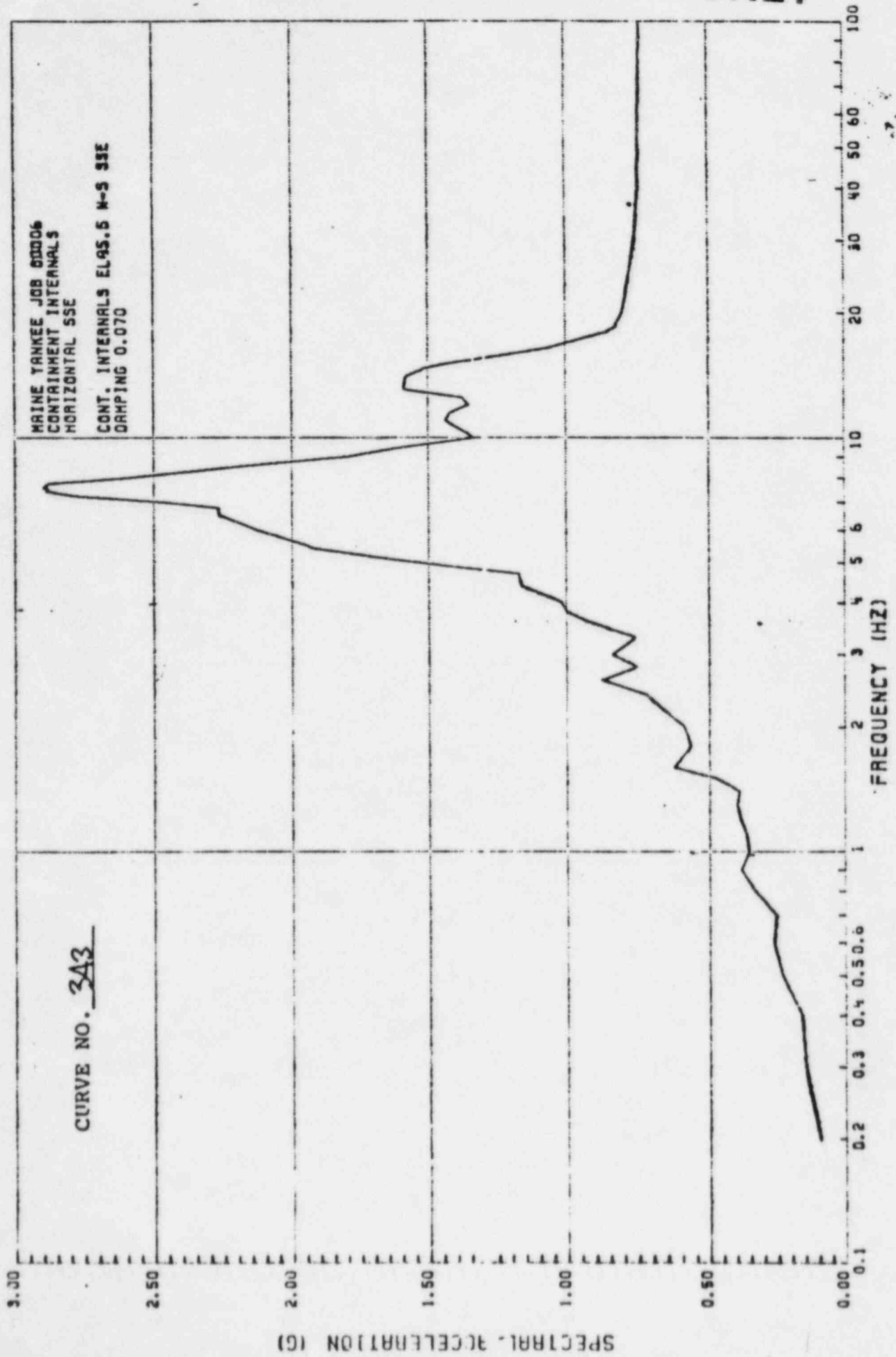
EES



EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

EES



EARTHQUAKE ENGINEERING SYSTEMS

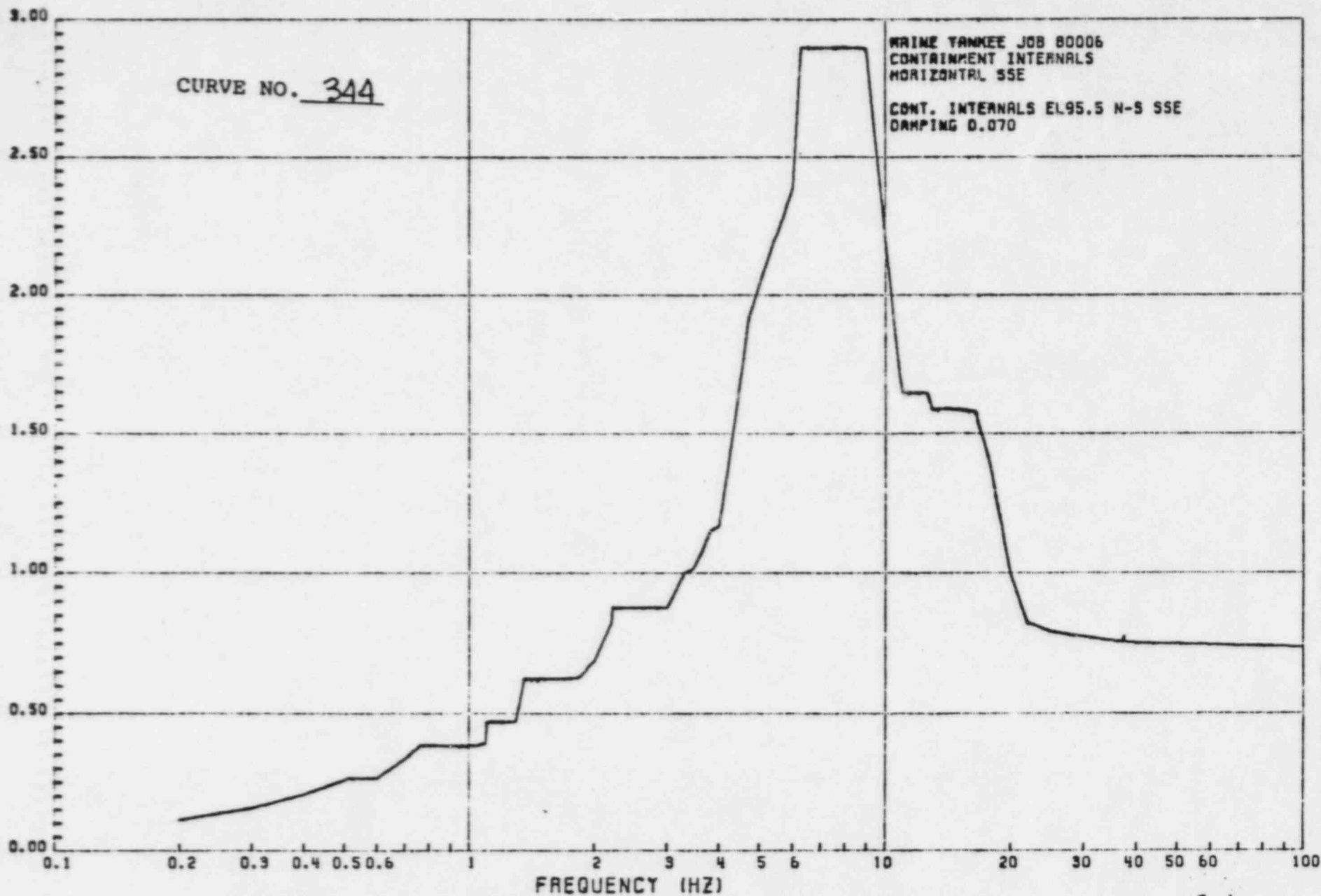
EES

CURVE NO. 344

WAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

CONT. INTERNALS EL95.5 N-S SSE
DAMPING 0.070

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

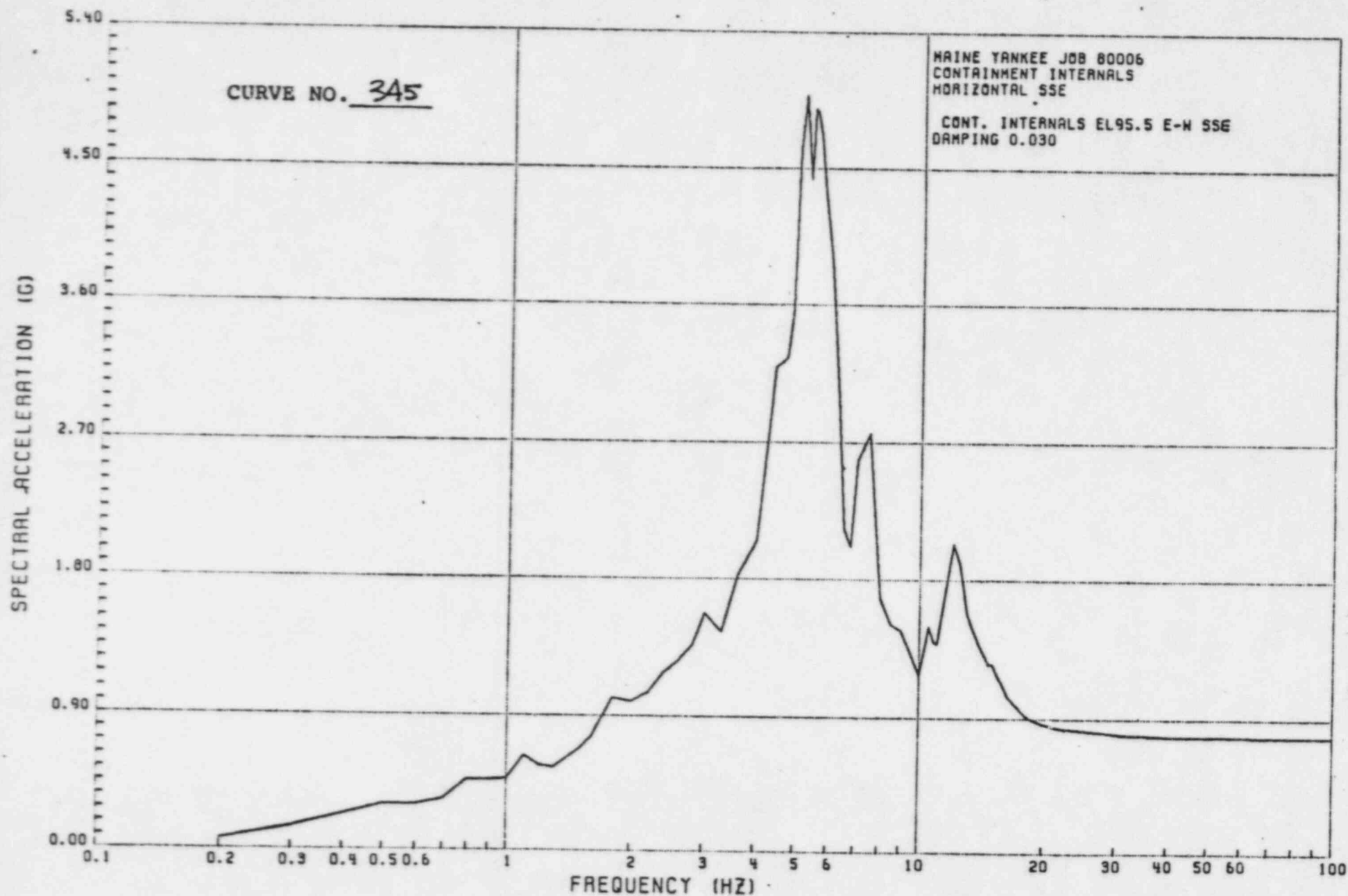
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 345

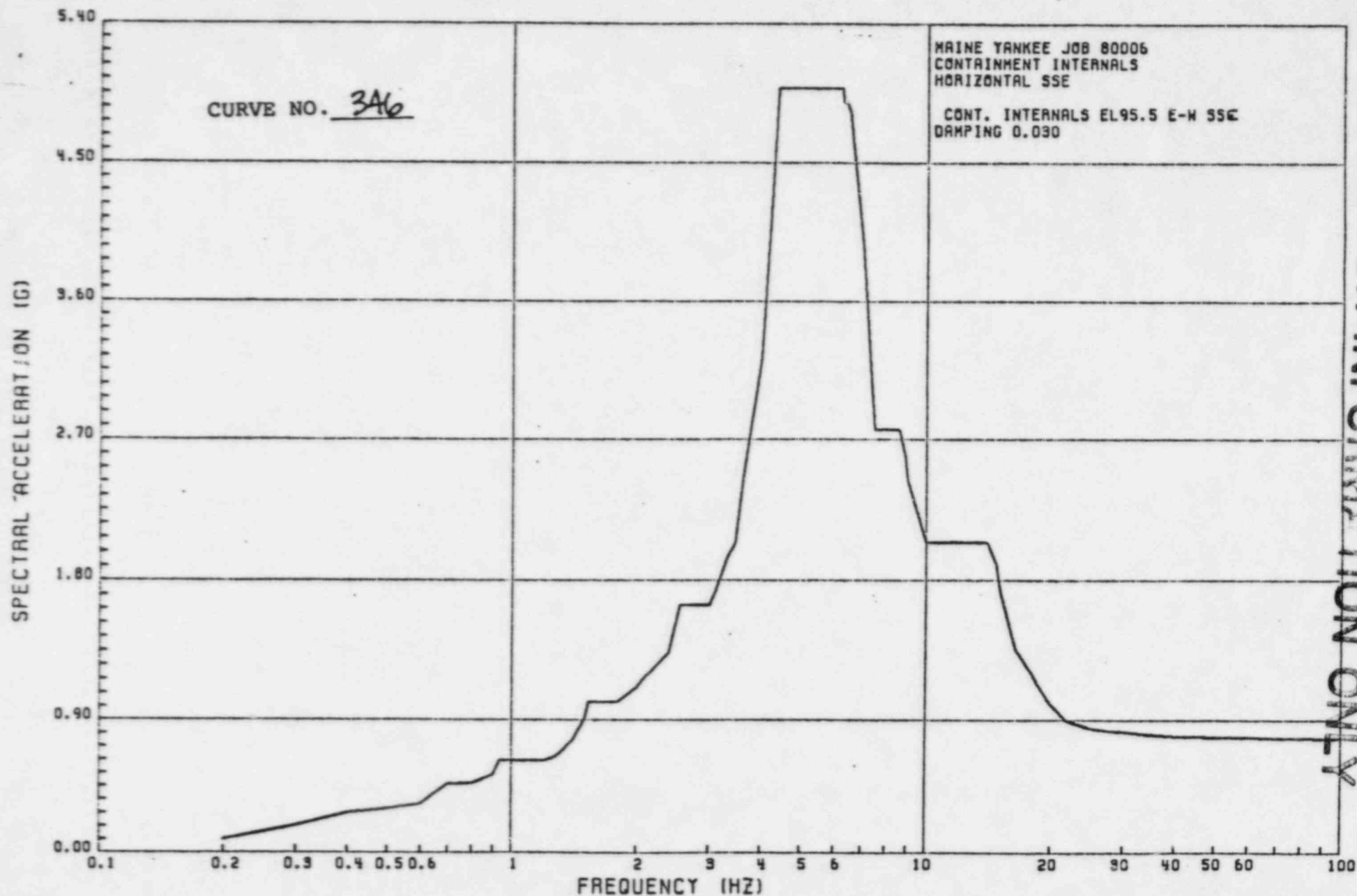
MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL SSE

CONT. INTERNALS EL95.5 E-W SSE
DAMPING 0.030



EARTHQUAKE ENGINEERING SYSTEMS

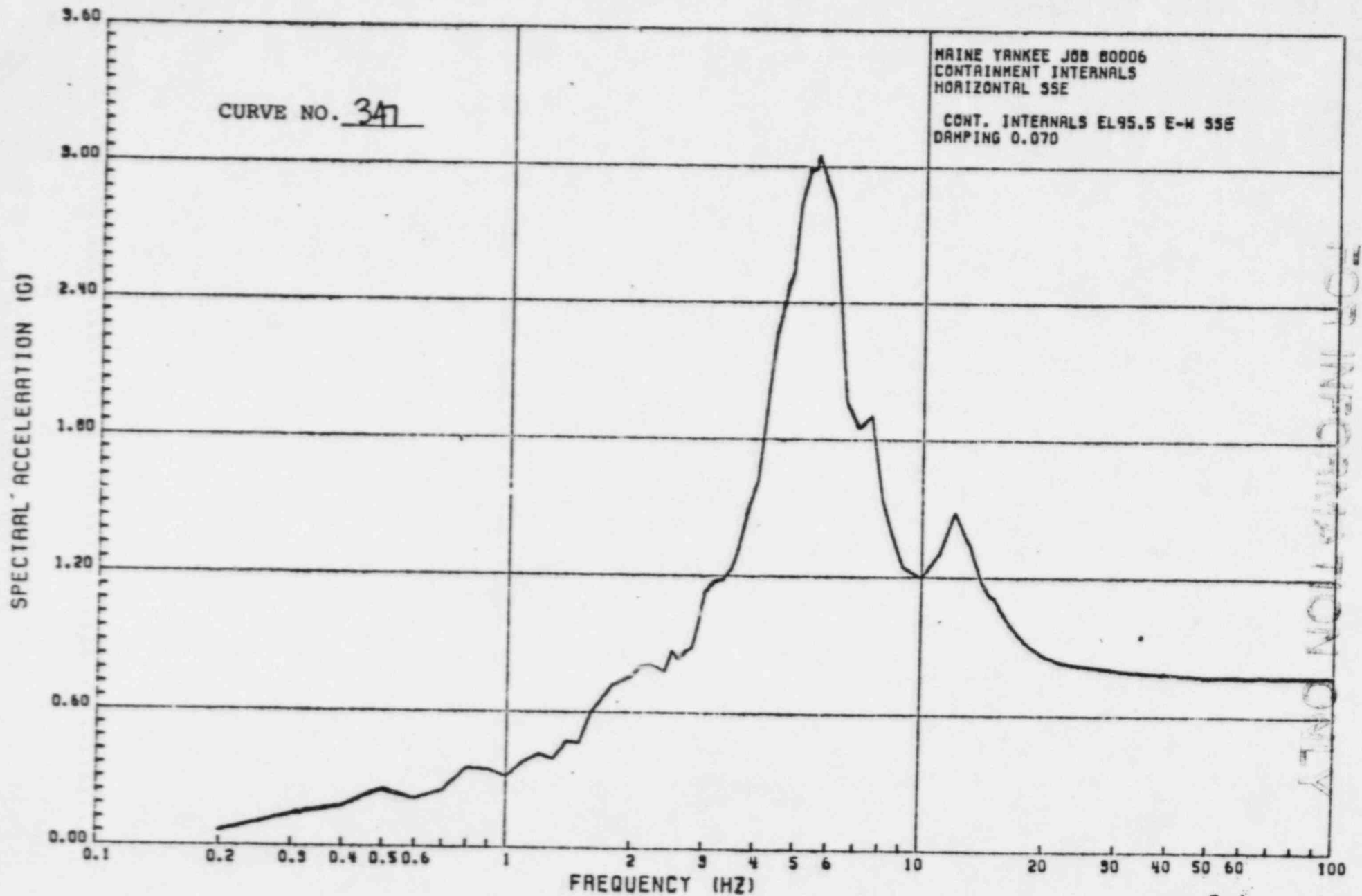
EES



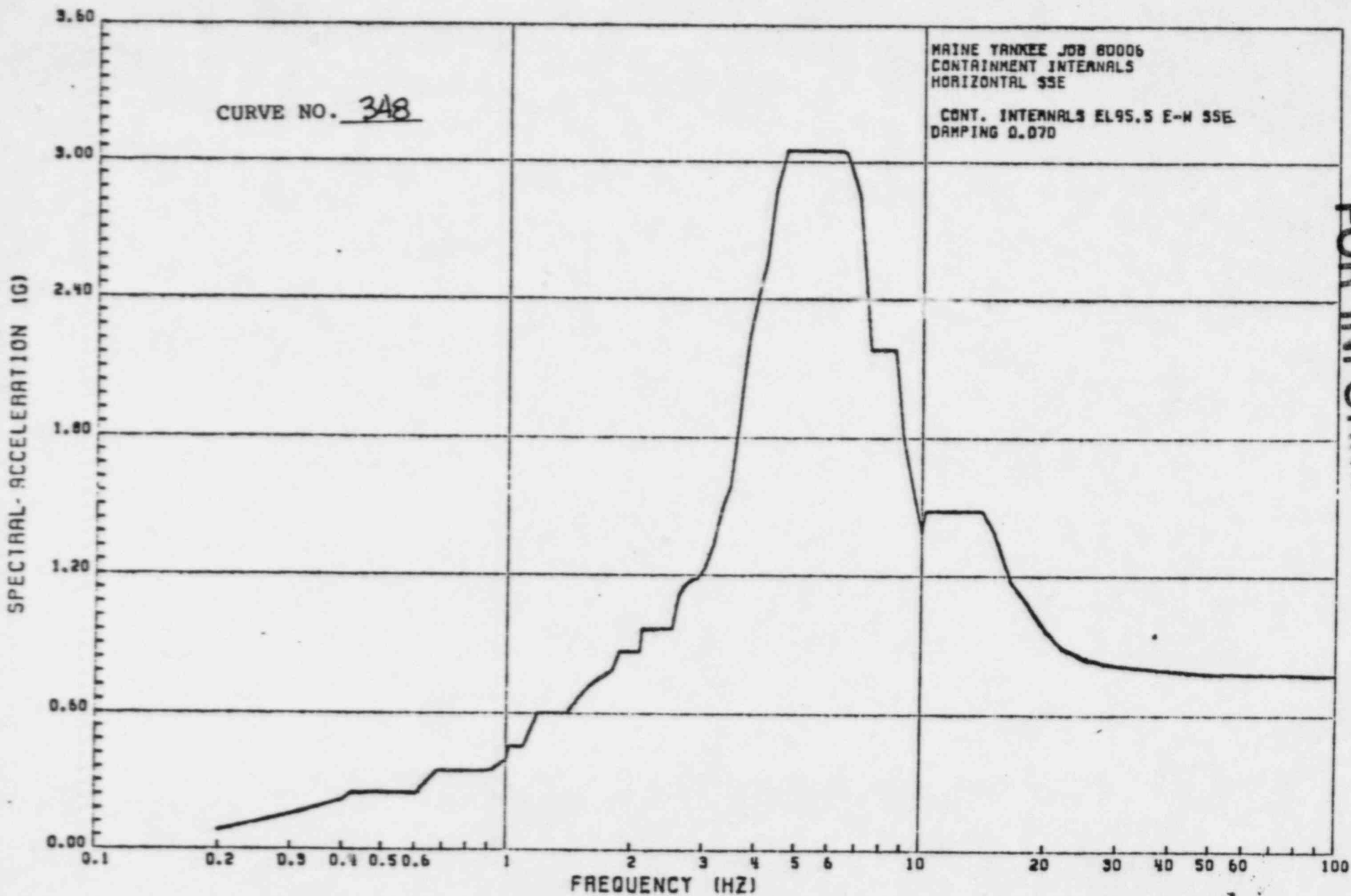
FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

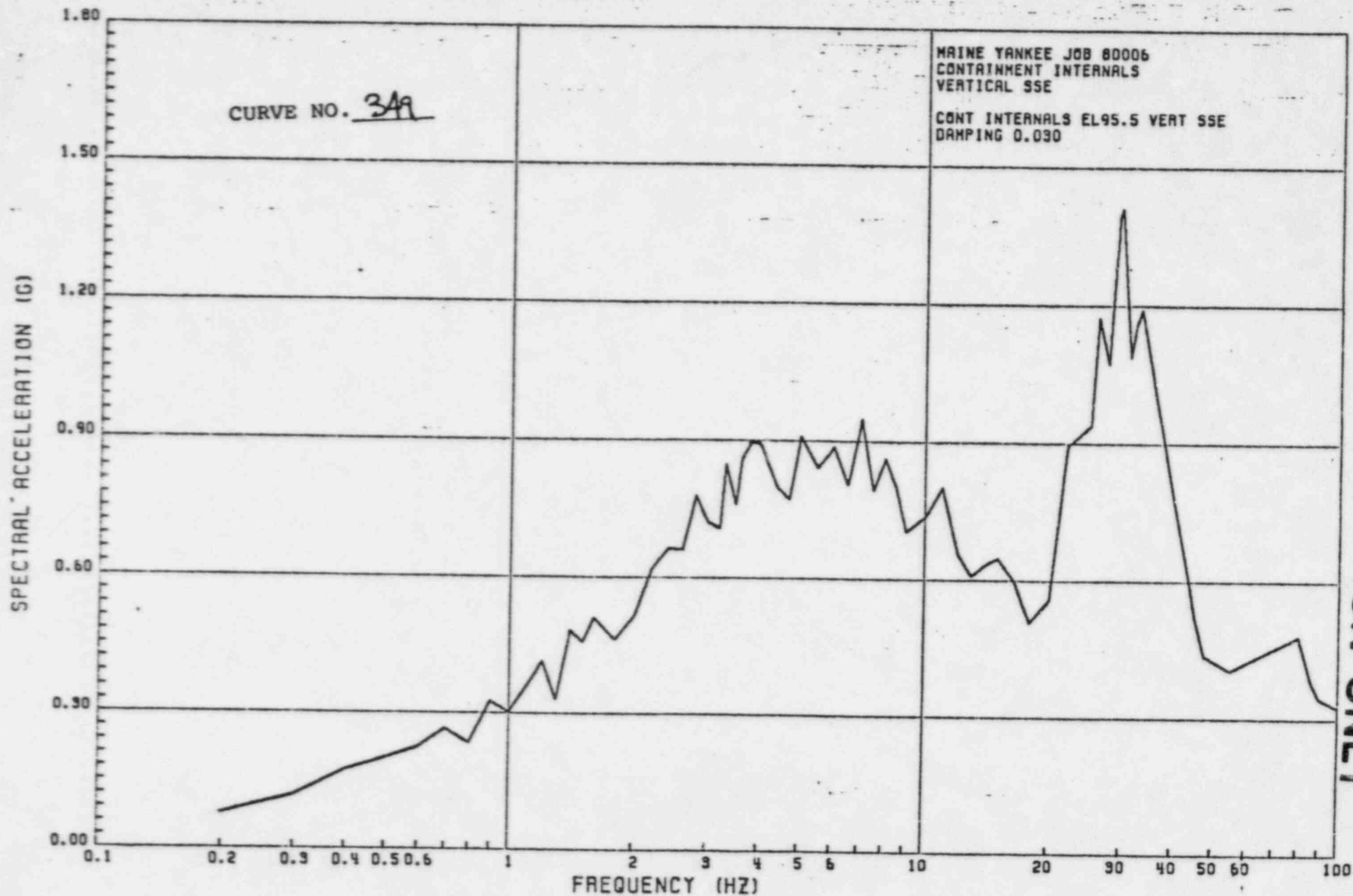


EES



FOR INFORMATION ONLY

EES



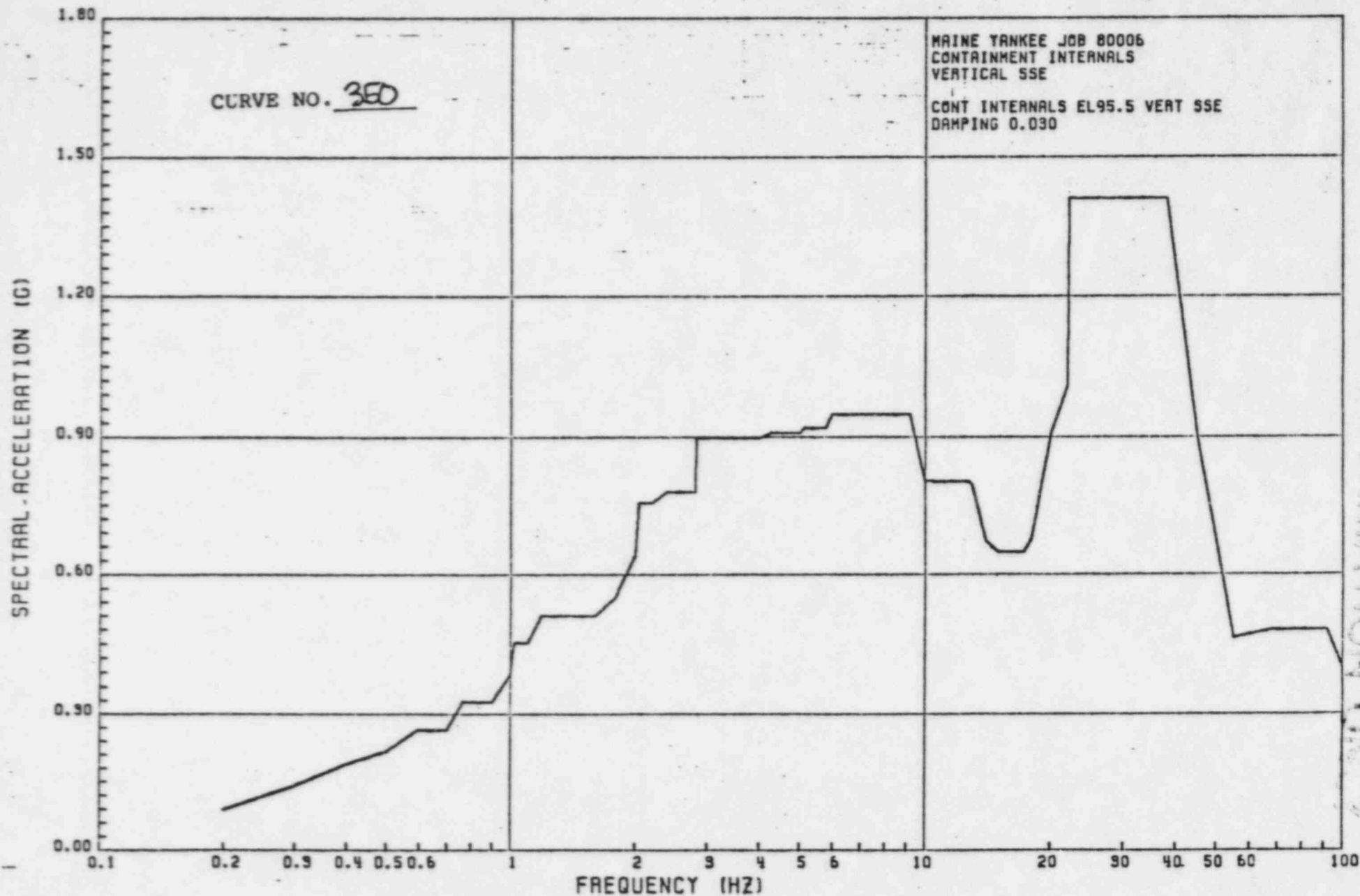
FOR INFORMATION ONLY

EES

CURVE NO. 350

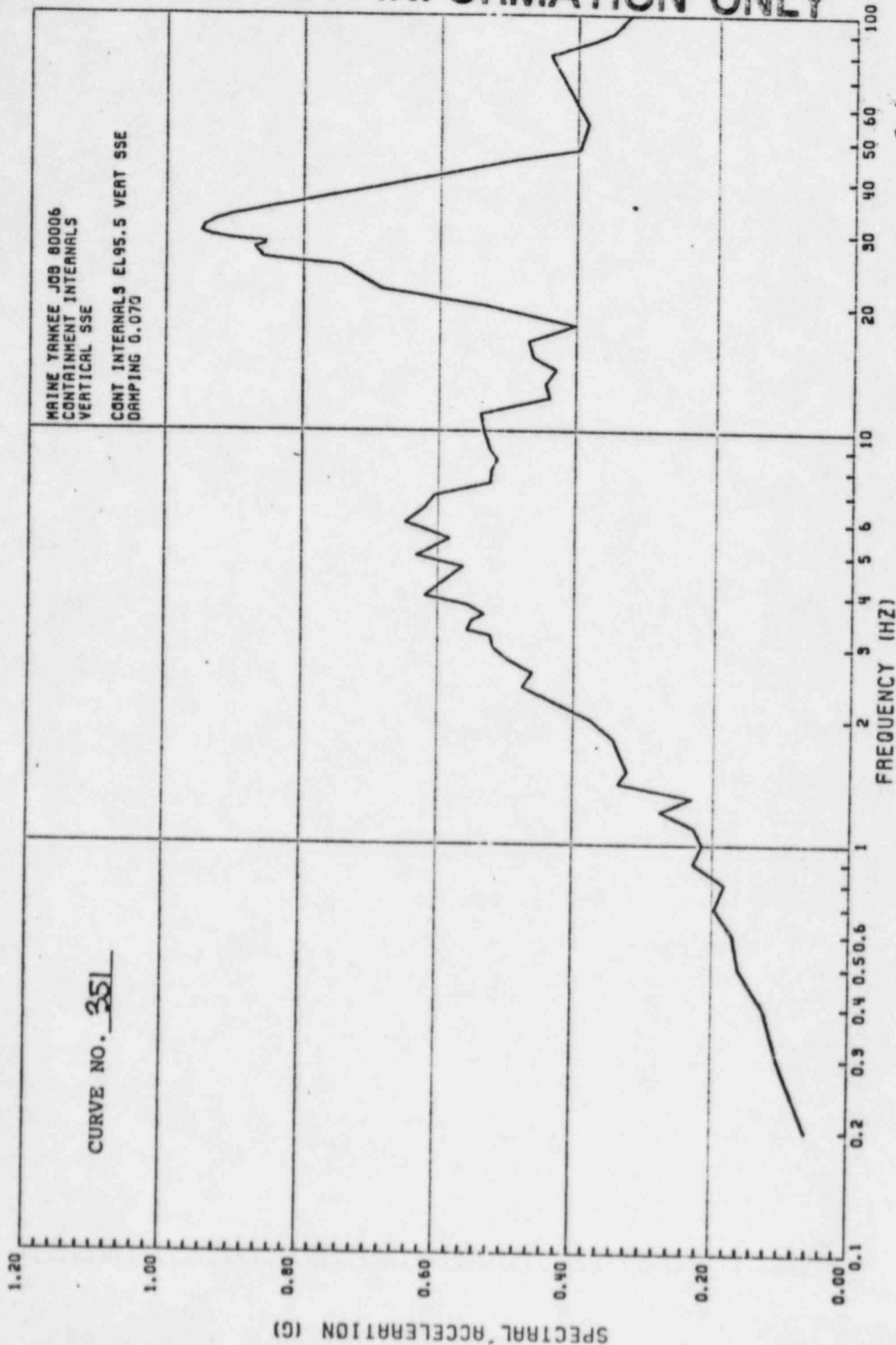
MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL SSE

CONT INTERNALS EL95.5 VERT SSE
DAMPING 0.030



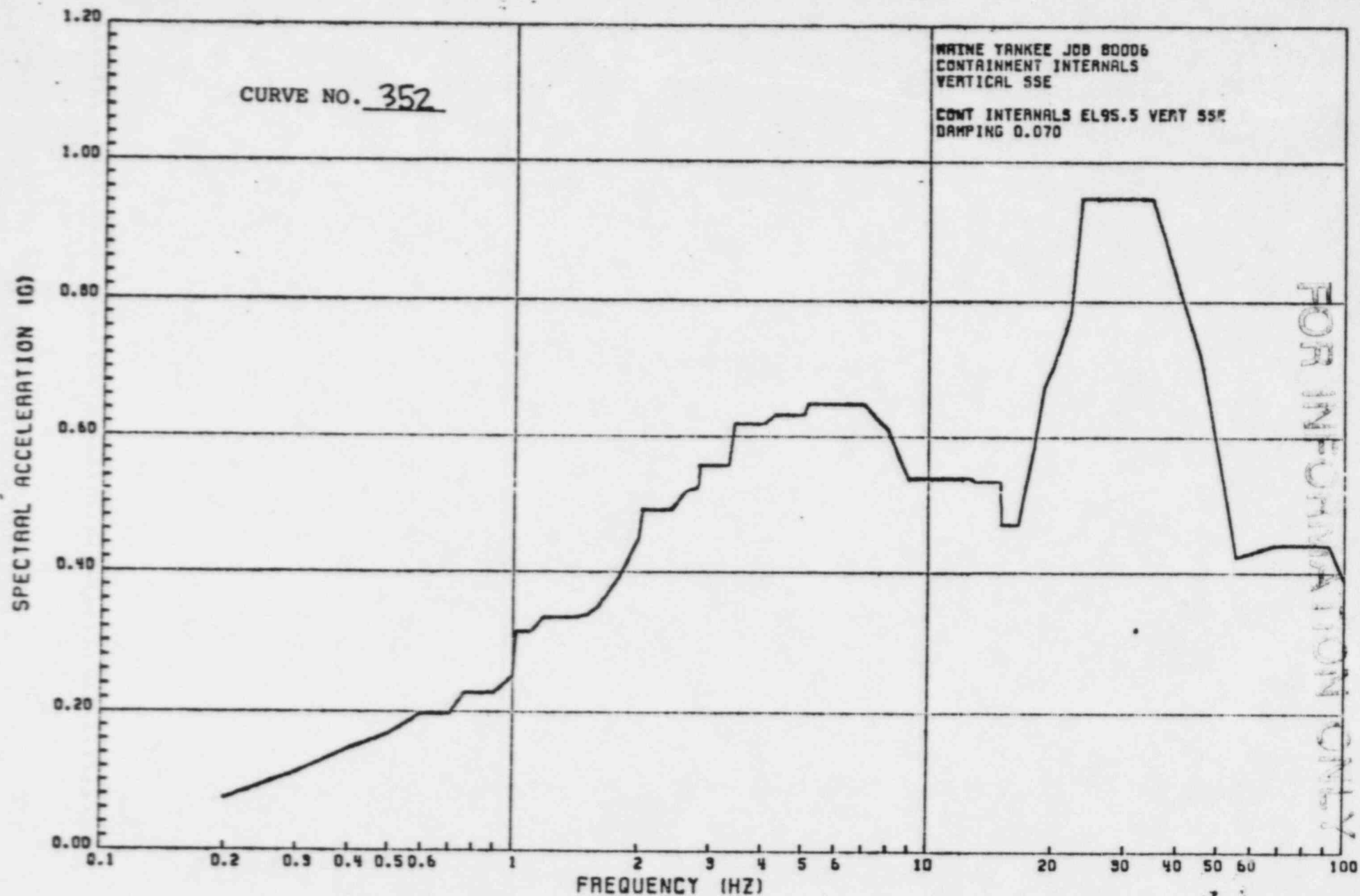
EARTHQUAKE ENGINEERING SYSTEMS

EES



FOR INFORMATION ONLY

EES



EES

CURVE NO. 353

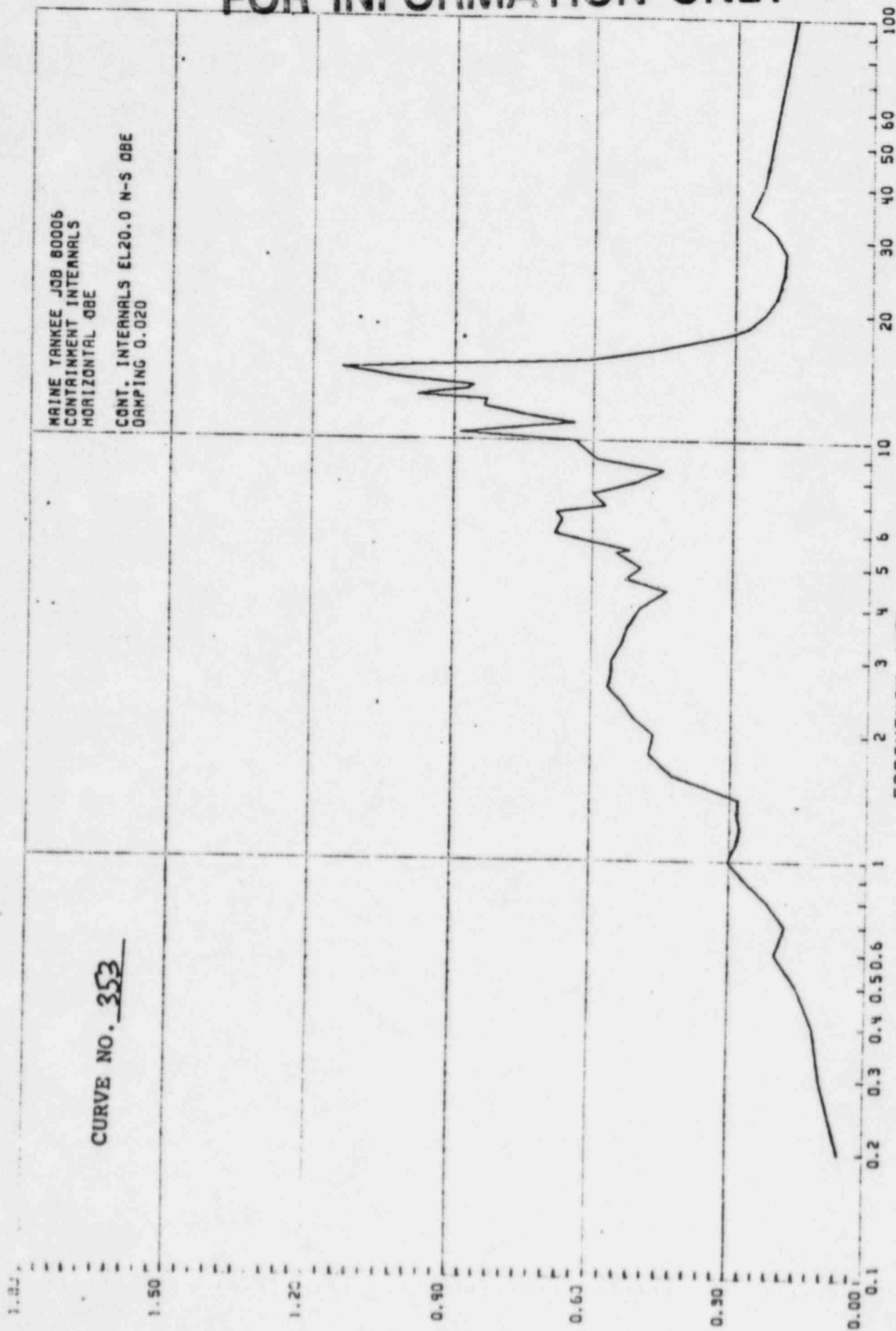
MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL QBE
CONT. INTERNALS EL20.0 N-S QBE
DAMPING 0.020

SPECTRAL ACCELERATION (G)

FREQUENCY (HZ)

FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS



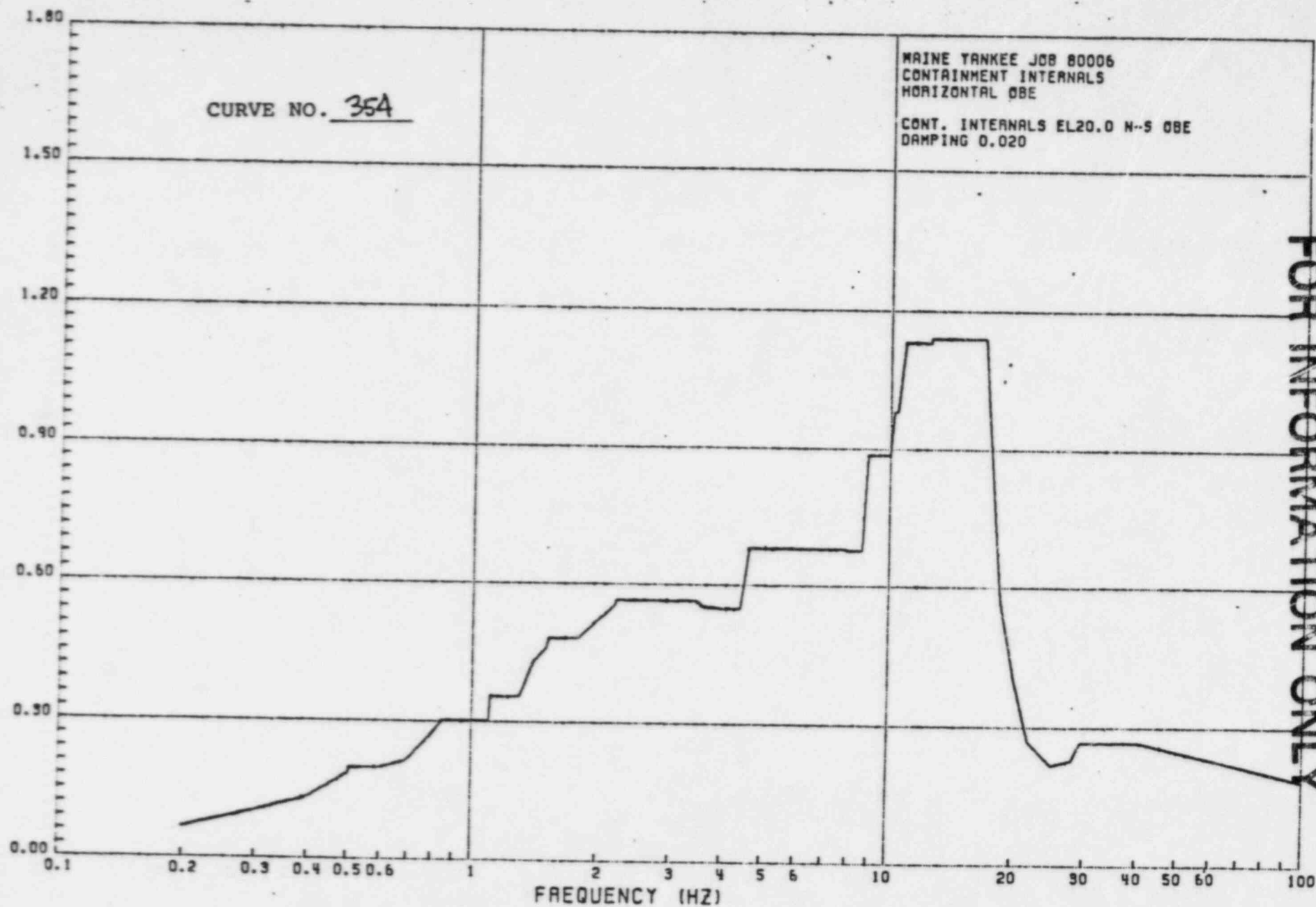
EES

CURVE NO. 354

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

CONT. INTERNALS EL20.0 N-S OBE
DAMPING 0.020

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

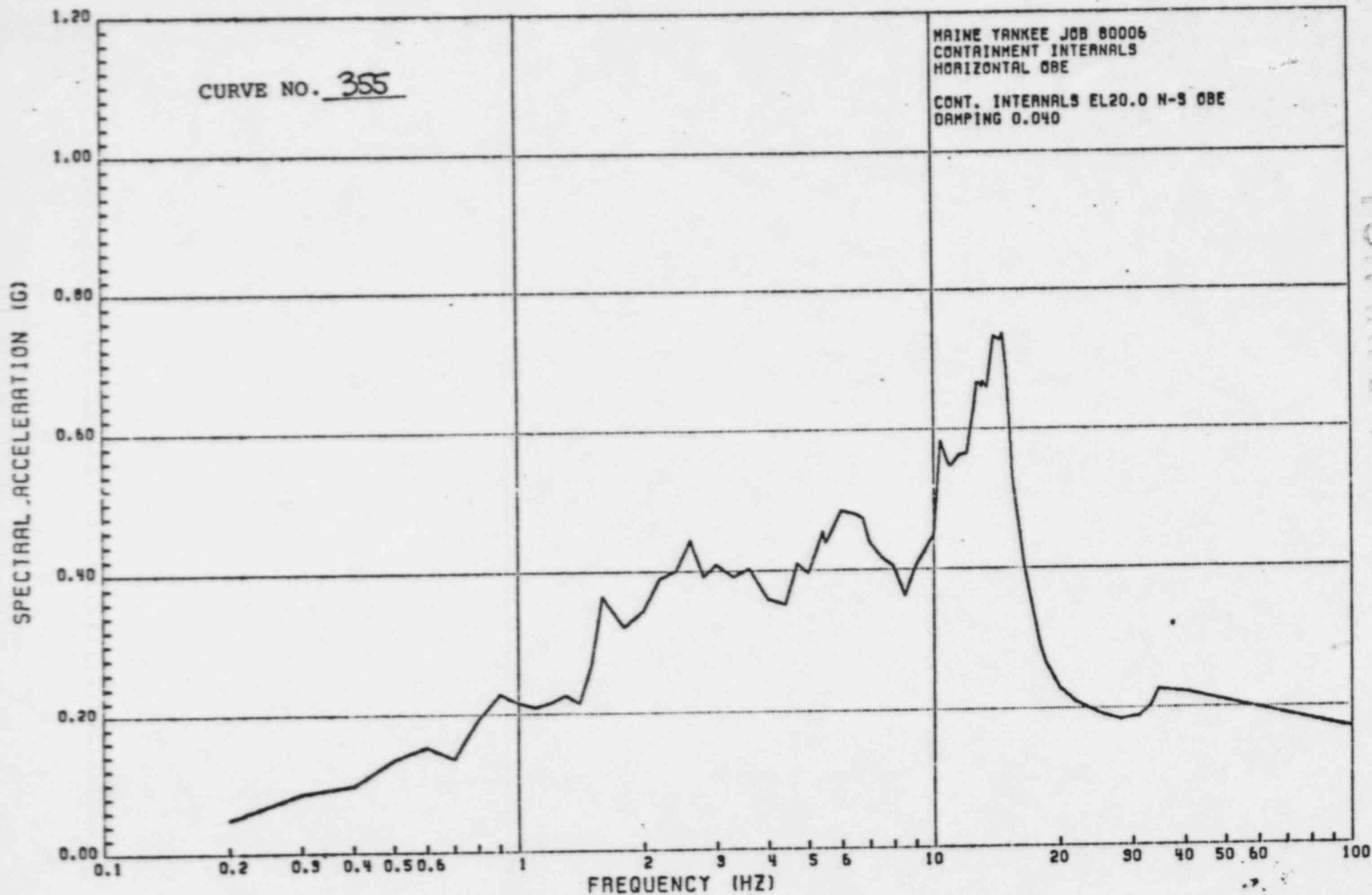
EES

CURVE NO. 355

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

CONT. INTERNALS EL20.0 N-S OBE
DAMPING 0.040

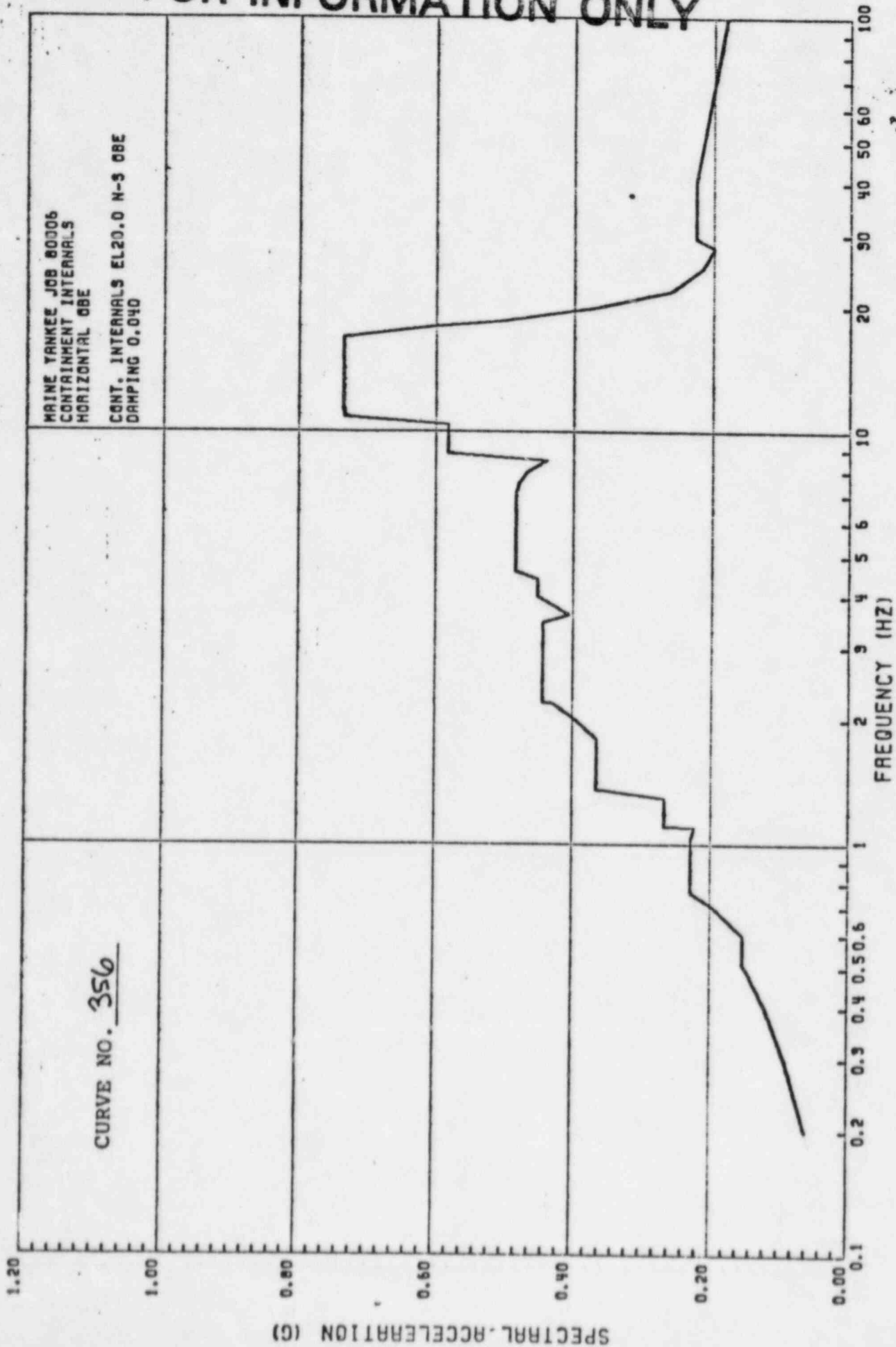
FOR INFORMATION ONLY



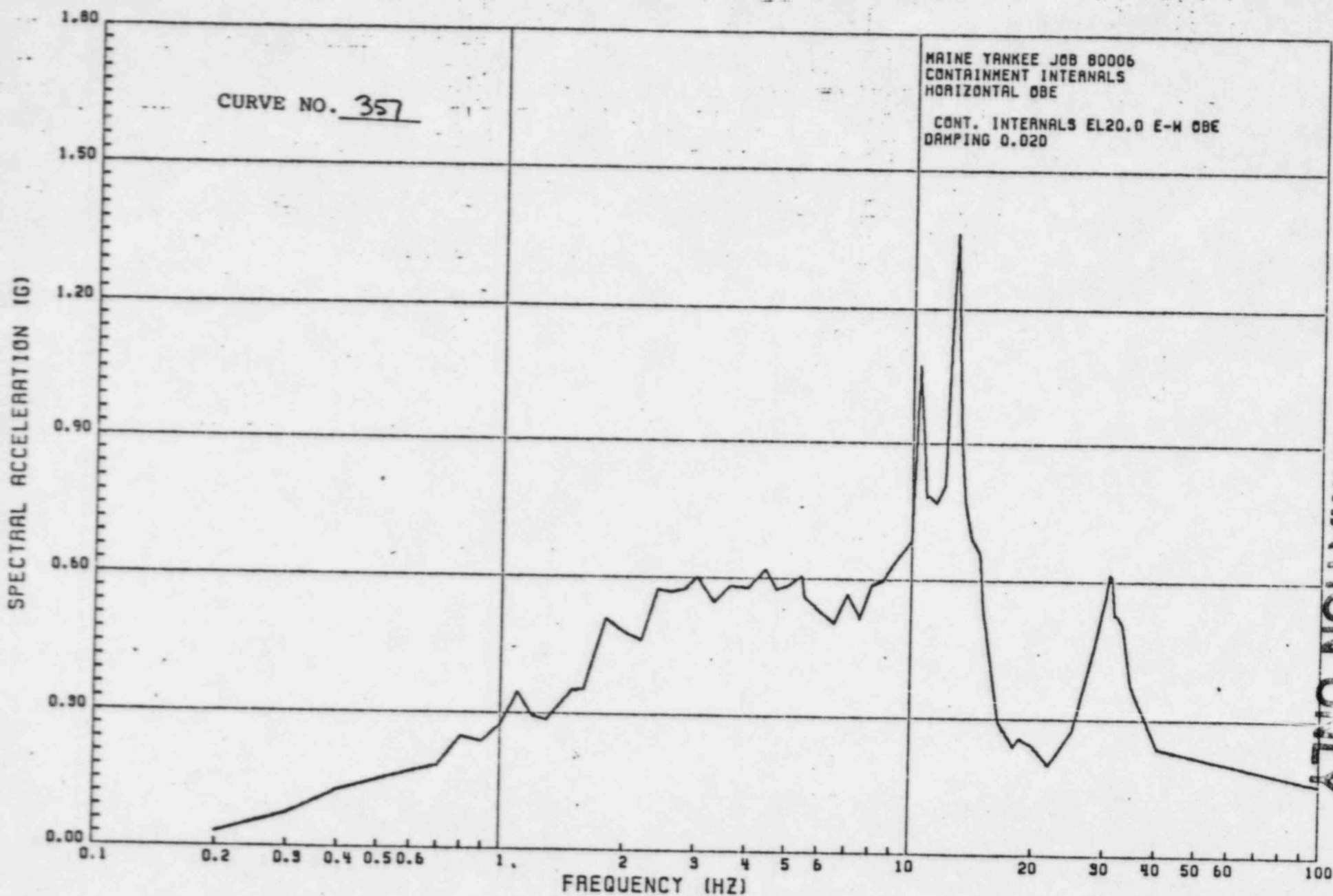
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 356



ELS



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 358

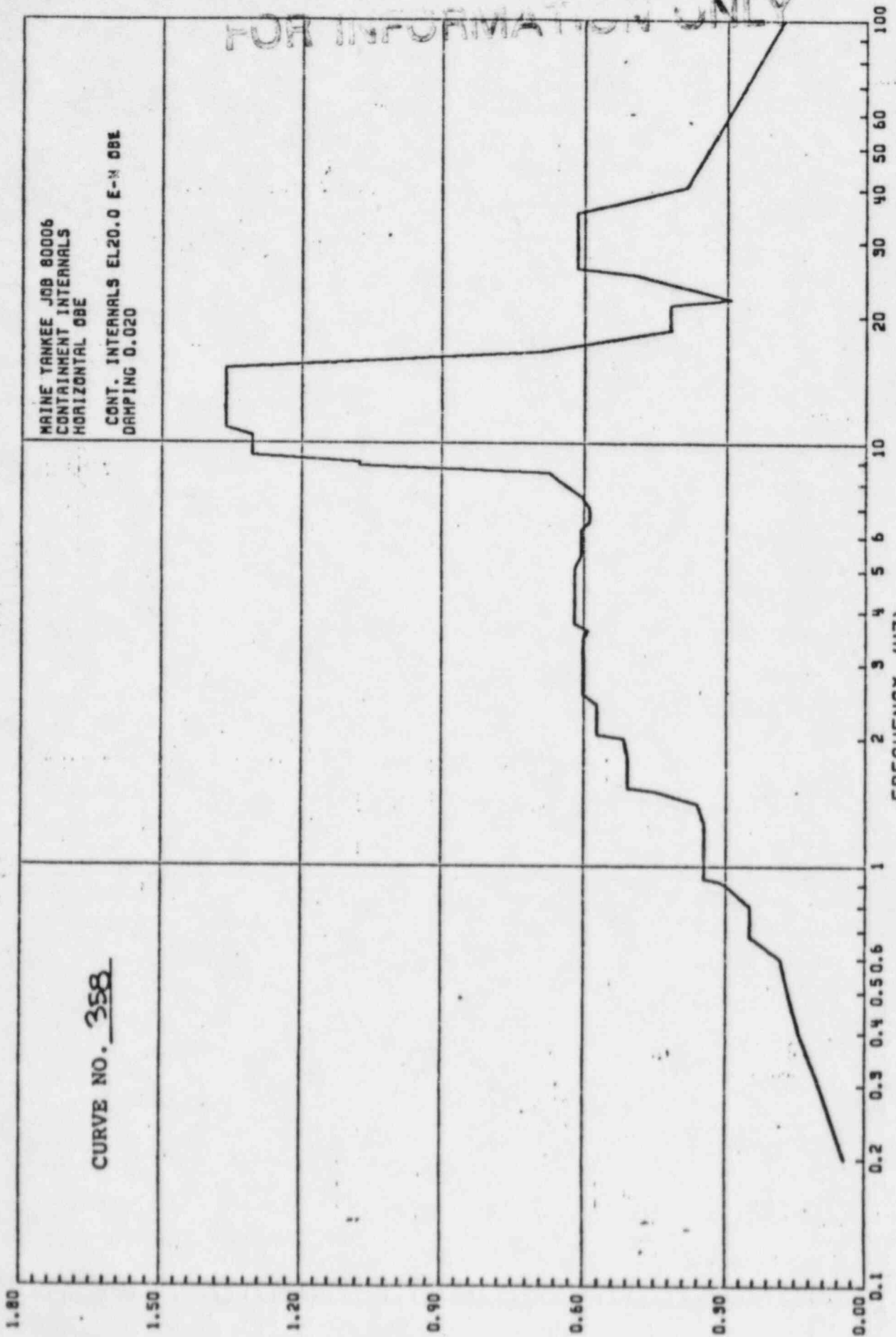
MAINE TANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE
CONT. INTERNALS EL20.0 E-M OBE
DAMPING 0.020

SPECTRAL ACCELERATION (G)

FREQUENCY (HZ)

EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY

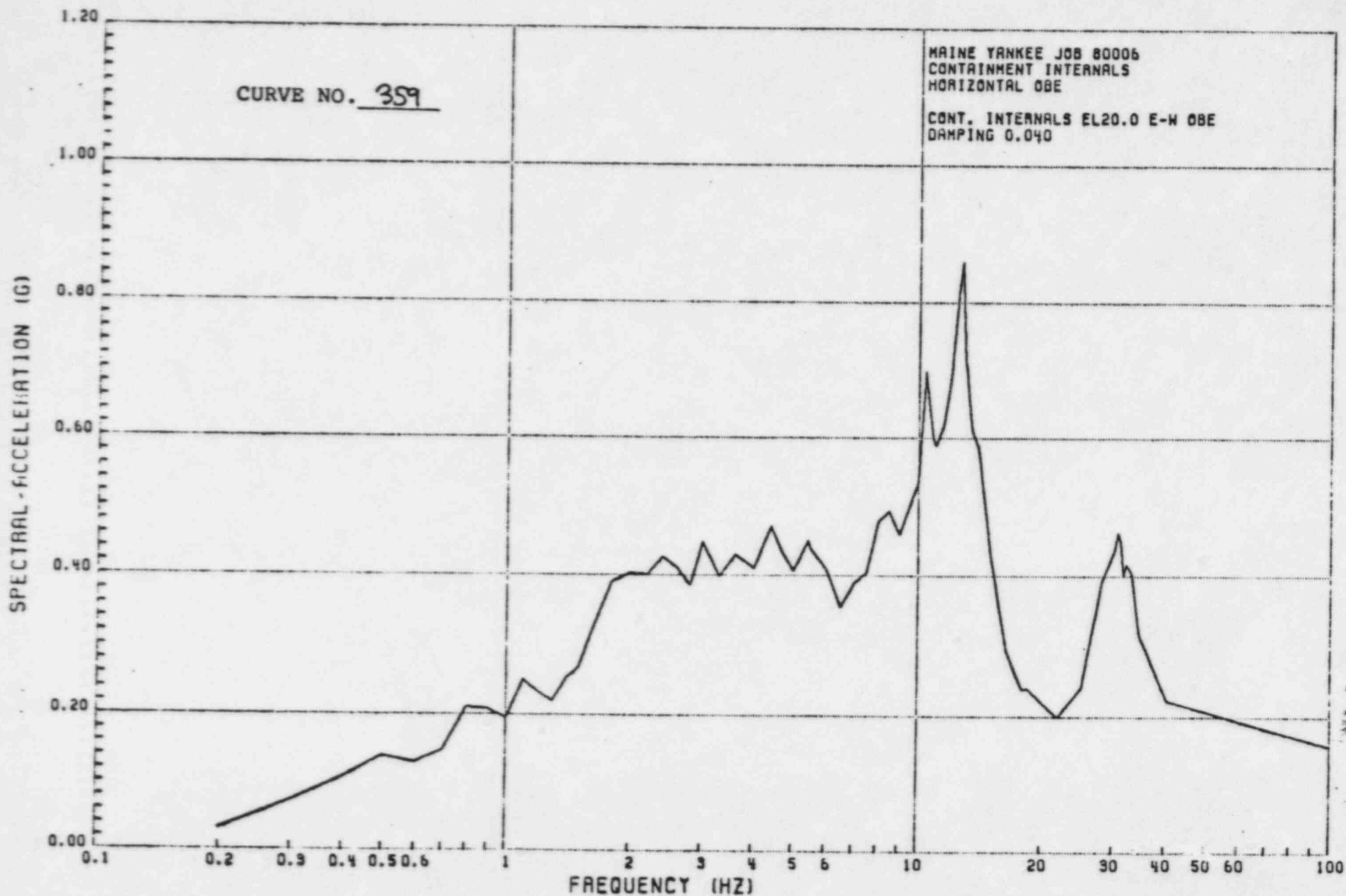


EES

CURVE NO. 359

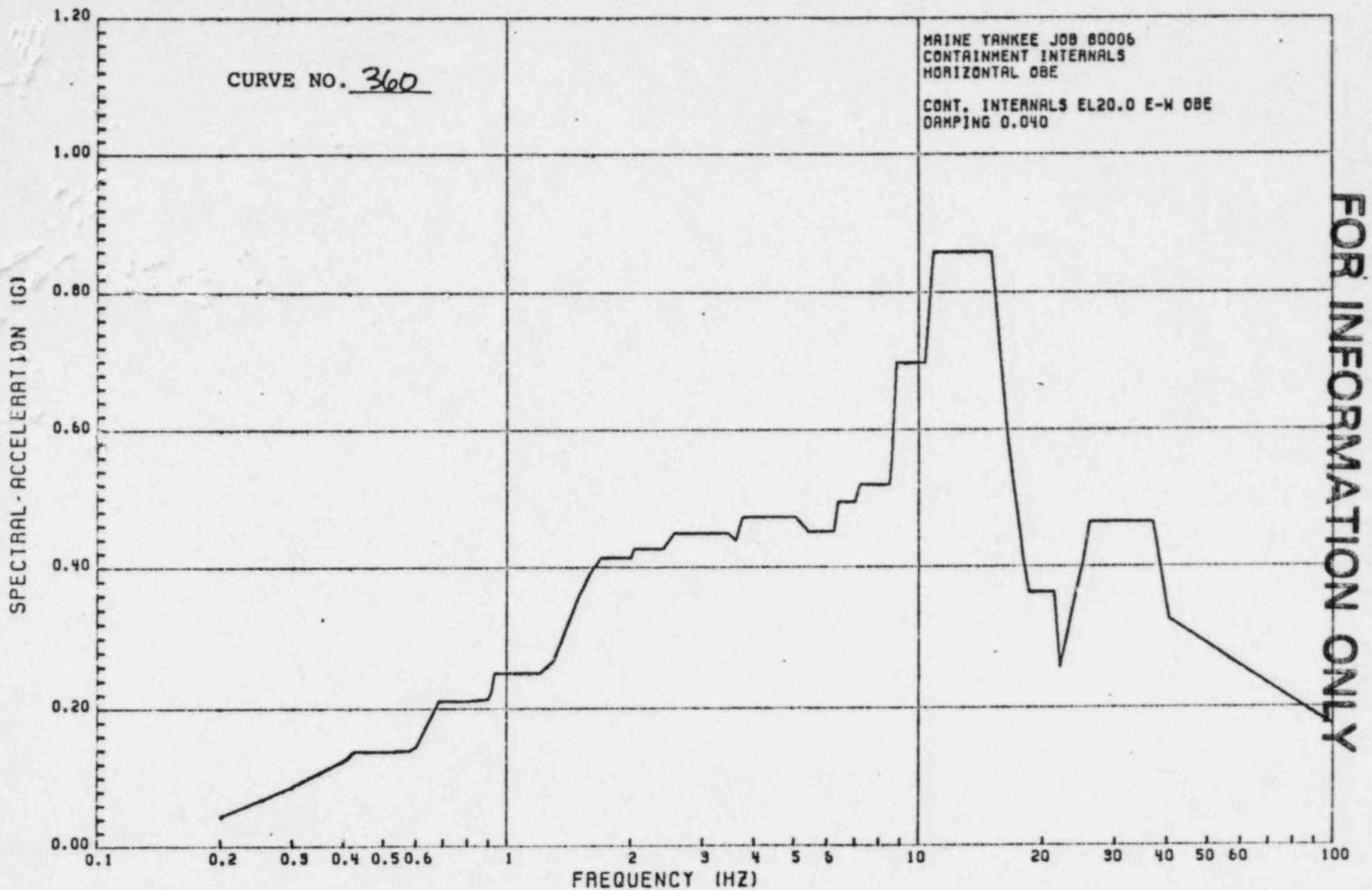
MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

CONT. INTERVALS EL20.0 E-W OBE
DAMPING 0.040



EARTHQUAKE ENGINEERING SYSTEMS

EES



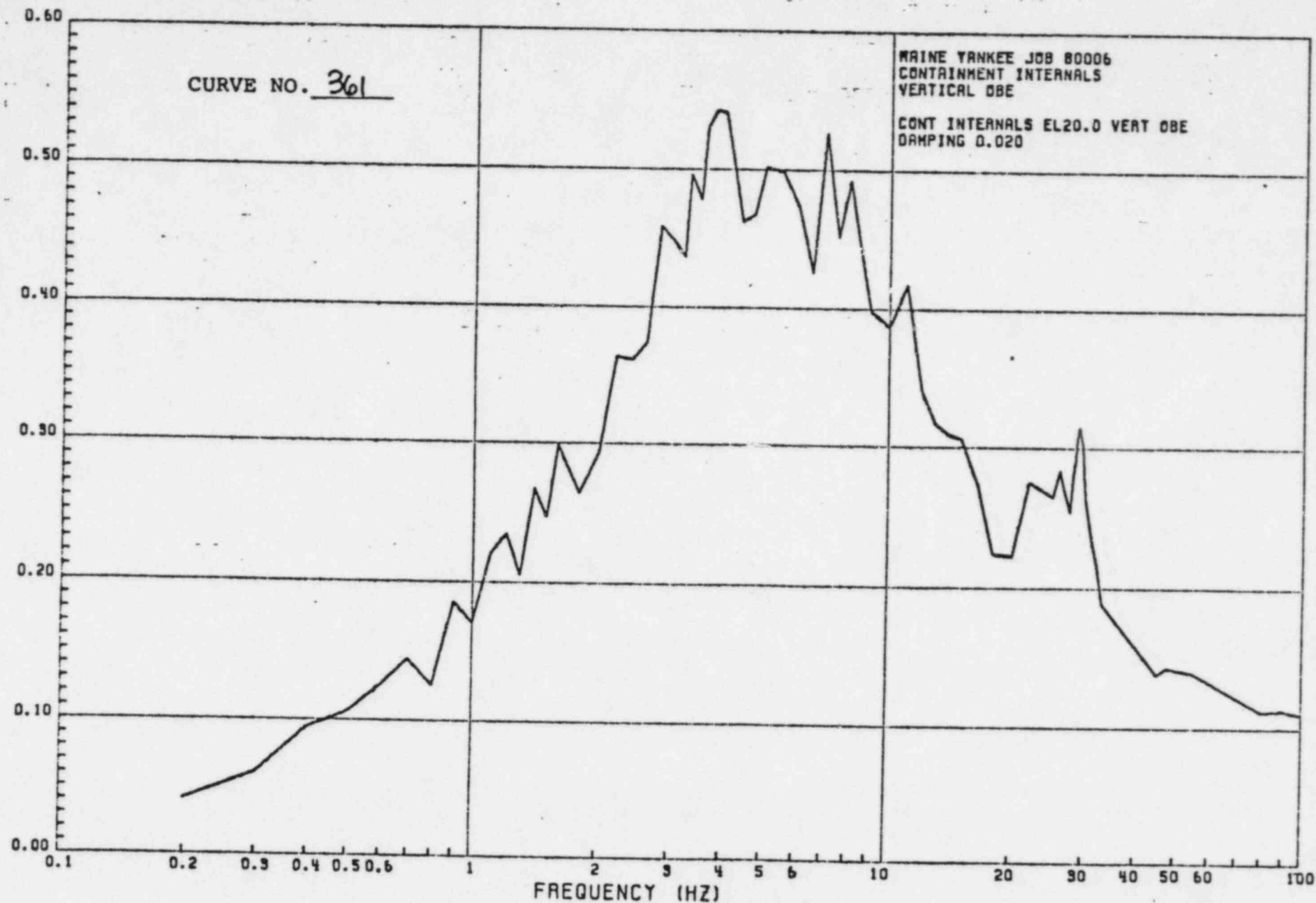
EES

CURVE NO. 361

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL OBE

CONT INTERNALS EL20.0 VERT OBE
DAMPING 0.020

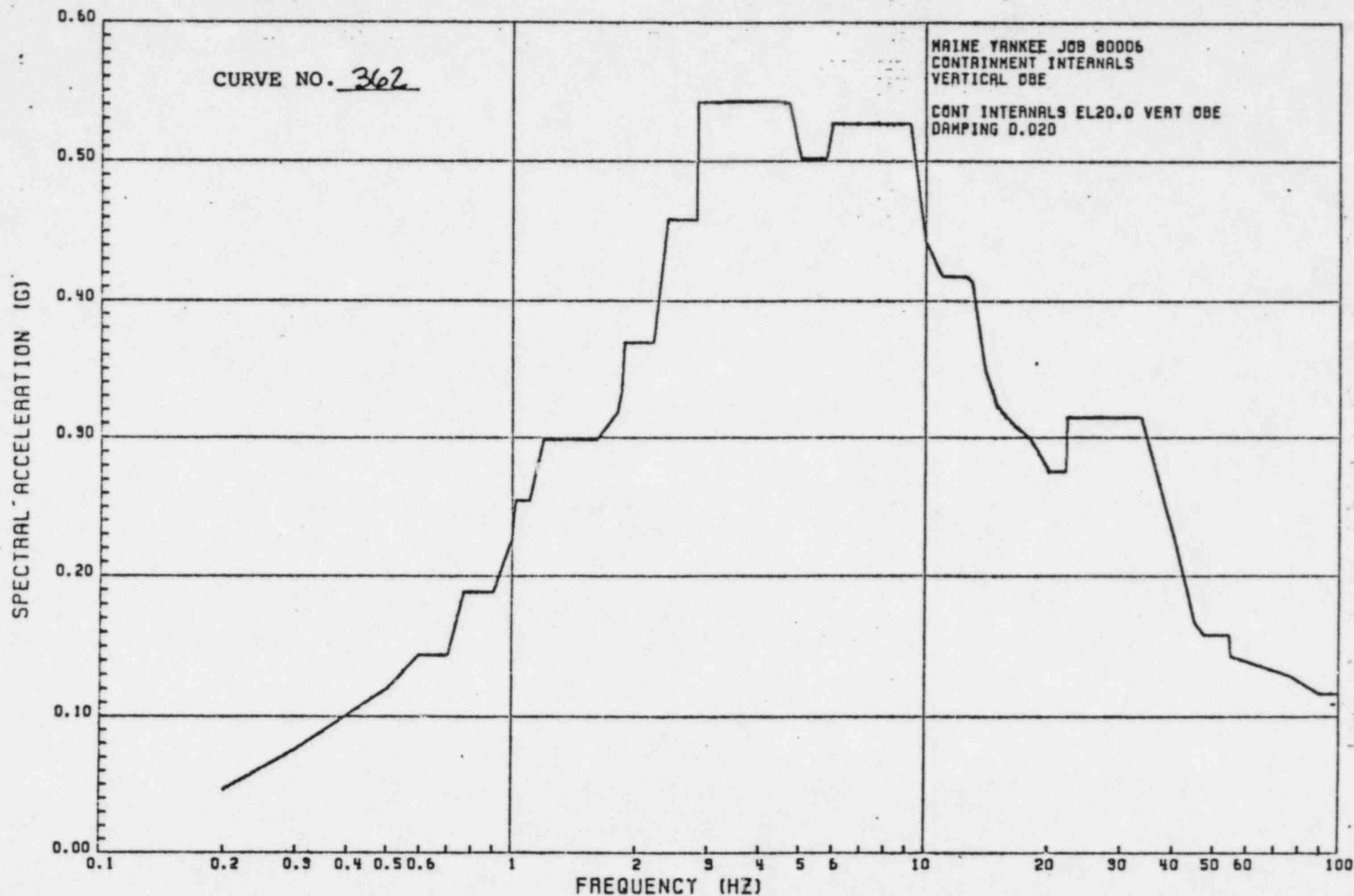
SPECTRAL ACCELERATION (G)



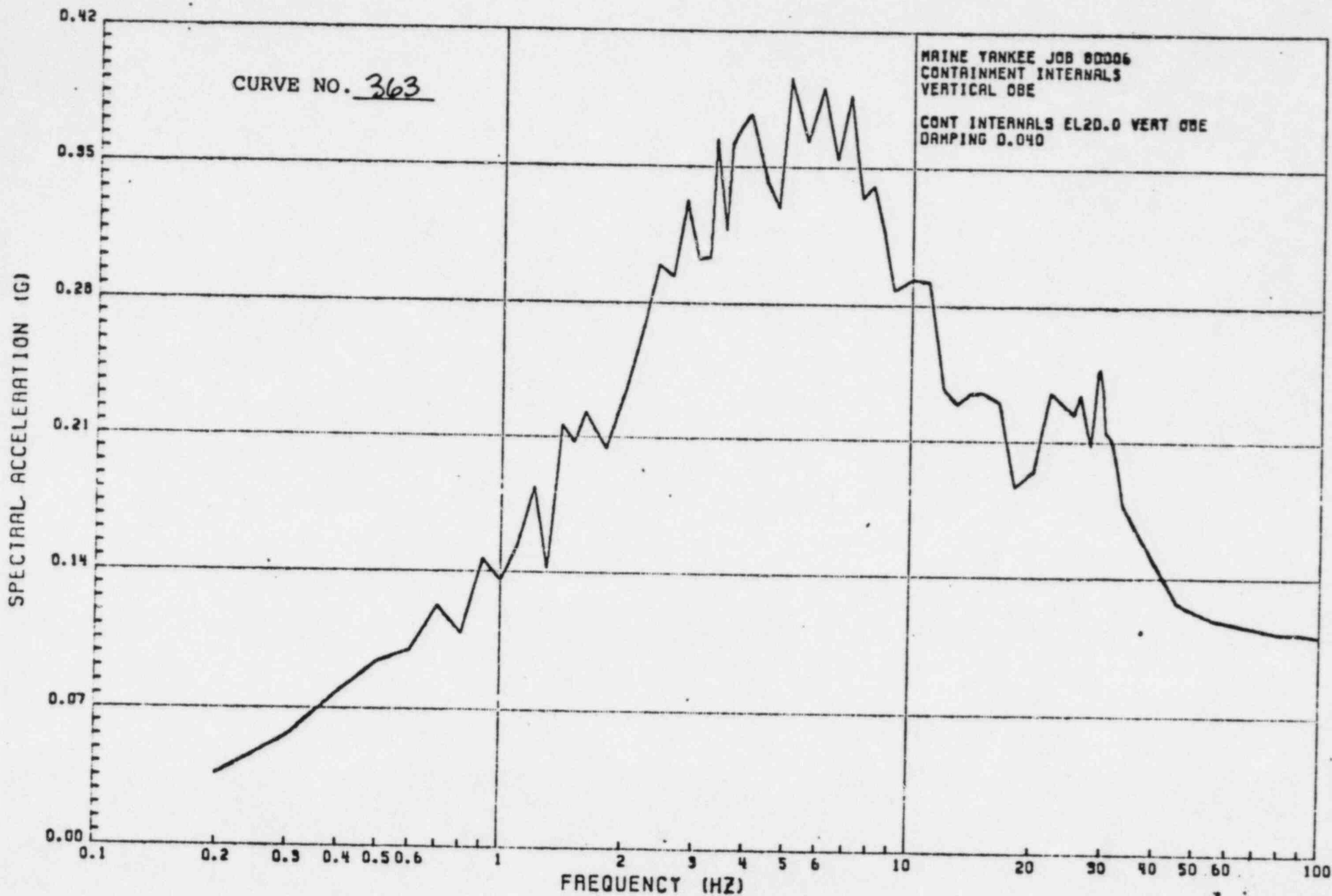
FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES



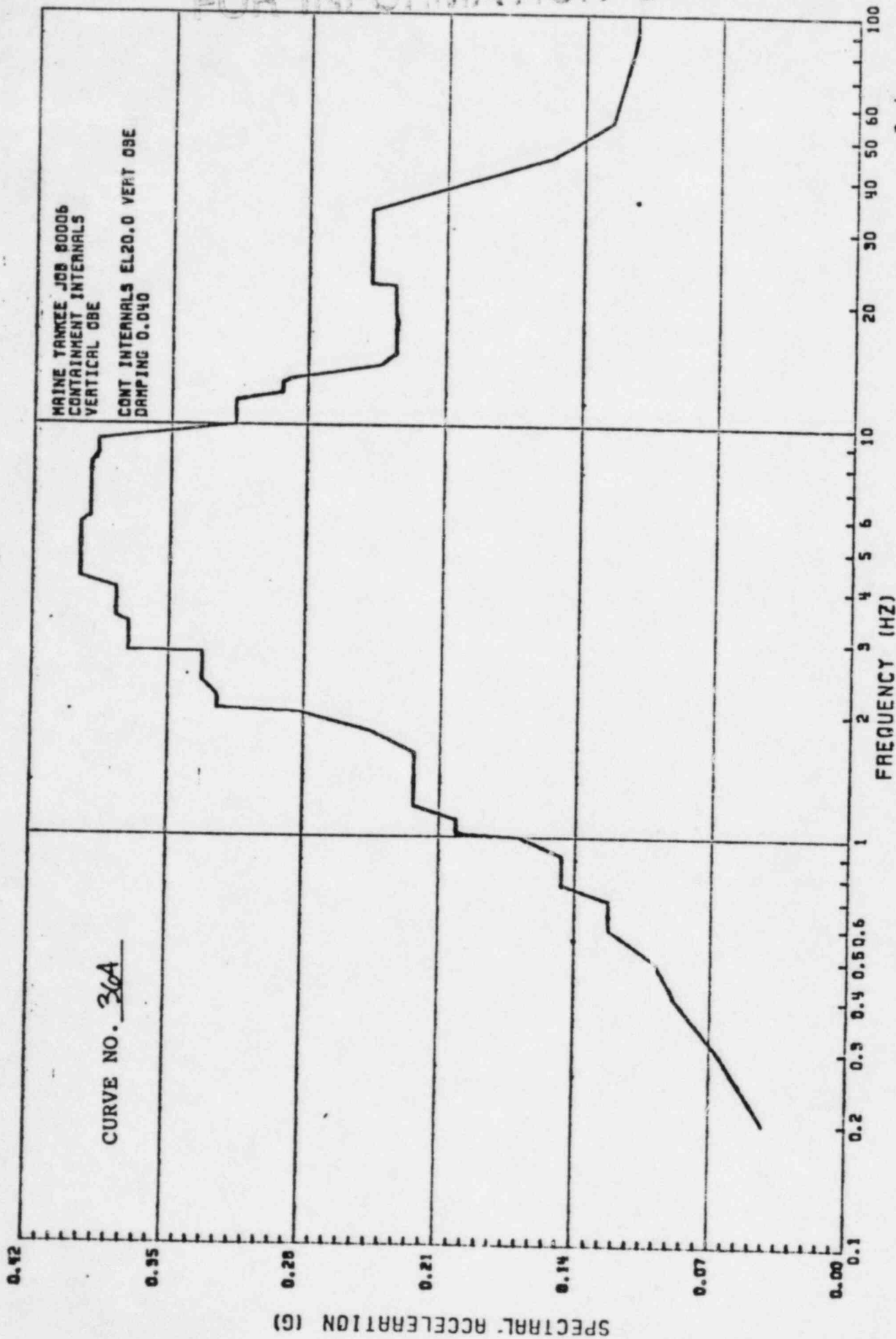
EES



FOR INFORMATION ONLY

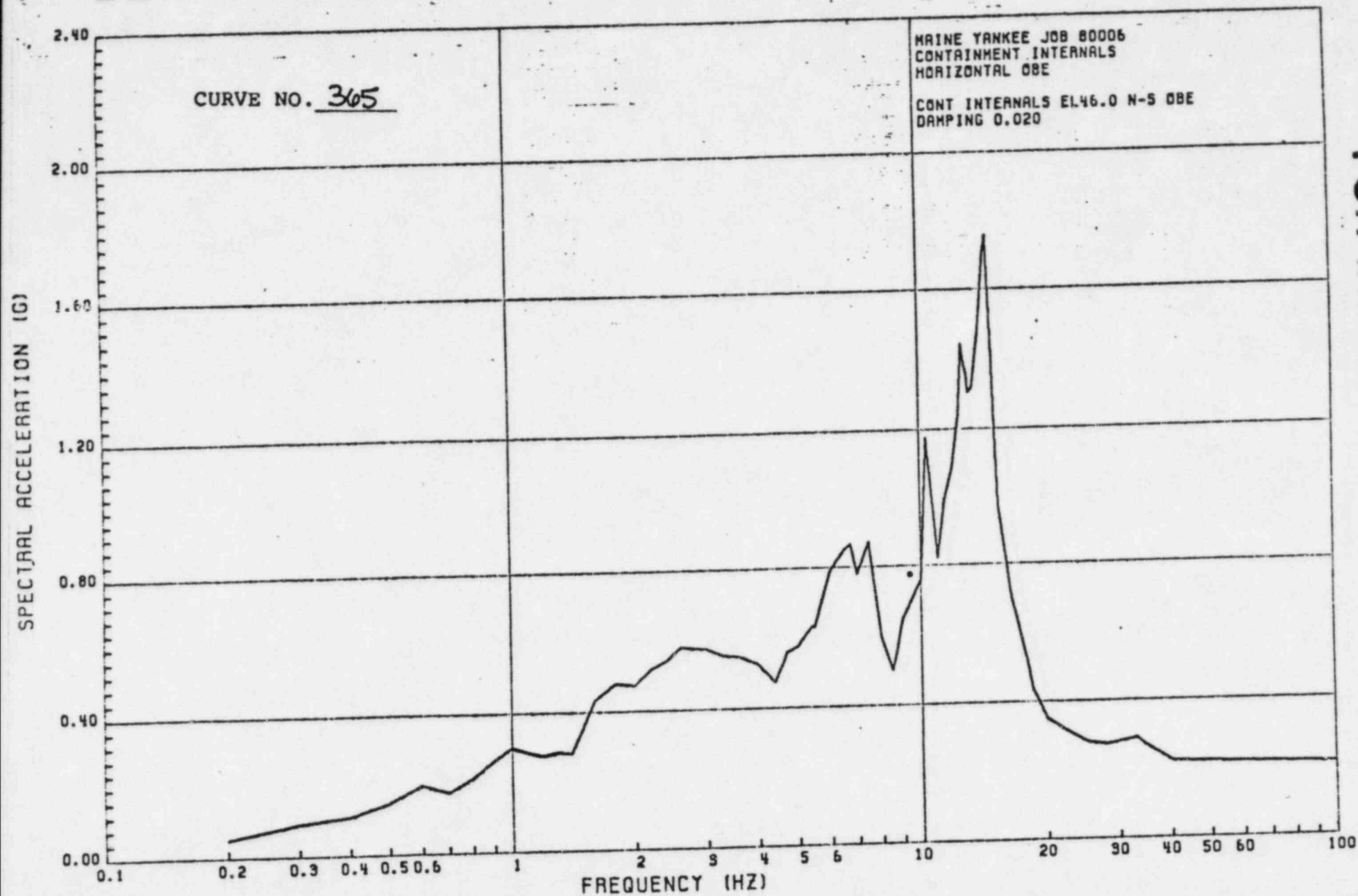
EES

CURVE NO. 36A



EARTHQUAKE ENGINEERING SYSTEMS

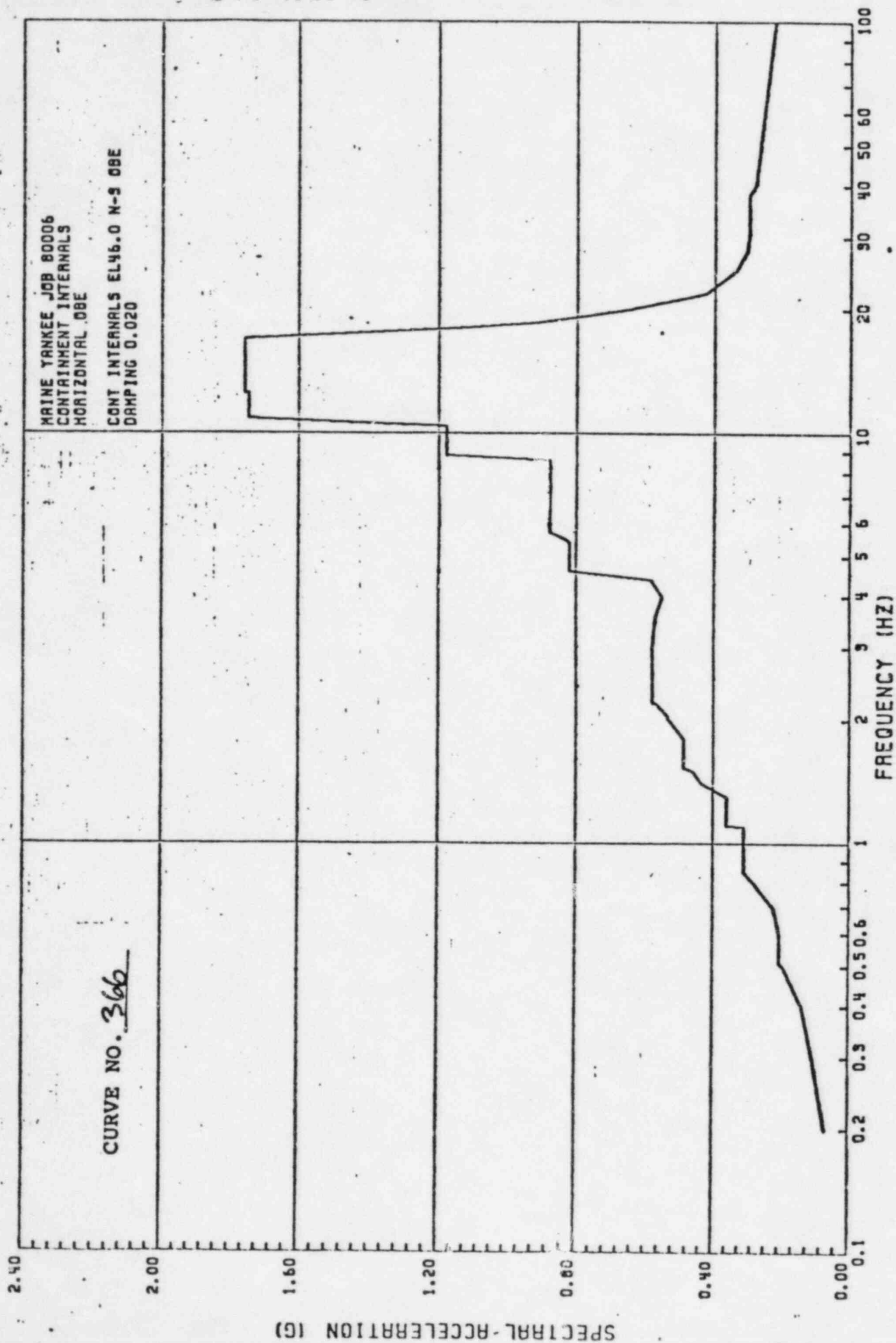
EES



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

FOR INFORMATION ONLY



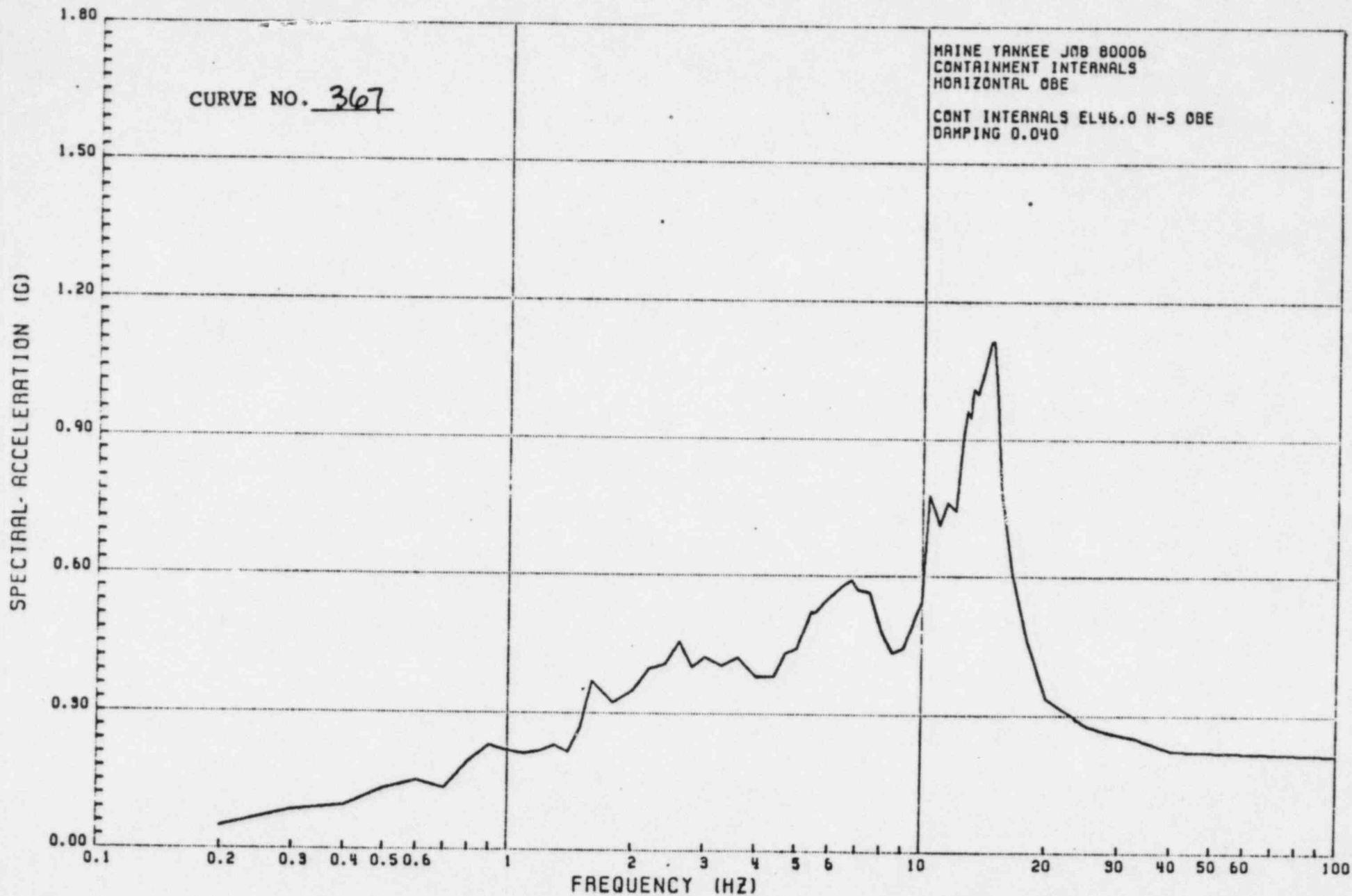
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 367

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

CONT INTERNALS EL46.0 N-S OBE
DAMPING 0.040



EARTHQUAKE ENGINEERING SYSTEMS

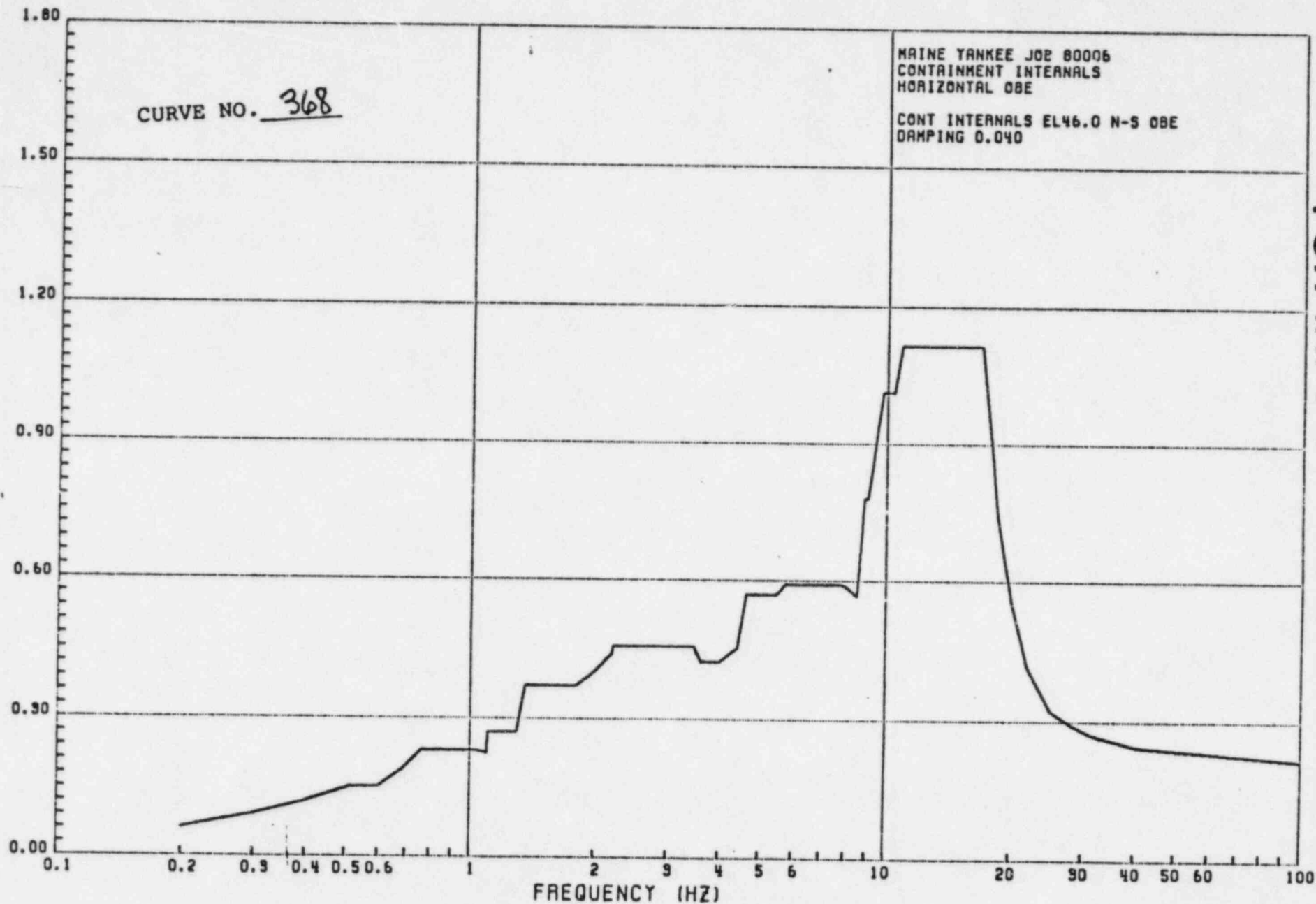
EES

CURVE NO. 368

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

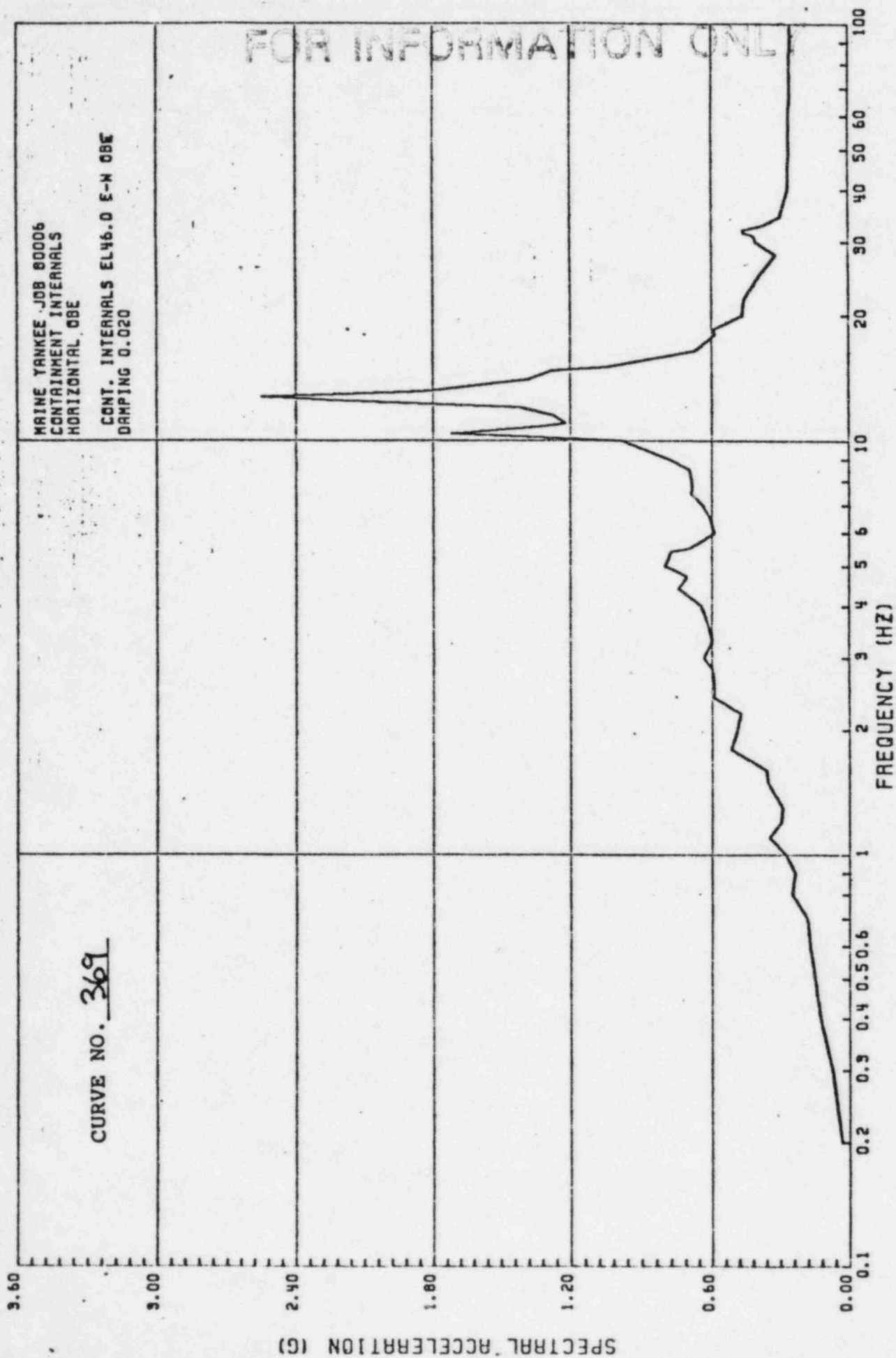
CONT INTERNALS EL46.0 N-S OBE
DAMPING 0.040

FOR INFORMATION ONLY



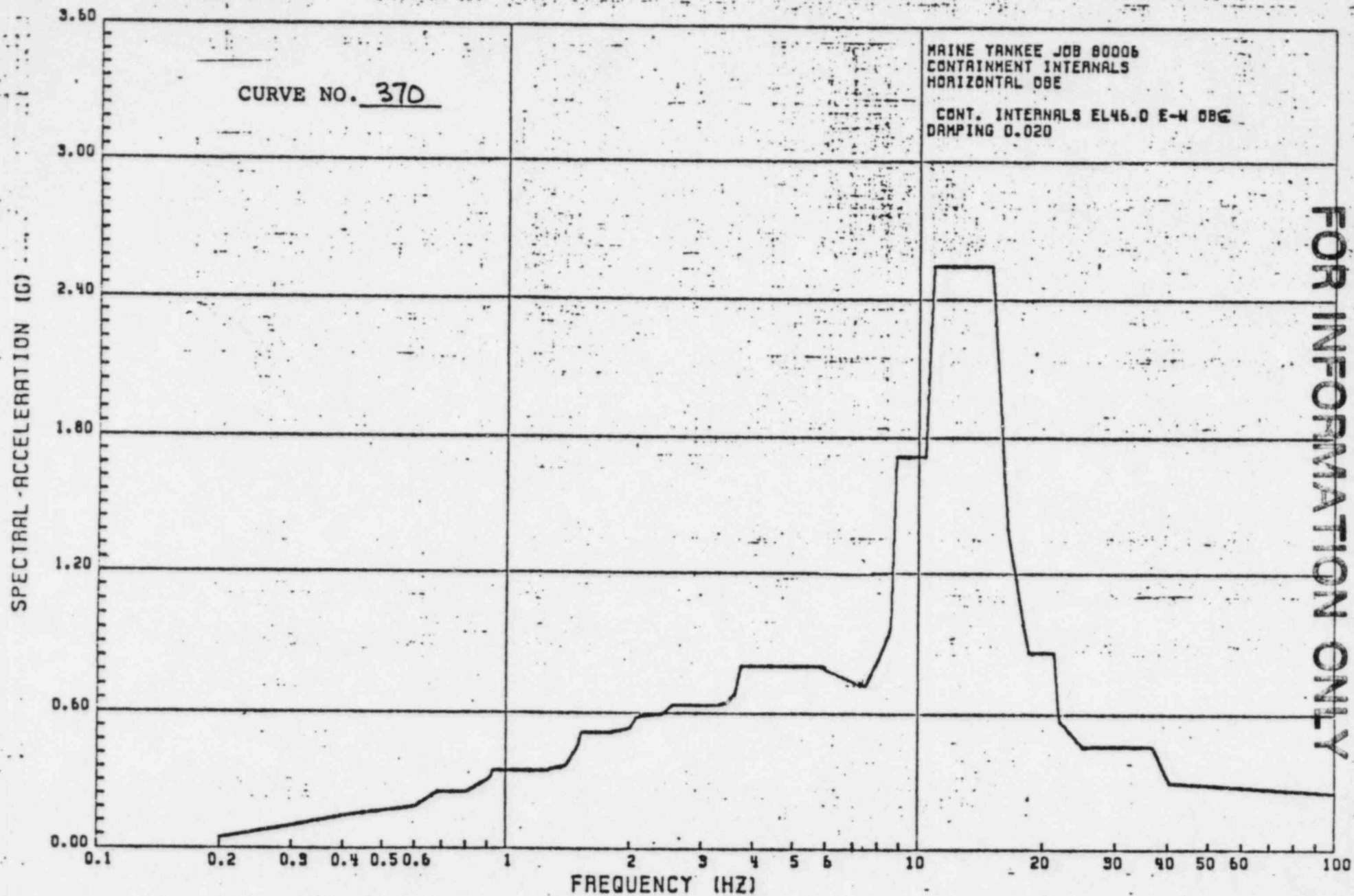
EES

CURVE NO. 369



EARTHQUAKE ENGINEERING SYSTEMS

EES

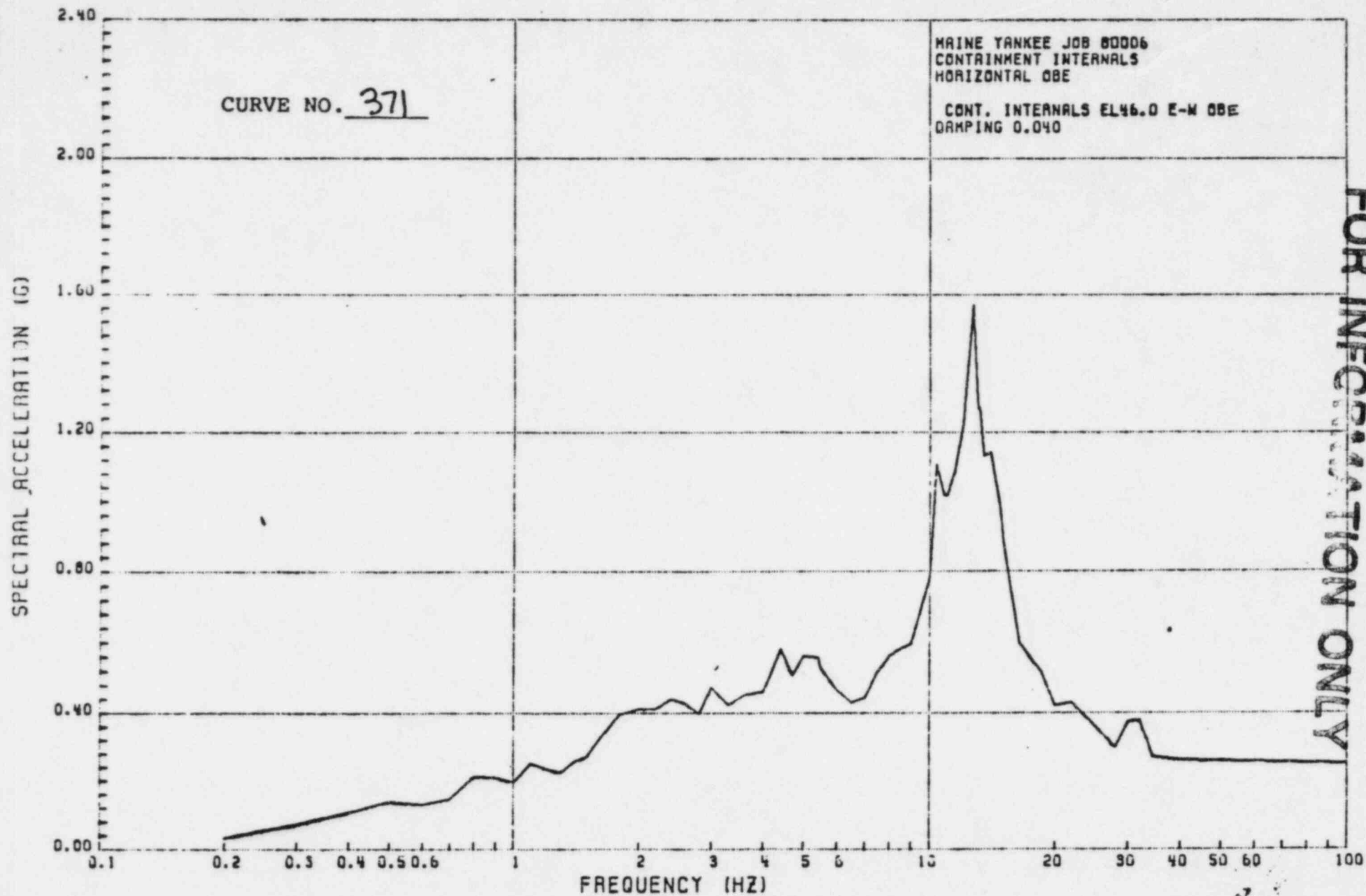


EES

CURVE NO. 371

MAINE TANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

CONT. INTERNALS EL46.0 E-W OBE
DAMPING 0.040



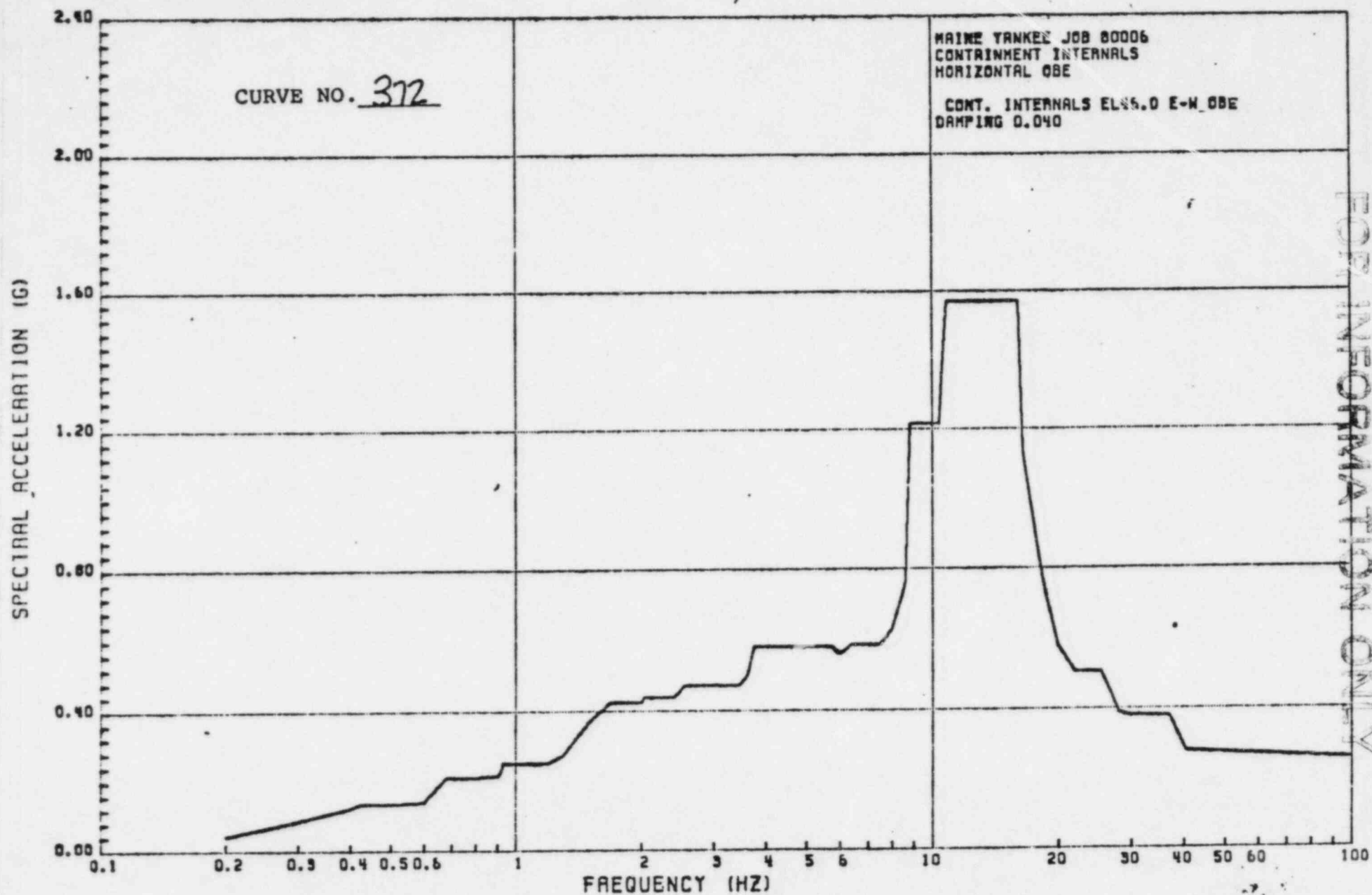
FOR INFORMATION ONLY

EES

CURVE NO. 372

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

CONT. INTERNALS EL 55.0 E-W OBE
DAMPING 0.040



EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 373

1.20

1.00

SPECTRAL ACCELERATION (G)

0.80

0.60

0.40

0.20

0.00

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL CBE

CONT. INTERNALS EL46.0 VERT CBE
DAMPING 0.020

FOR INFORMATION ONLY

FREQUENCY (HZ)

0.2 0.3 0.4 0.5 0.6 1 2 3 4 5 6 10 20 30 40 50 60 100

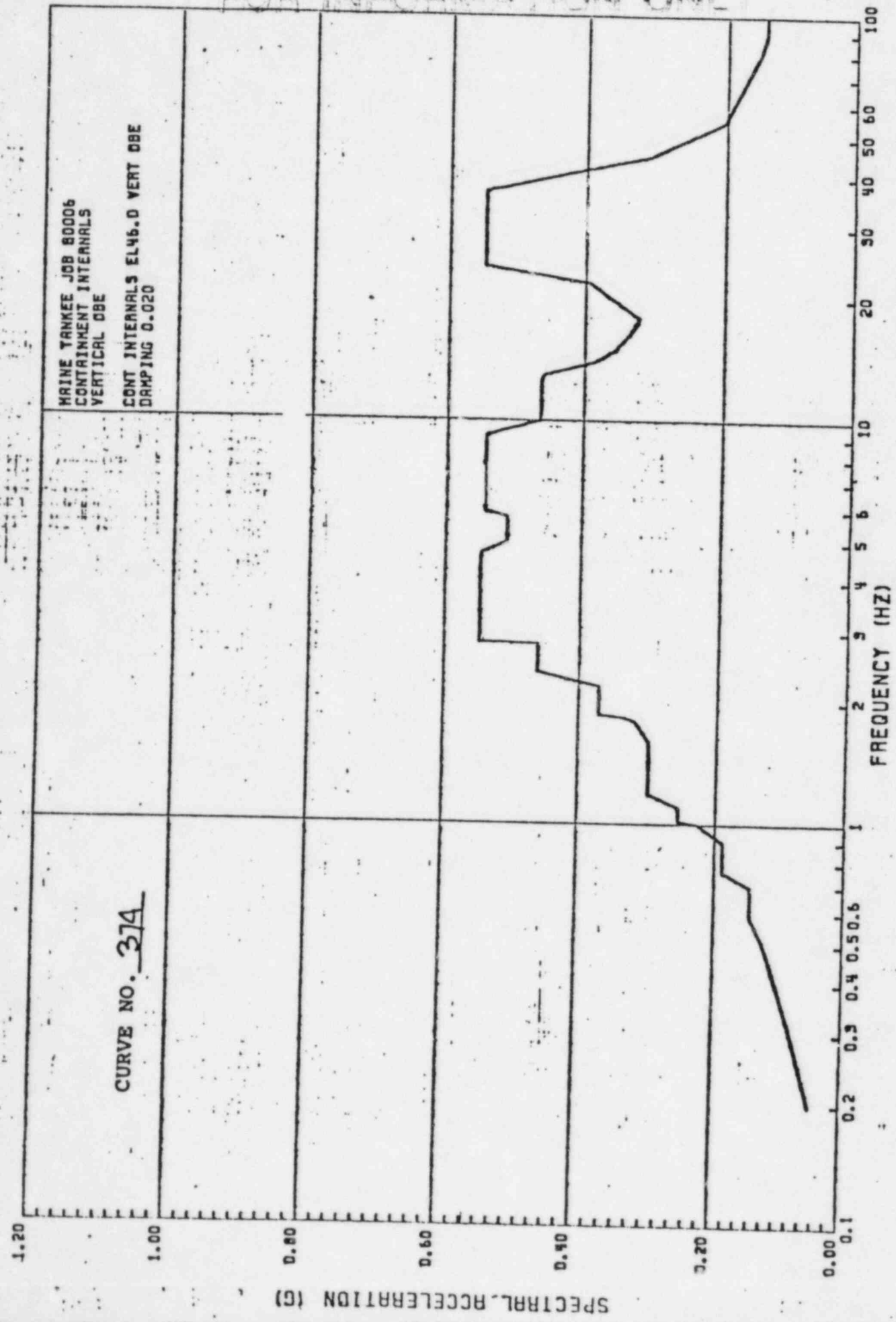
EARTHQUAKE ENGINEERING SYSTEMS

ELS

CURVE NO. 374

MAINE TANKER JOB 80006
CONTAINMENT INTERNALS
VERTICAL OBE
CONT INTERNALS EL46.0 VERT OBE
DAMPING 0.020

FOR INFORMATION ONLY



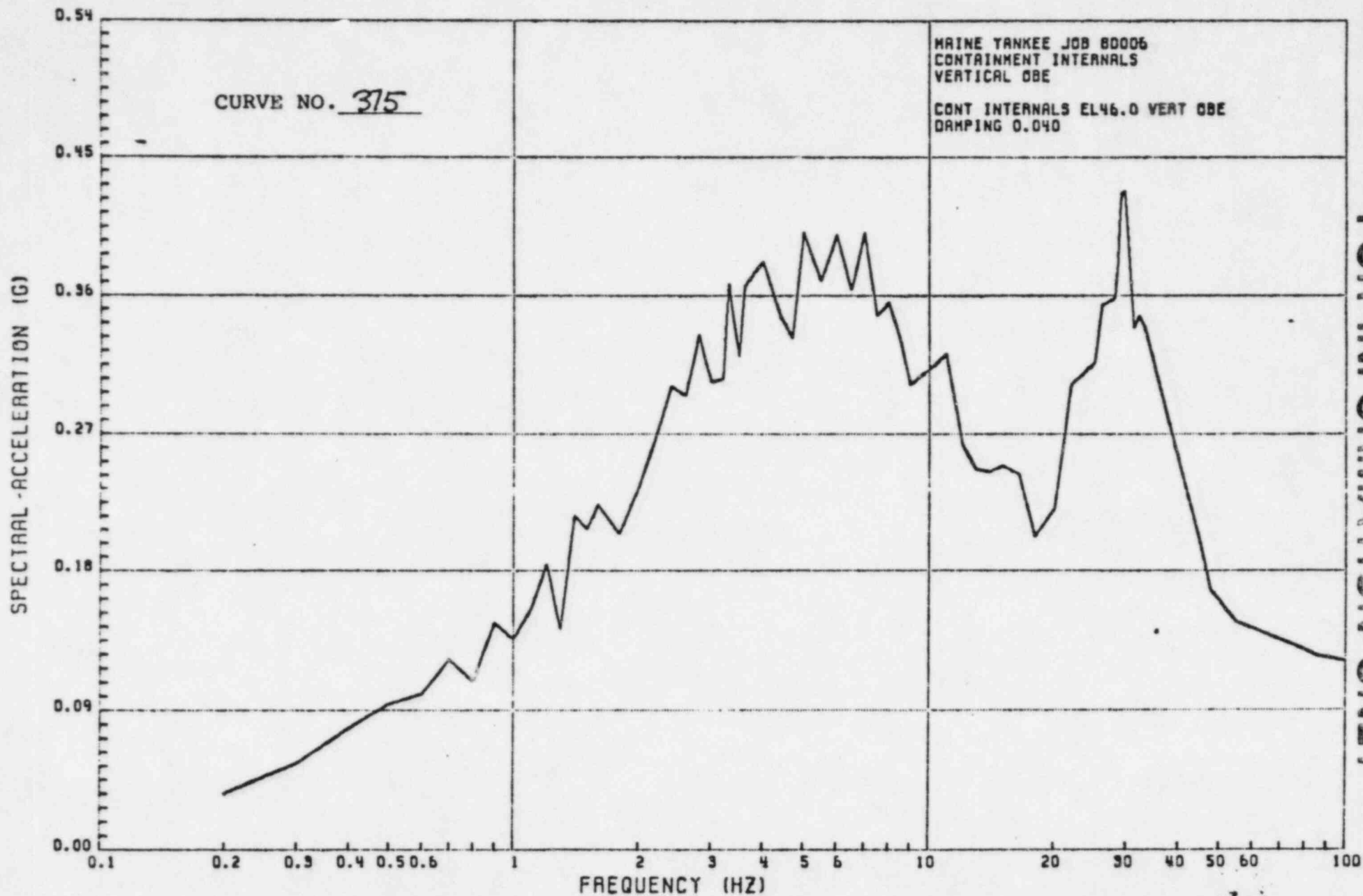
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 315

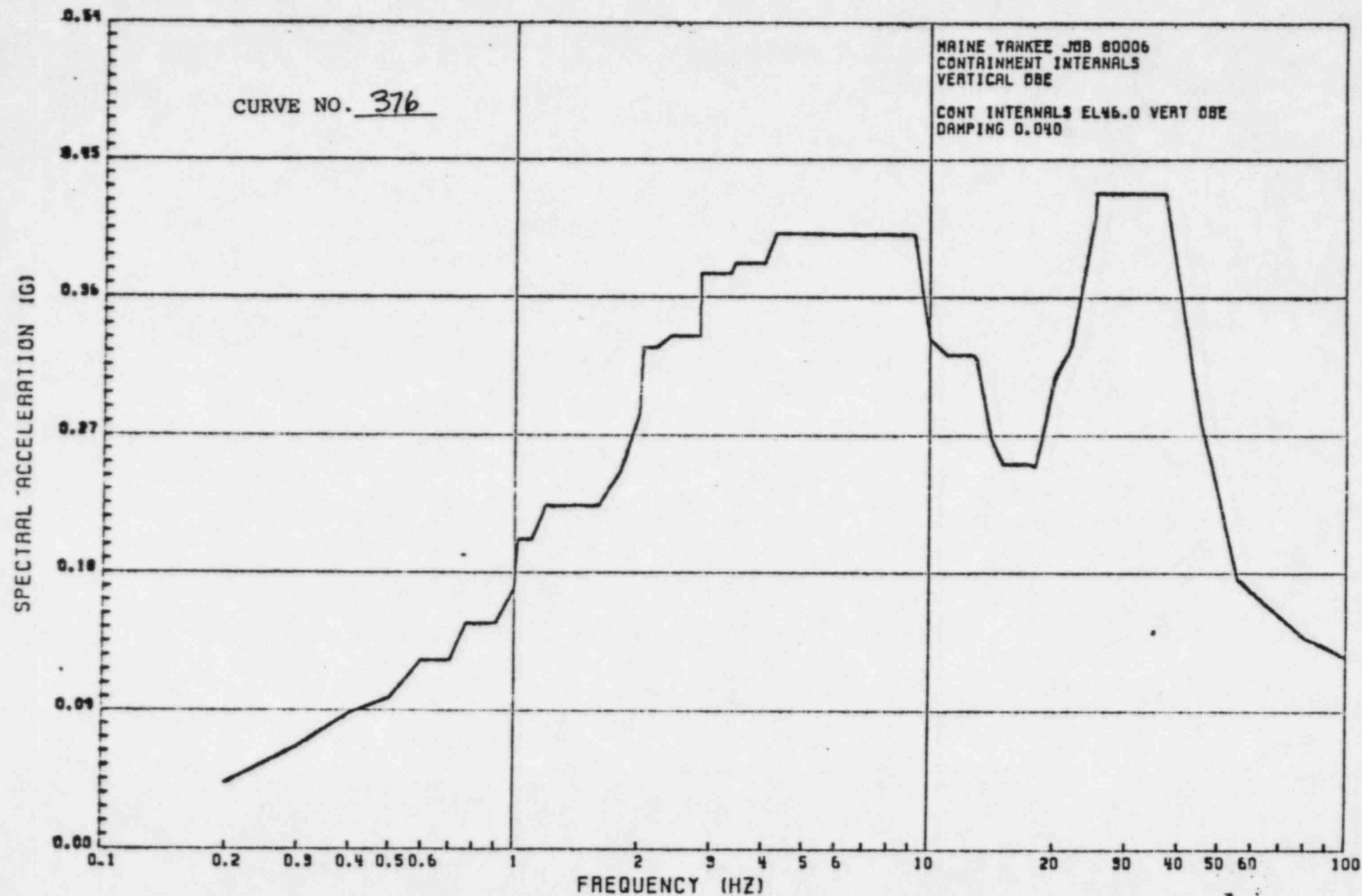
MAINE TANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL OBE

CONT INTERNALS EL46.0 VERT OBE
DAMPING 0.040



EARTHQUAKE ENGINEERING SYSTEMS

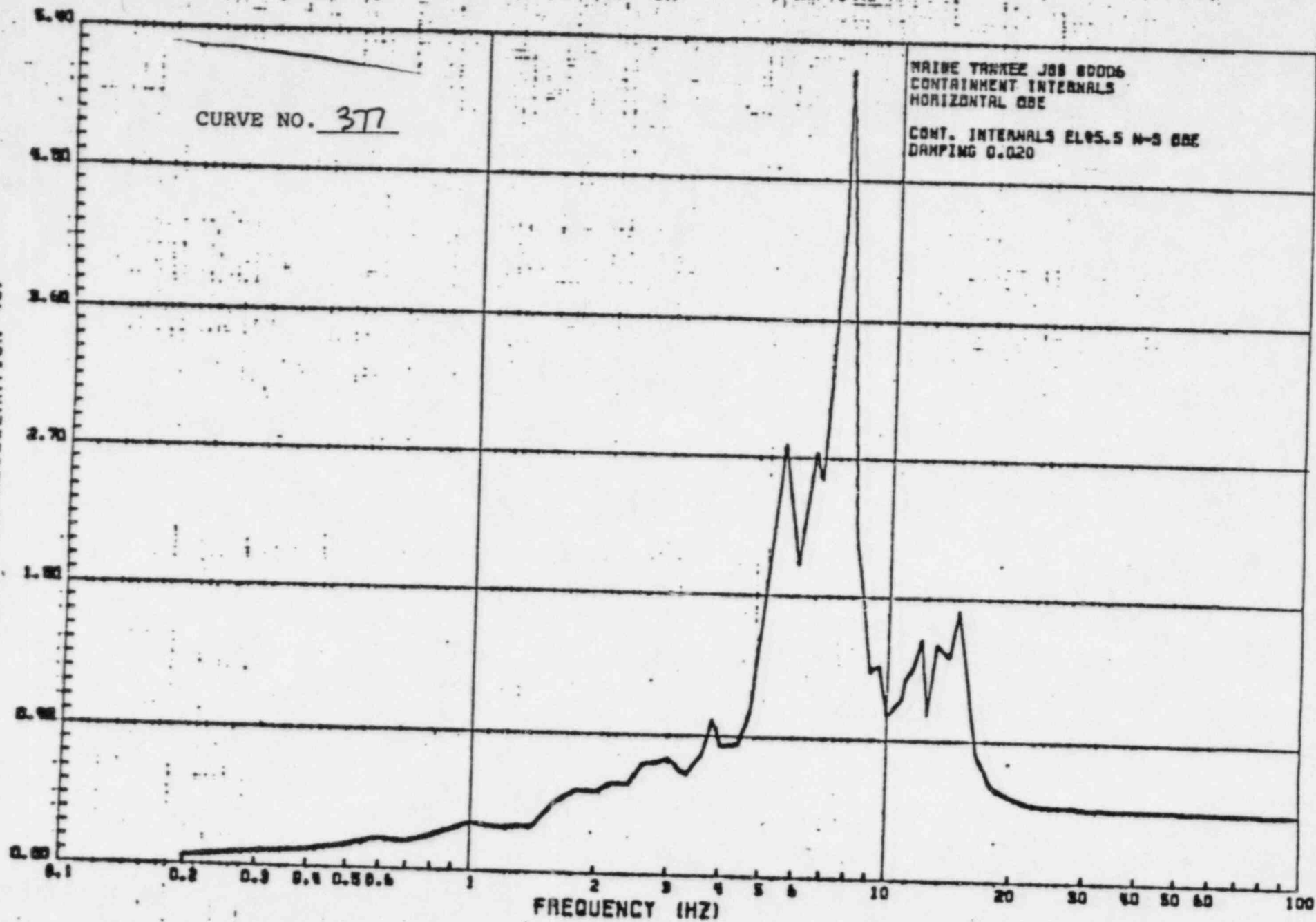
EES



FOR INFORMATION ONLY

EFS

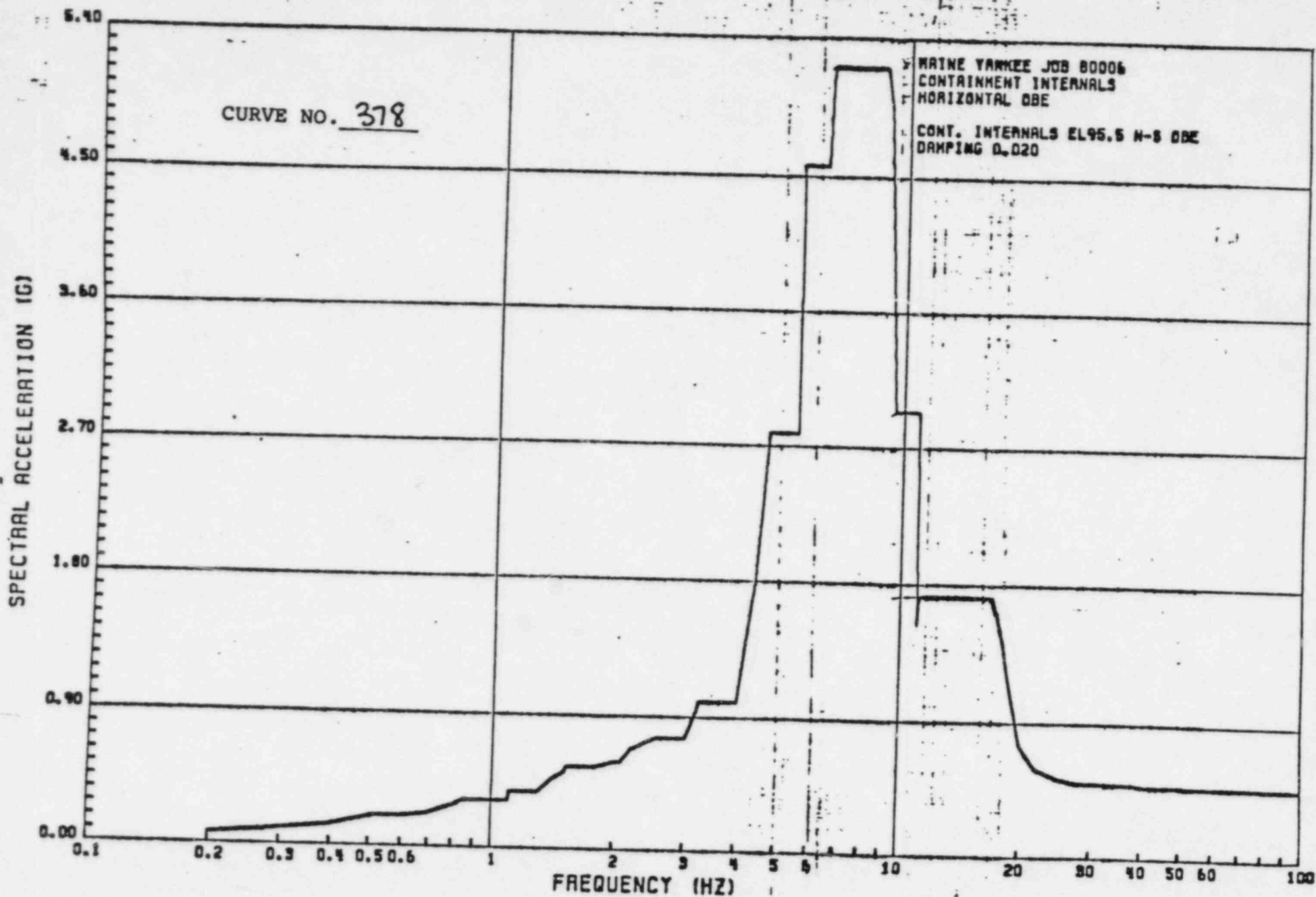
SPECTRAL-ACCELERATION (G)



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

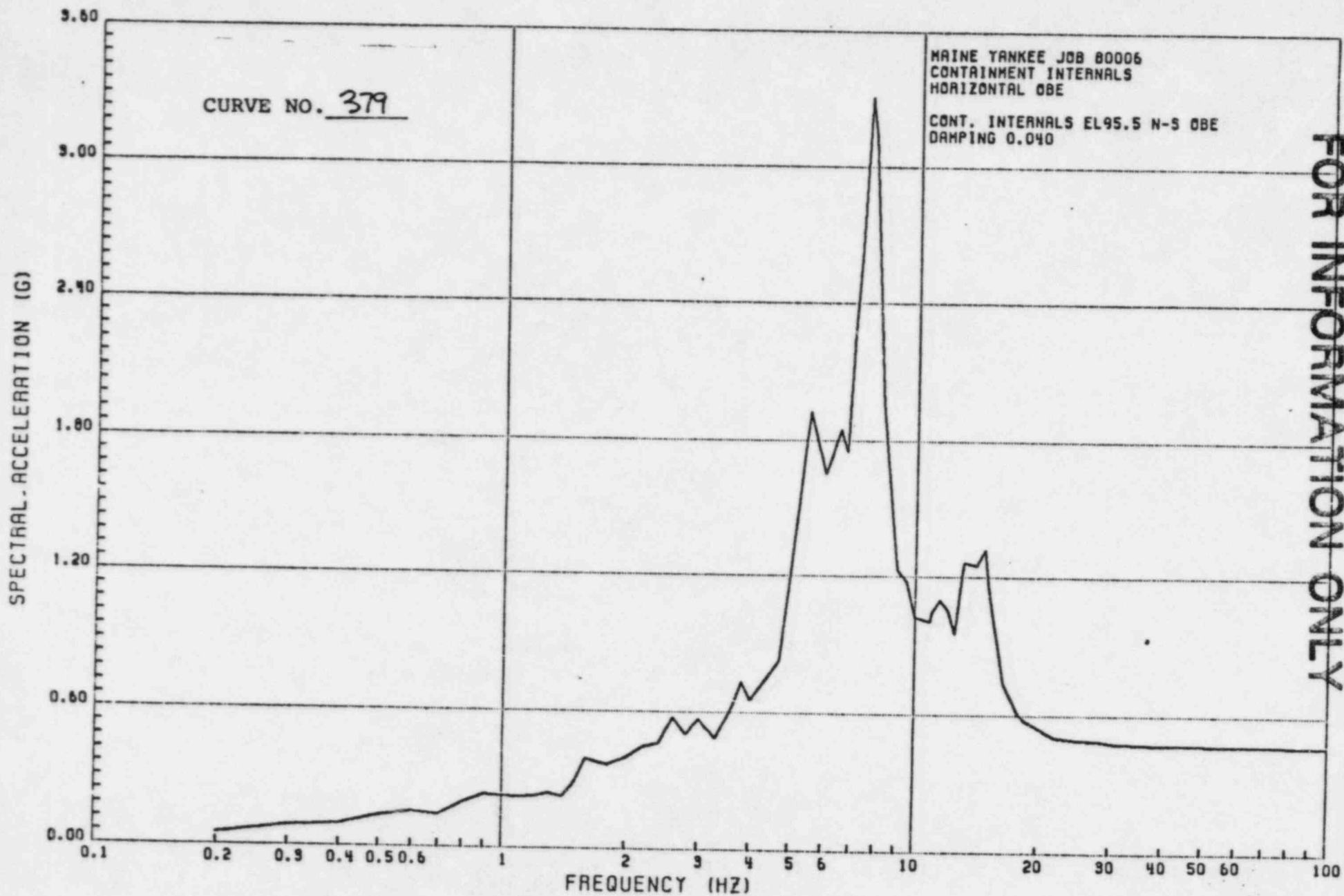
E.S.



FOR INFORMATION ONLY

EARTHQUAKE ENGINEERING SYSTEMS

EES



EARTHQUAKE ENGINEERING SYSTEMS

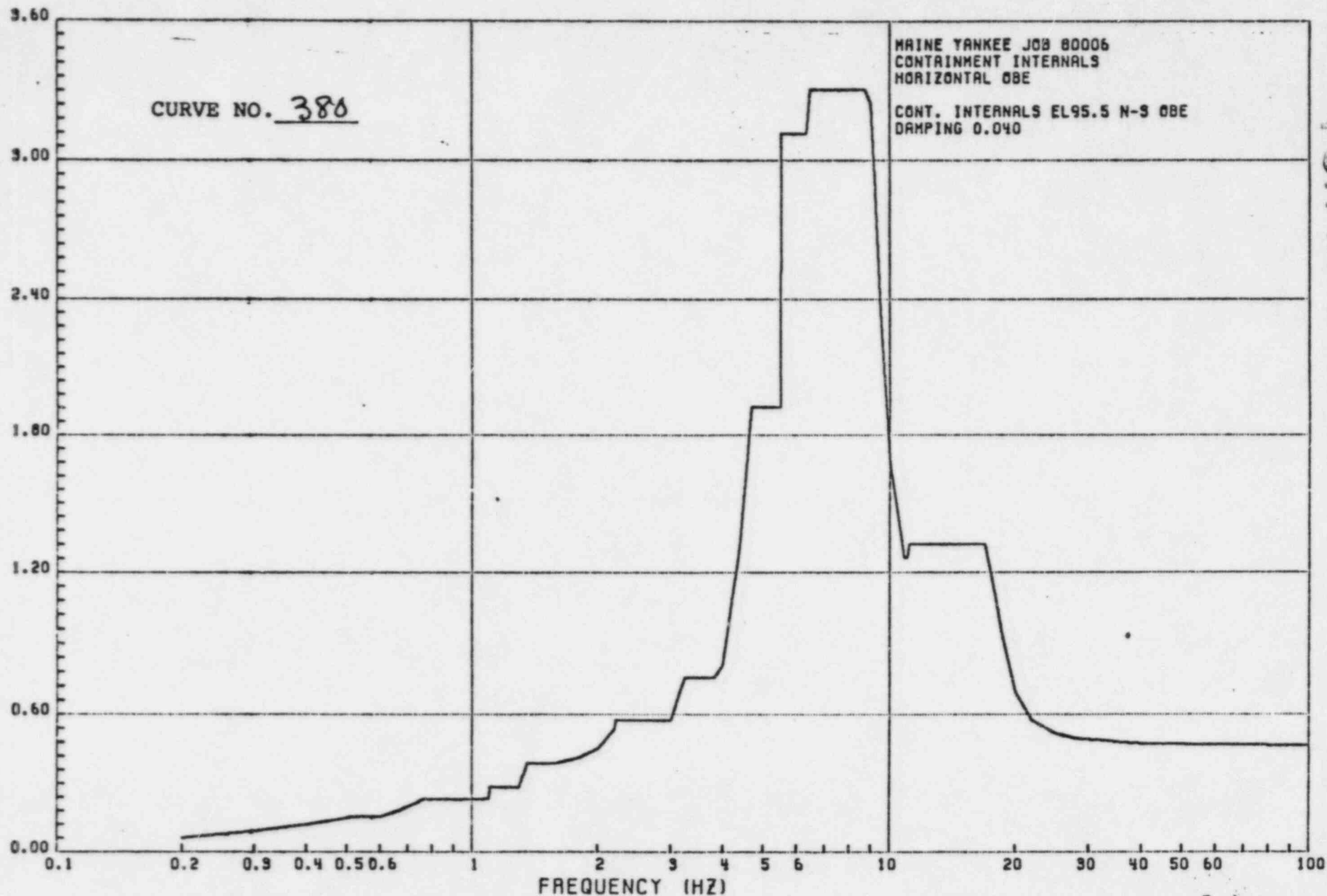
EES

CURVE NO. 386

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

CONT. INTERNALS EL95.5 N-S OBE
DAMPING 0.040

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

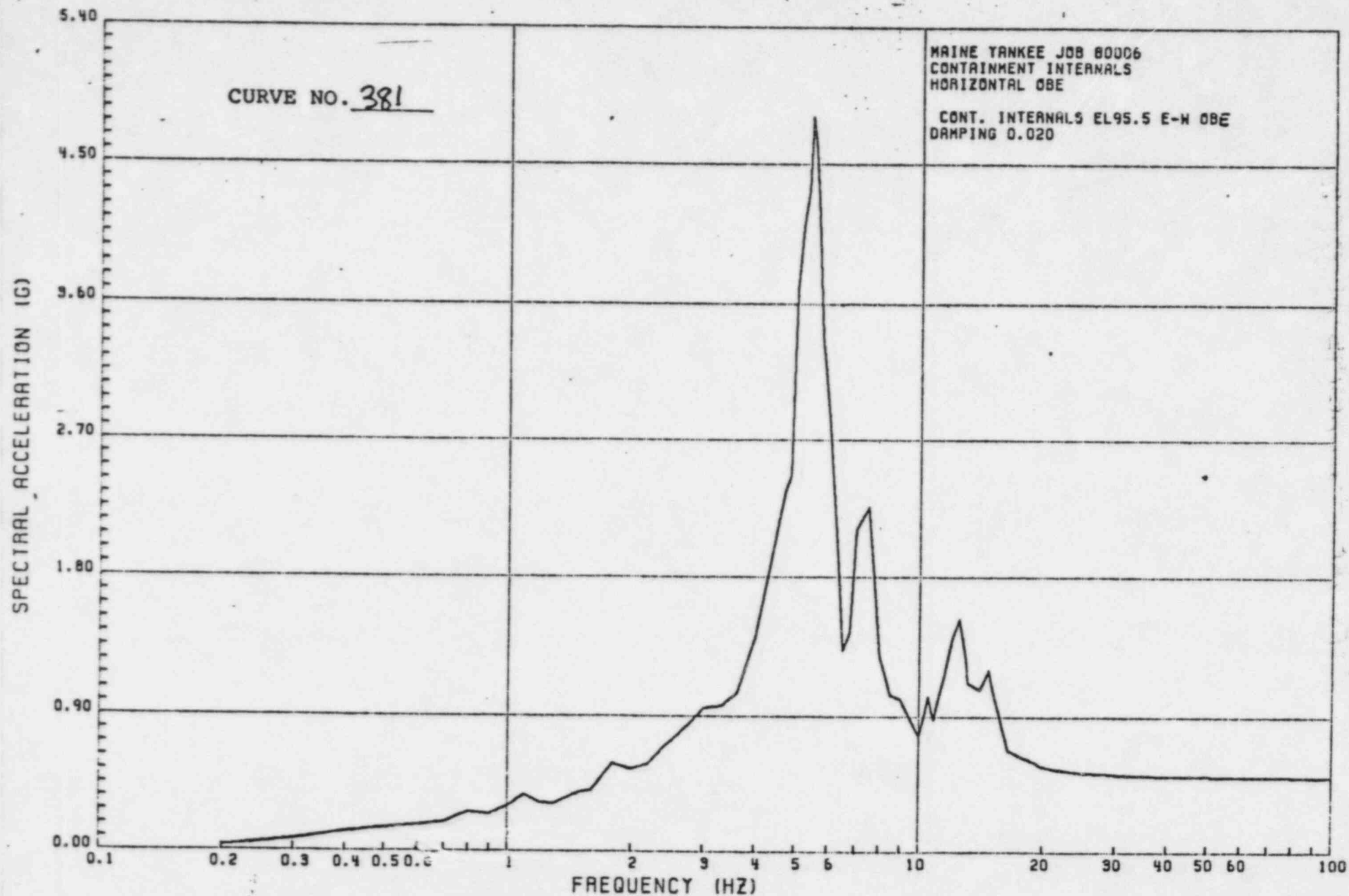
EARTHQUAKE ENGINEERING SYSTEMS

EES

CURVE NO. 381

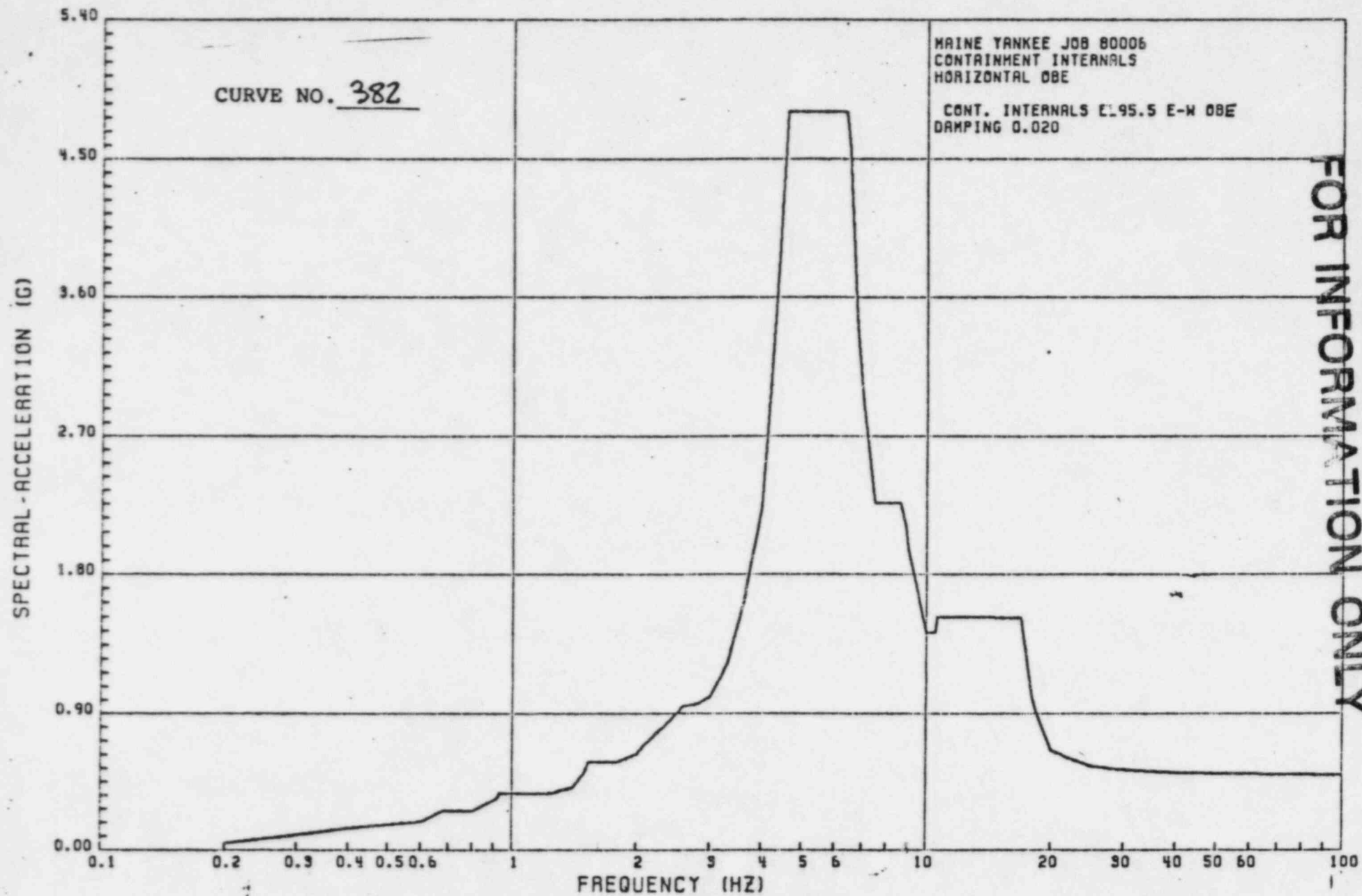
MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
HORIZONTAL OBE

CONT. INTERNALS EL95.5 E-W OBE
DAMPING 0.020



EARTHQUAKE ENGINEERING SYSTEMS

EES

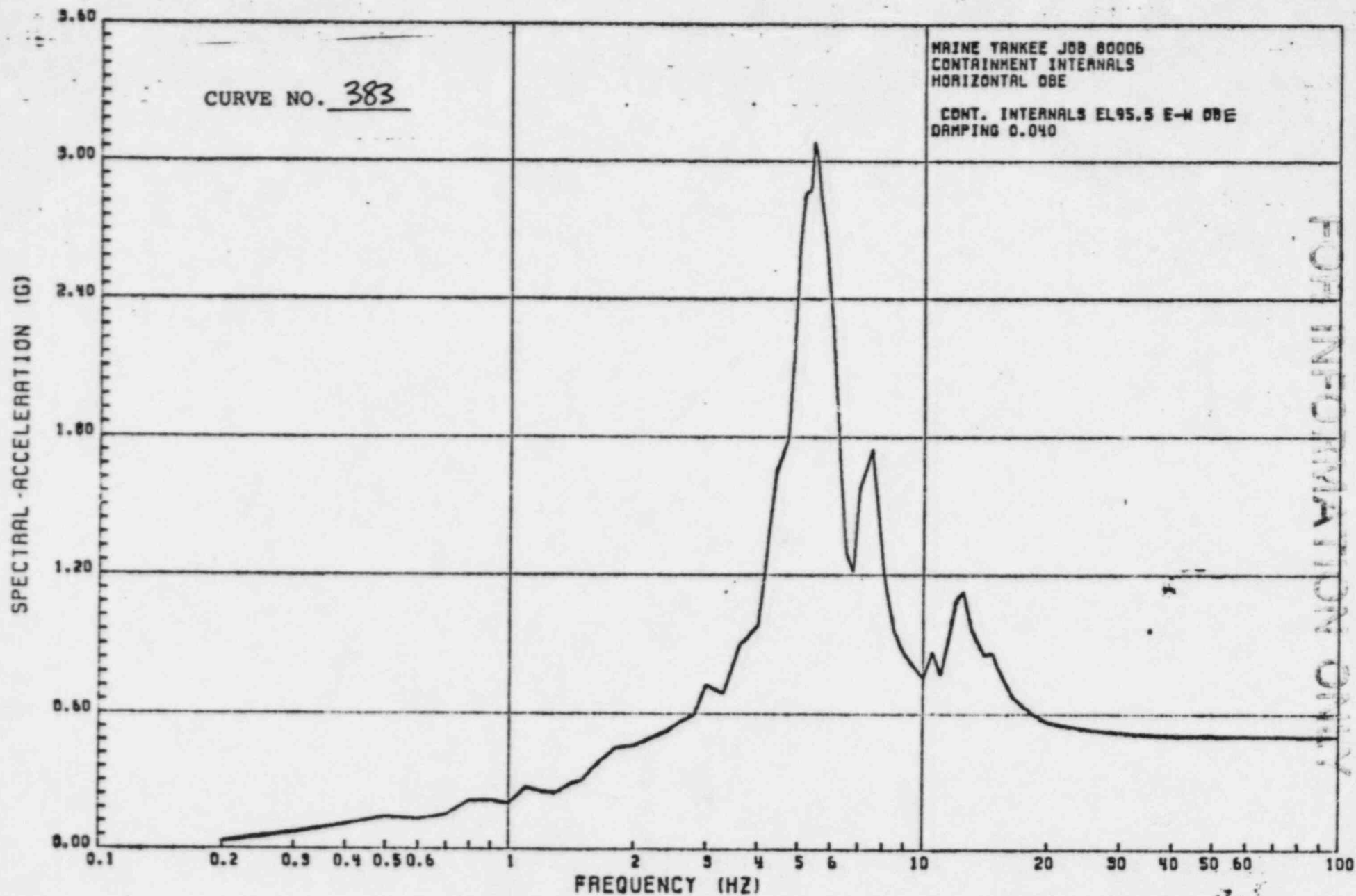


EES

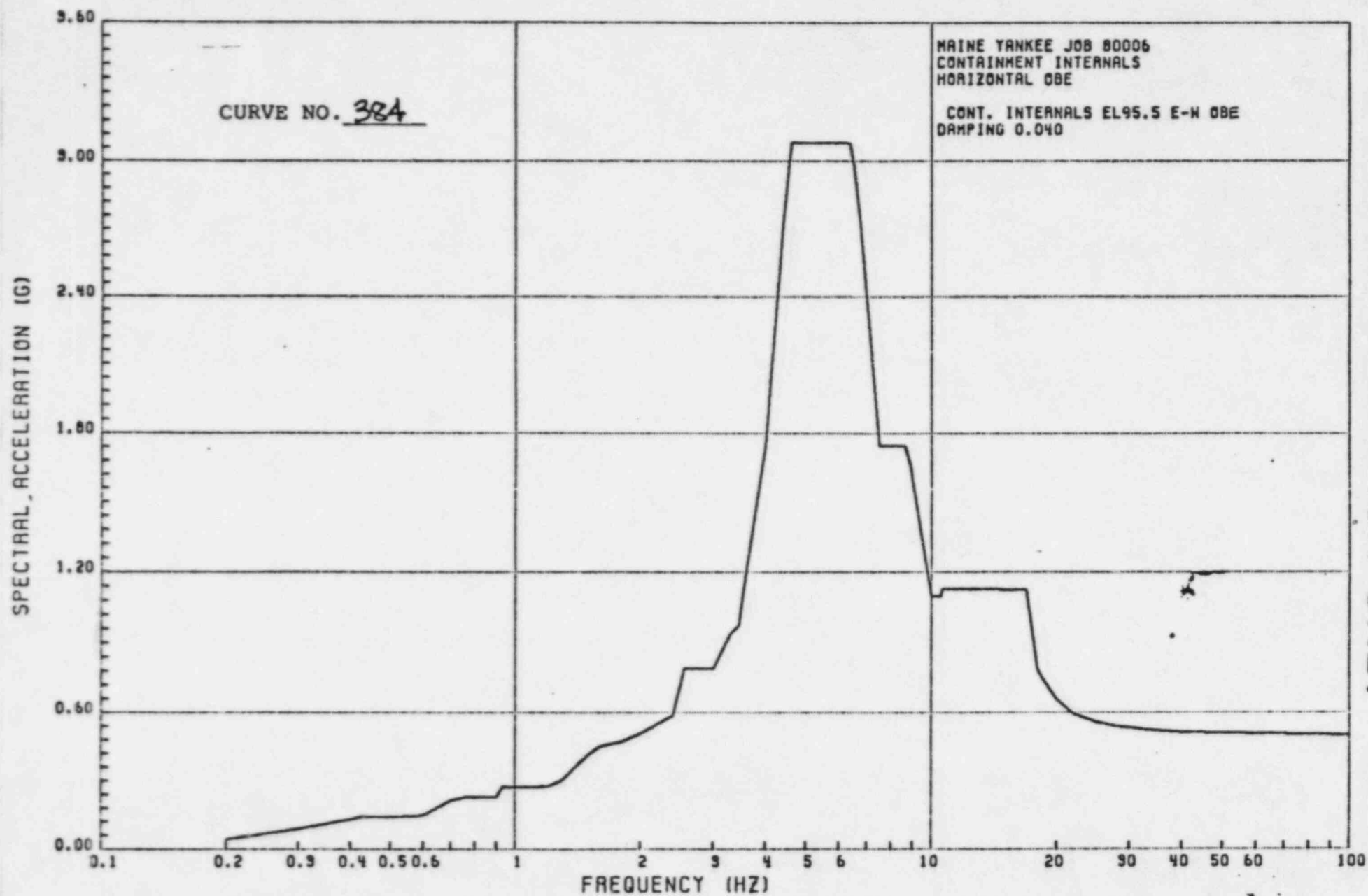
CURVE NO. 383

MAINE TANKEE JOB 80006
CONFINEMENT INTERNALS
HORIZONTAL DBE

CONT. INTERNALS EL95.5 E-W DBE
DAMPING 0.040

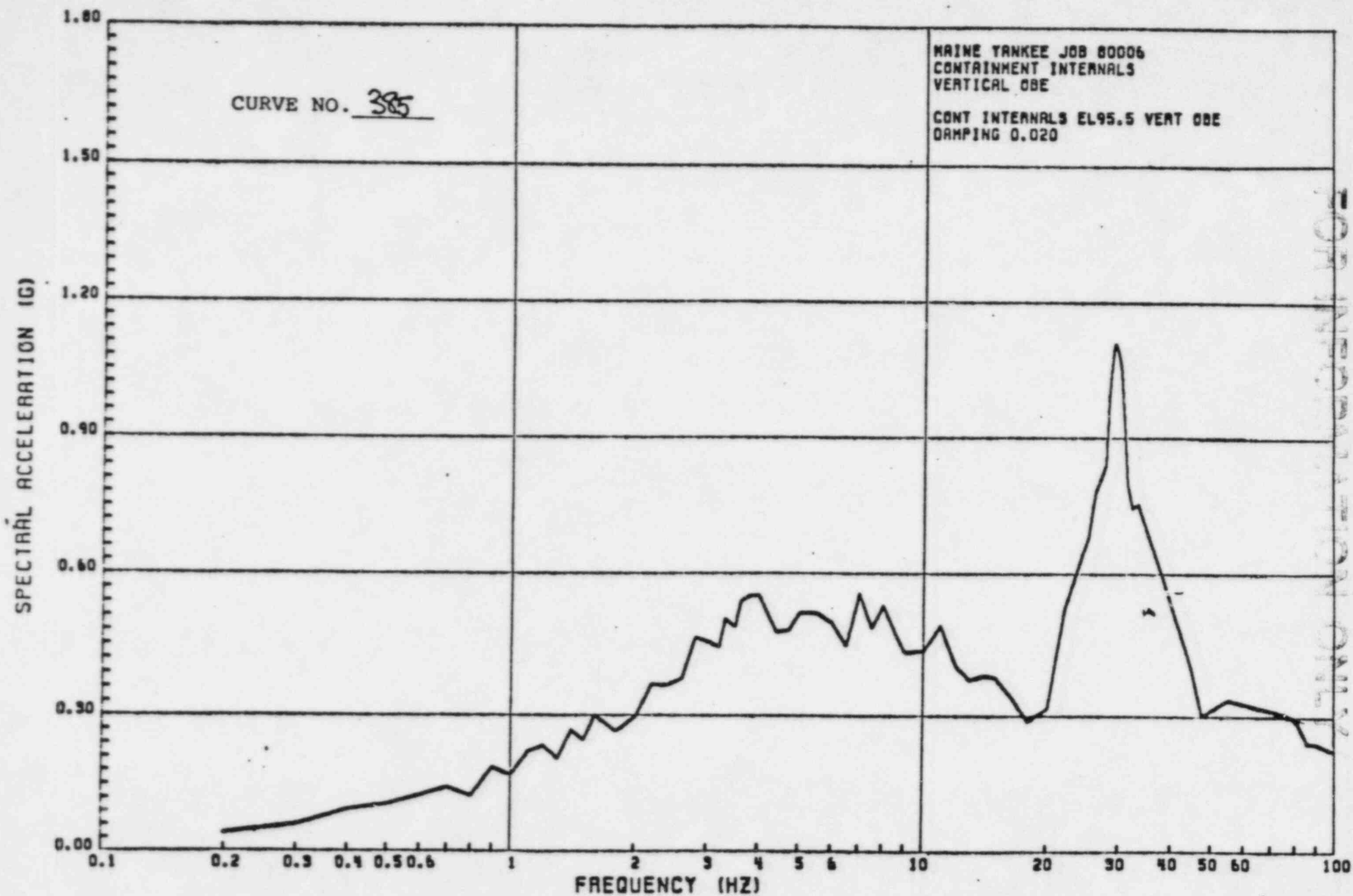


EES

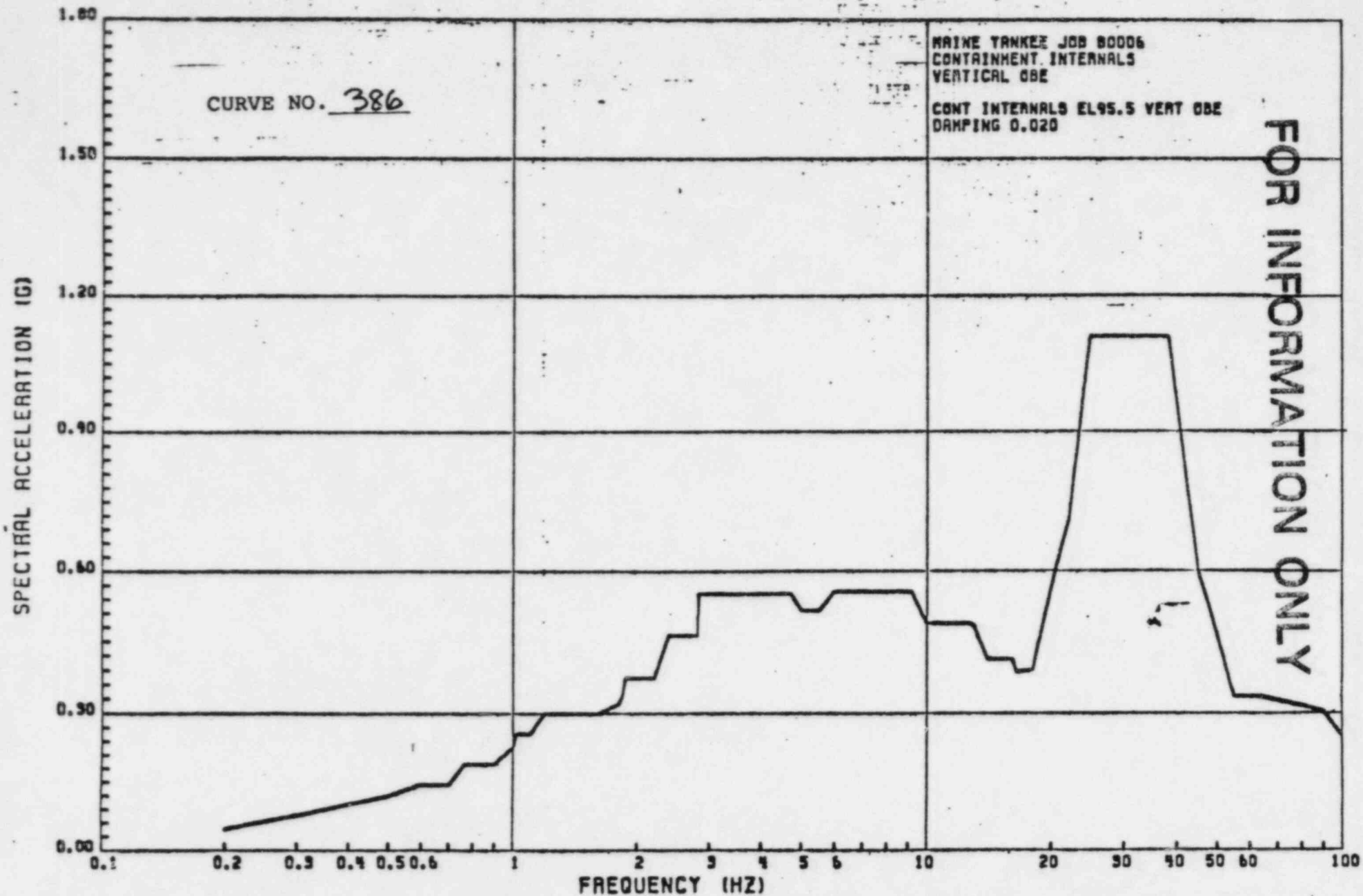


FOR INFORMATION ONLY

EES



E-S



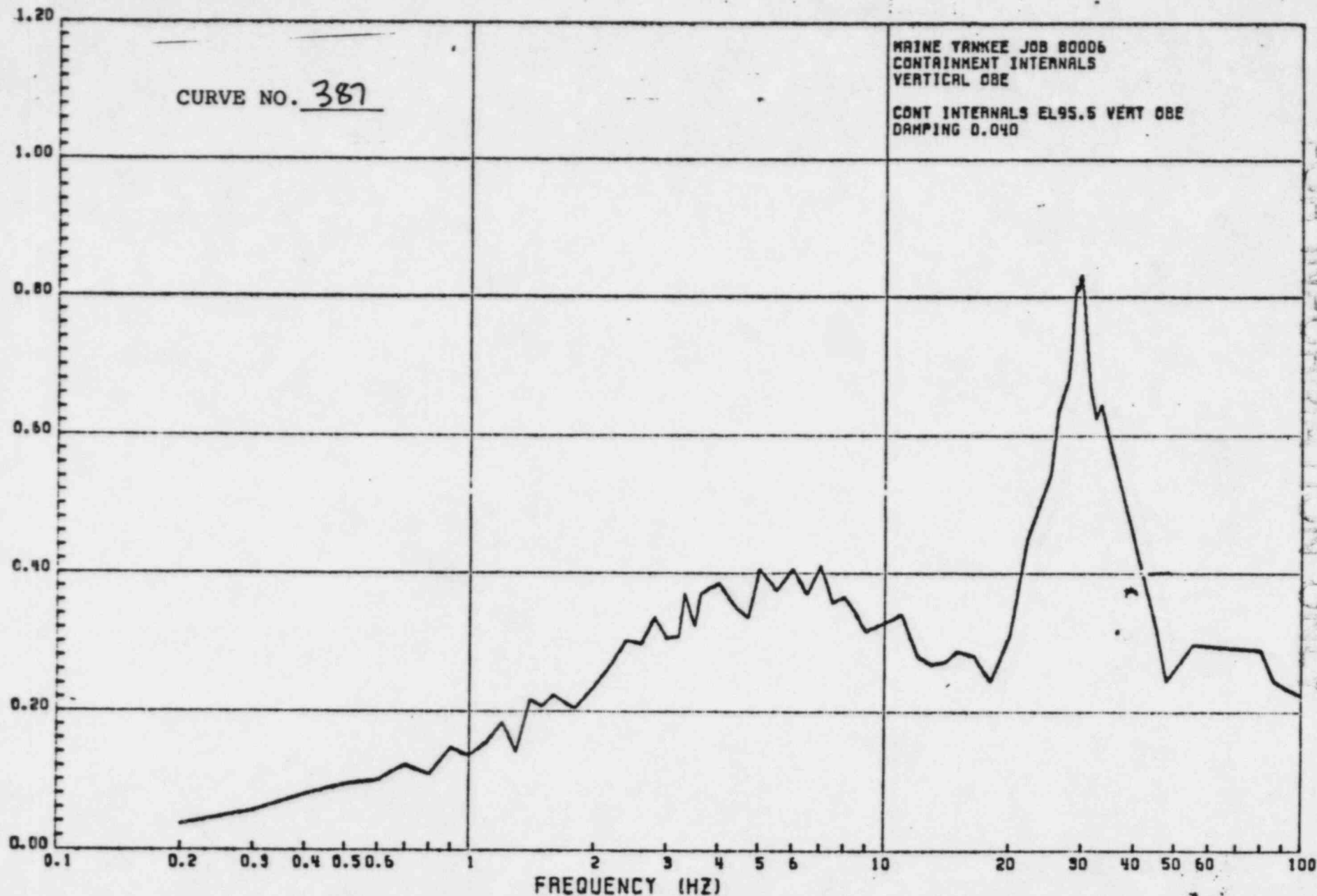
EES

CURVE NO. 387

MAINE YANKEE JOB 80006
CONTAINMENT INTERNALS
VERTICAL OBE

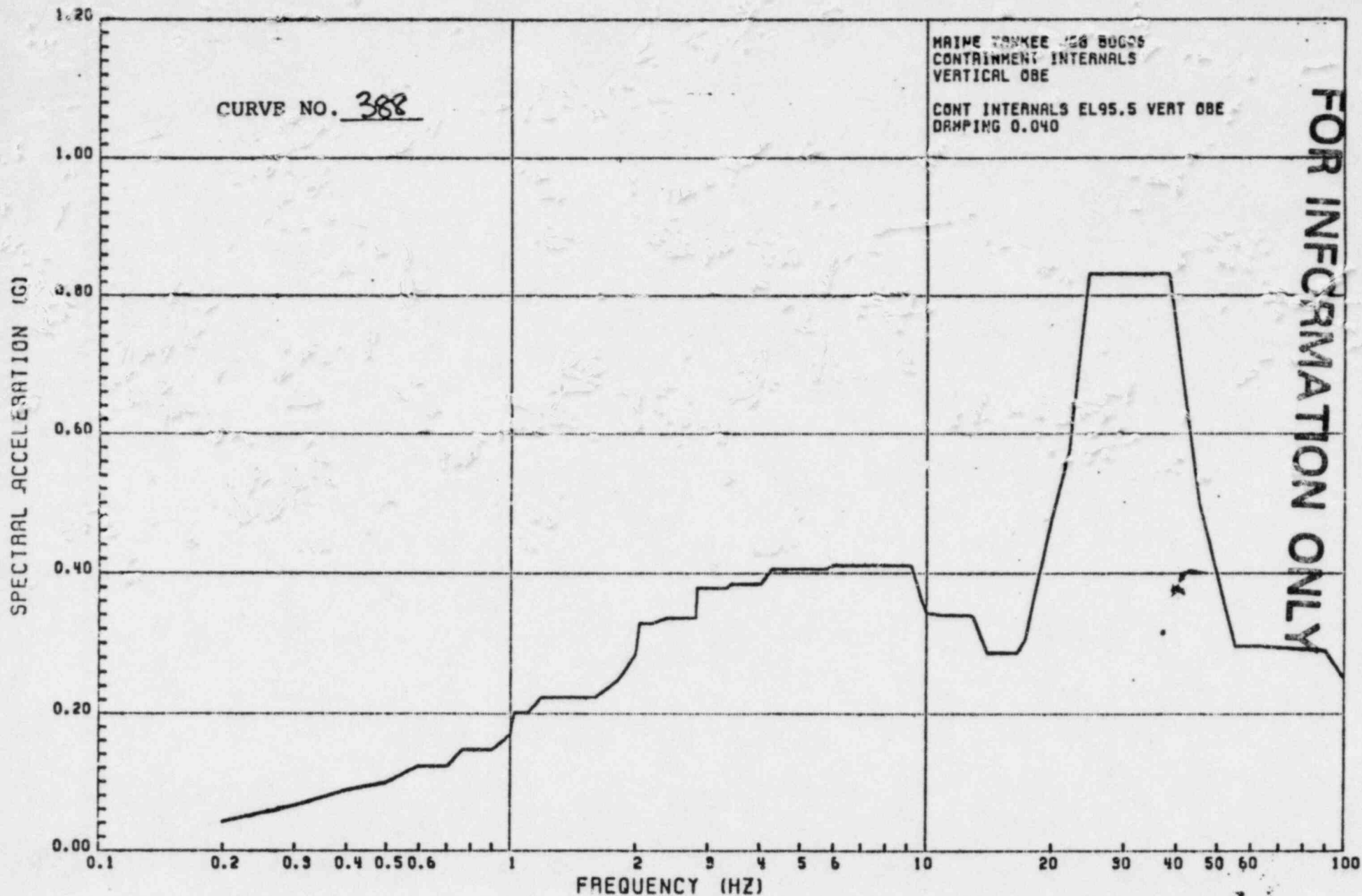
CONT INTERNALS EL95.5 VERT OBE
DAMPING 0.040

SPECTRAL ACCELERATION (G)



FOR INFORMATION ONLY

EES



EES

CALCULATION SHEET

PROJECT MAINE YANKEE PILING RE-ANALYSIS
 SUBJECT GROUND RESPONSE SPECTRA
 SYSTEM (NRC RES. GUIDE 1.60)
 ANALYSIS NO. DBS9 REV NO. 0

JCF:ta — 3/18/81
 CHECKED BY A. J. [Signature] 3/19/81
 JOB NO. 80000 PILE NO. 4-E
 SHEET NO. DBS9-2

SSE HORIZONTAL

NRC RES. GUIDE 1.60 RESPONSE SPECTRA

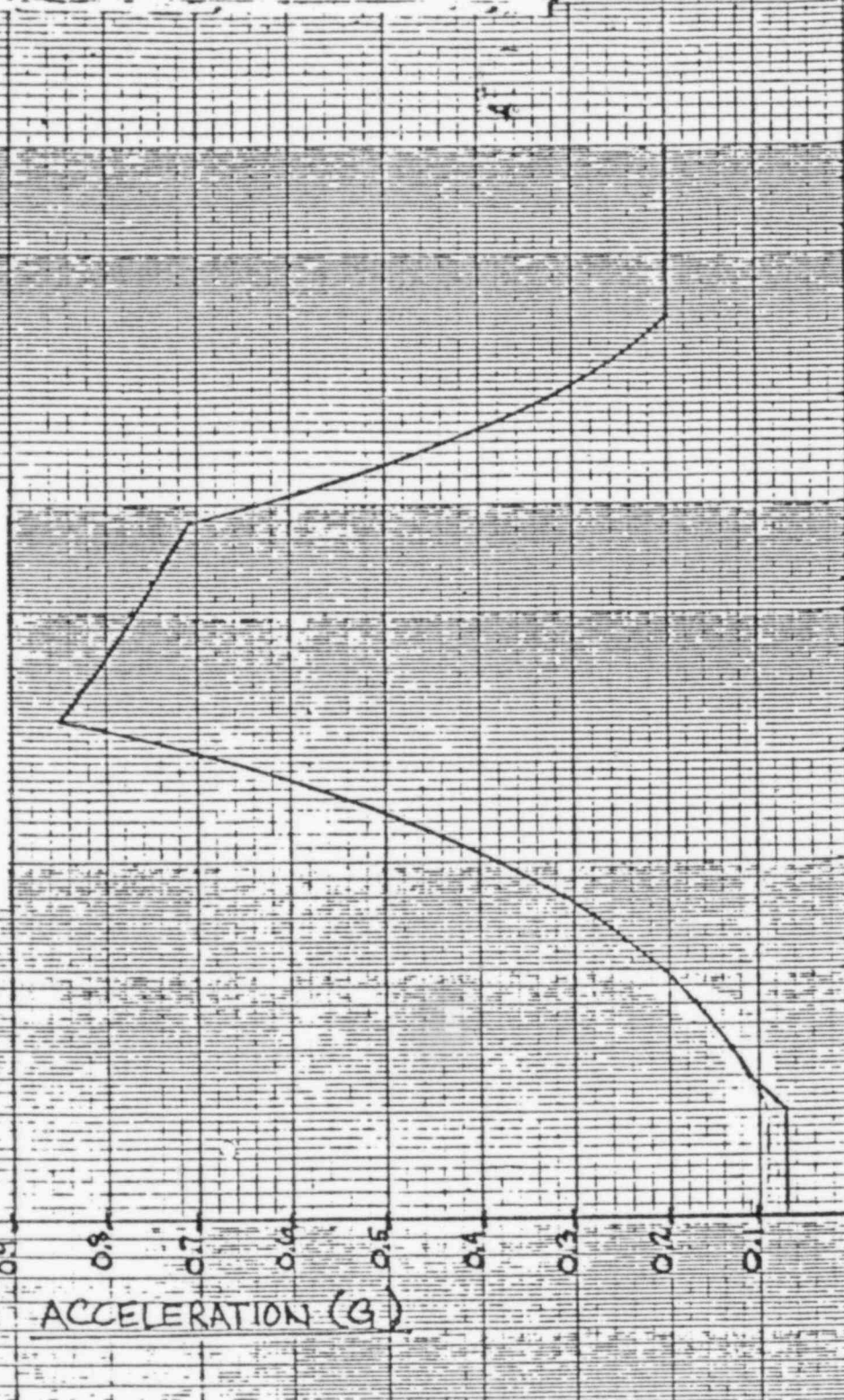
MAXIMUM GROUND ACCELERATION = 0.2g

DAMPING = 2% CRITICAL

CURVE NO. 389

ACCELERATION (G)

FREQUENCY (HZ)



EES

CALCULATION SHEET

PROJECT	MAINE YANKEE PRING RE-ANALYSIS		DATE	3/15/81
SUBJECT	GROUND RESPONSE SPECTRA		FILE NO.	4-E
SYSTEM	(NRC REG. GUIDE 1.60)		SHEET NO.	DBS9-3
ANALYSIS NO.	DBS9	REV. NO.	0	

SSE HORIZONTAL

NRC REG. GUIDE 1.60 RESPONSE SPECTRA

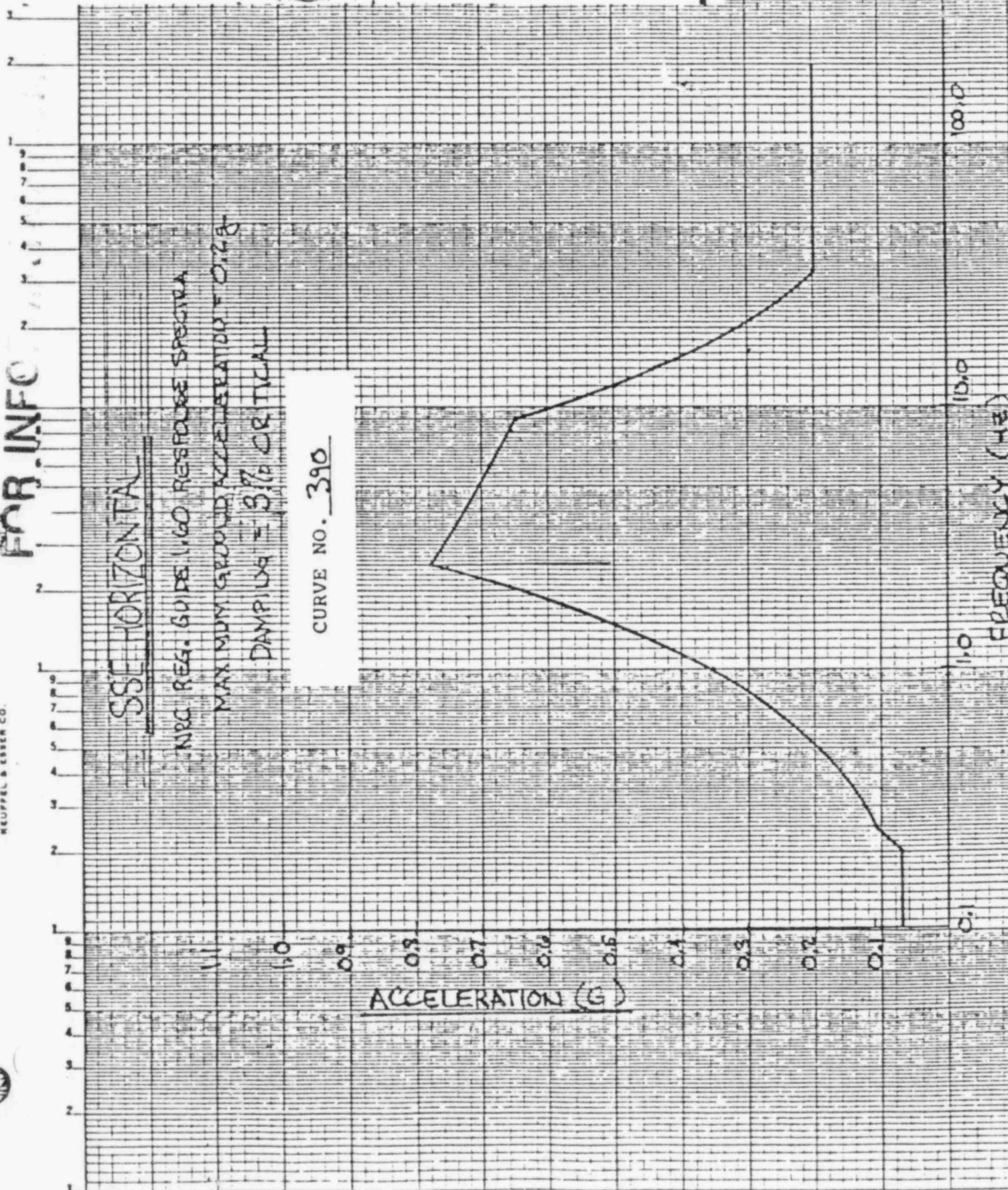
MAXIMUM GROUND ACCELERATION = 0.28

DAMPING = 3% CRITICAL

CURVE NO. 390

ACCELERATION (G)

FREQUENCY (Hz)



EES

CALCULATION SHEET

PROJECT MAINE YANKEE PRING RE-ANALYSIS
 SUBJECT GROUND RESPONSE SPECTRA
 SYSTEM (NRC. REG. GUIDE 1.60)
 ANALYSIS NO. DBS9 REV. NO. 0

JCF:ite — 3/18/81
 CHECKED BY A. V. J. 3/19/81
 JOB NO. 80006 FILE NO. 4-F
 SHEET NO. DBS9-4

SSS HORIZONTAL

NRC REG. GUIDE 1.60 RESPONSE SPECTRA

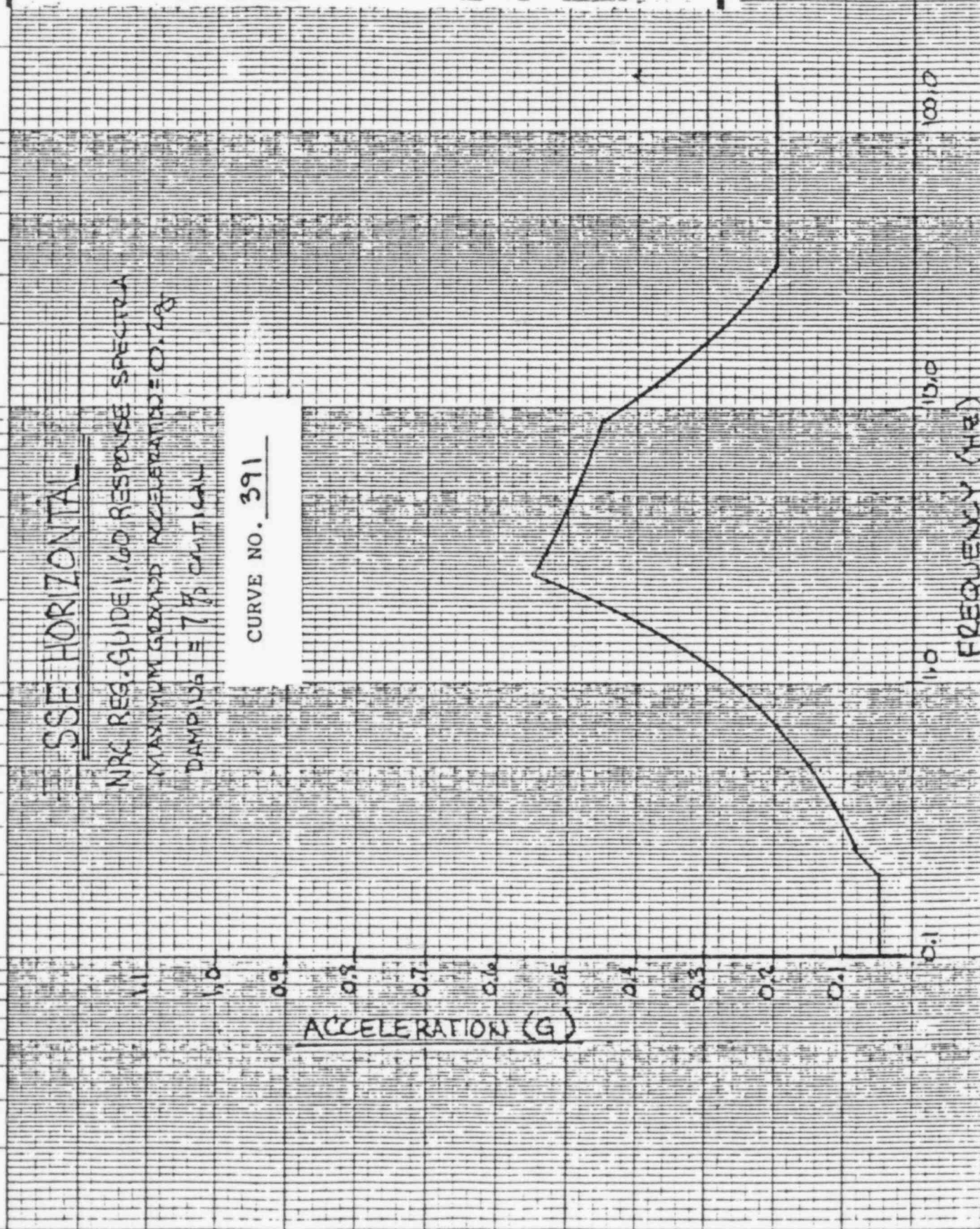
MAXIMUM GROUND ACCELERATION = 0.28

DAMPING = 7% CRITICAL

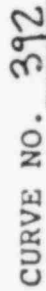
CURVE NO. 391

ACCELERATION (G)

FREQUENCY (Hz)



JCFitz	3/18/81
CHECKED BY A. Vayns	DATE 3/19/81
80006	PAGE NO. 4-F
SHEET NO. OBS9-5	



FREQUENCY (Hz)

FOR INFORMATION ONLY

EES

CALCULATION SHEET

PROJECT	MAINE YANKEE PRING REANALYSIS		PREPARED BY	JCF:TB	DATE	3/15/81
SUBJECT	GROUND RESPONSE SPECTRA		CHECKED BY	A. Taylor	DATE	3/15/81
SYSTEM	(NRC: REG. GUIDE 1.60)		FOR NO.	80006	FILE NO.	4-F
ANALYSIS NO.	DBS9	REV. NO.	0	SHEET NO.	DBS9-6	

SEEVERTICAL

NRC REGUIDE 1.60 RESPONSE SPECTRA

MAXIMUM GROUND ACCELERATION = 0.2g
DAMPING = 3% CRITICAL

CURVE NO. 393

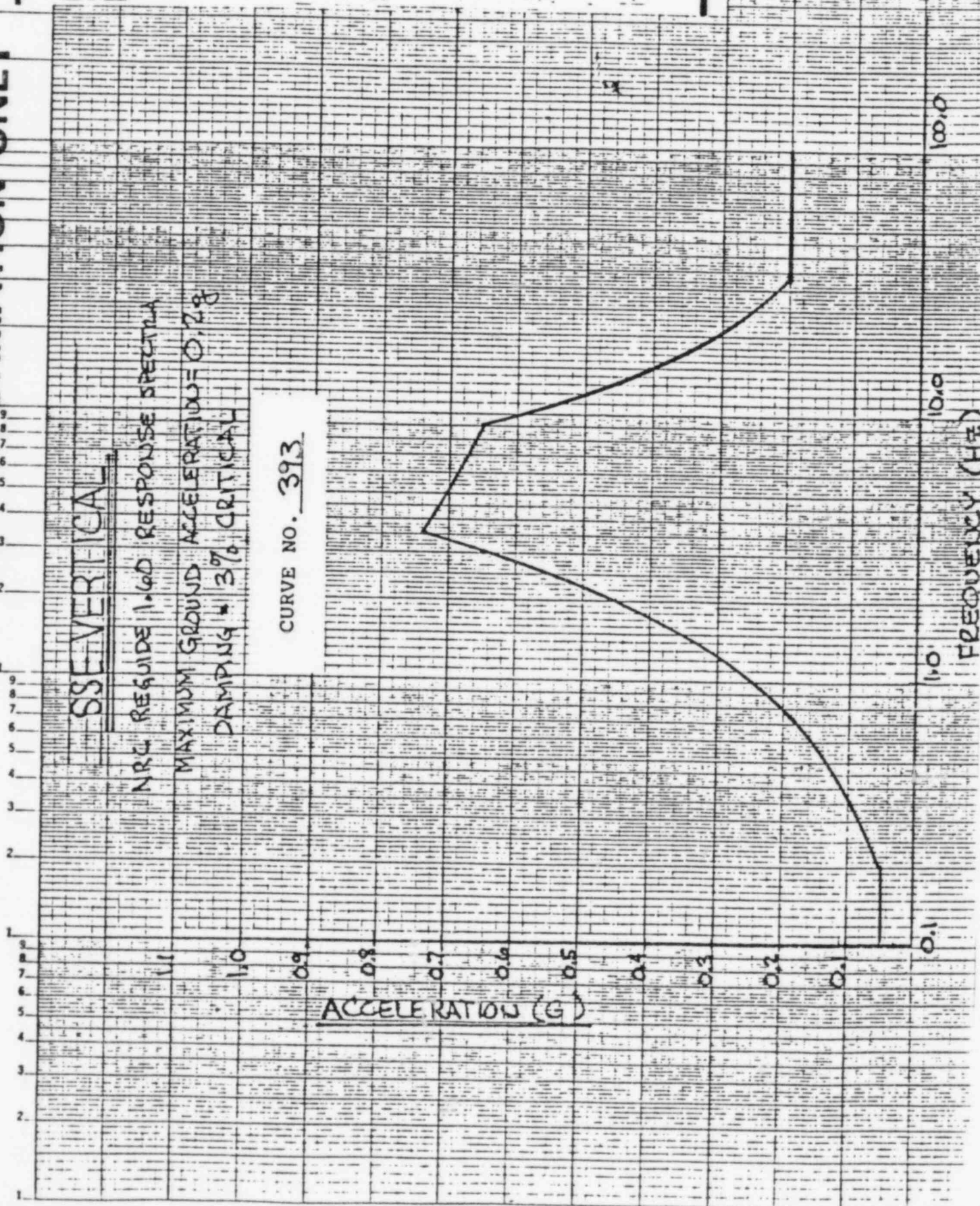
ACCELERATION (G)

100.0

10.0

1.0

FREQUENCY (Hz)



FOR INFORMATION ONLY

EES

CALCULATION SHEET

PROJECT MAINE YANKEE PRING REANALYSIS
SUBJECT GROUND RESPONSE SPECTRA
SYSTEM (NRC REG. GUIDE 1.60)
ANALYSIS NO. DBS9 REV. NO. 0

DESIGNED BY JCF:TB
CHECKED BY JCF:TB
DATE 3/18/81
FILE NO. 3/12/81
80006 4-F
SHEET NO. DBS9-7

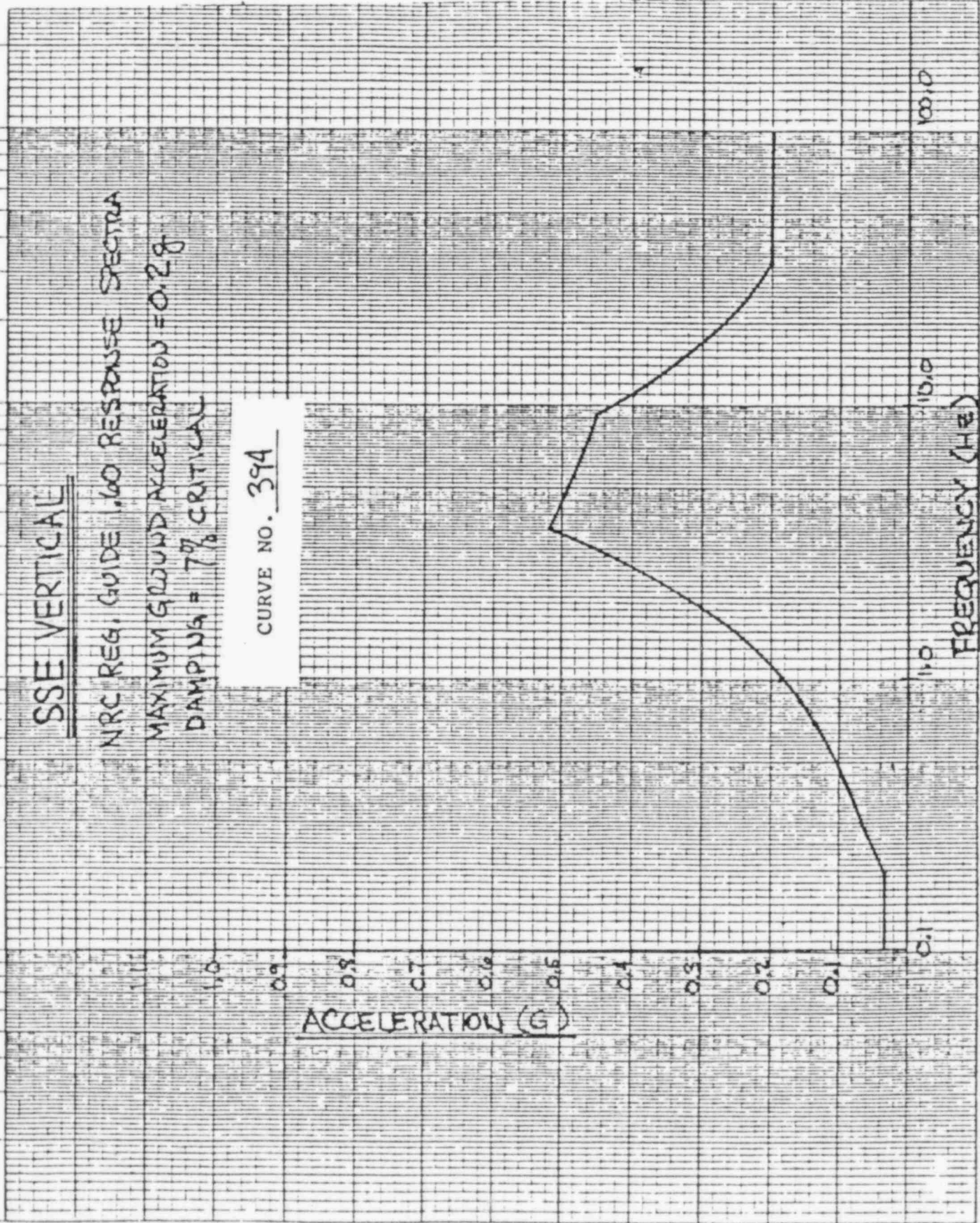
SSE VERTICAL

NRC REG. GUIDE 1.60 RESPONSE SPECTRA
MAXIMUM GROUND ACCELERATION = 0.2g
DAMPING = 7% CRITICAL

CURVE NO. 394

ACCELERATION (G)

FREQUENCY (Hz)



FOR INFORMATION ONLY

OBE HORIZONTAL

N.R.C. REG. GUIDE 1.60 RESPONSE SPECTRA

MAXIMUM GROUND ACCELERATION = 0.1 g

DAMPING = 1% CRITICAL

CURVE NO. 395

ACCELERATION (G)

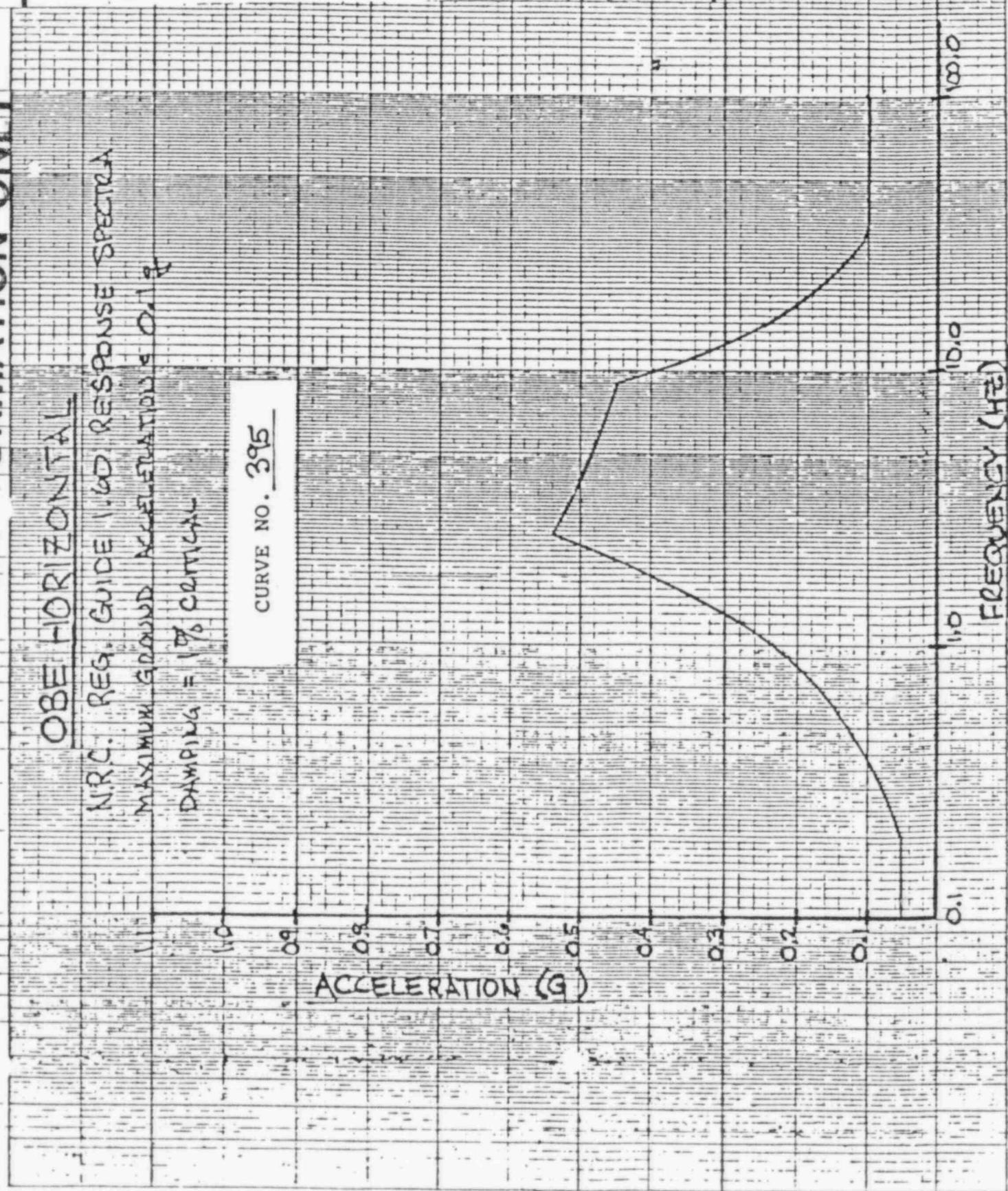
FREQUENCY (Hz)

CALCULATION SHEET

EES

PROJECT MAINE YANKEE PIPING RE-ANALYSIS
SUBJECT GROUND RESPONSE SPECTRA
SYSTEM 1 (NRC REG. GUIDE 1.60)
ANALYSIS NO. DBS9- REV. NO. 0

PREPARED BY JCF:ts
CHECKED BY A. V. [signature]
FOR NO. 80006
SHEET NO. DBS9-8
DATE 3/15/81
FILE NO. 4-F



FOR INFORMATION ONLY

OBE HORIZONTAL

NRC REG. GUIDE 1.60 RESPONSE SPECTRA
MAXIMUM GROUND ACCELERATION = 0.18
DAMPING = 2% CRITICAL

CURVE NO. 396

CALCULATION SHEET

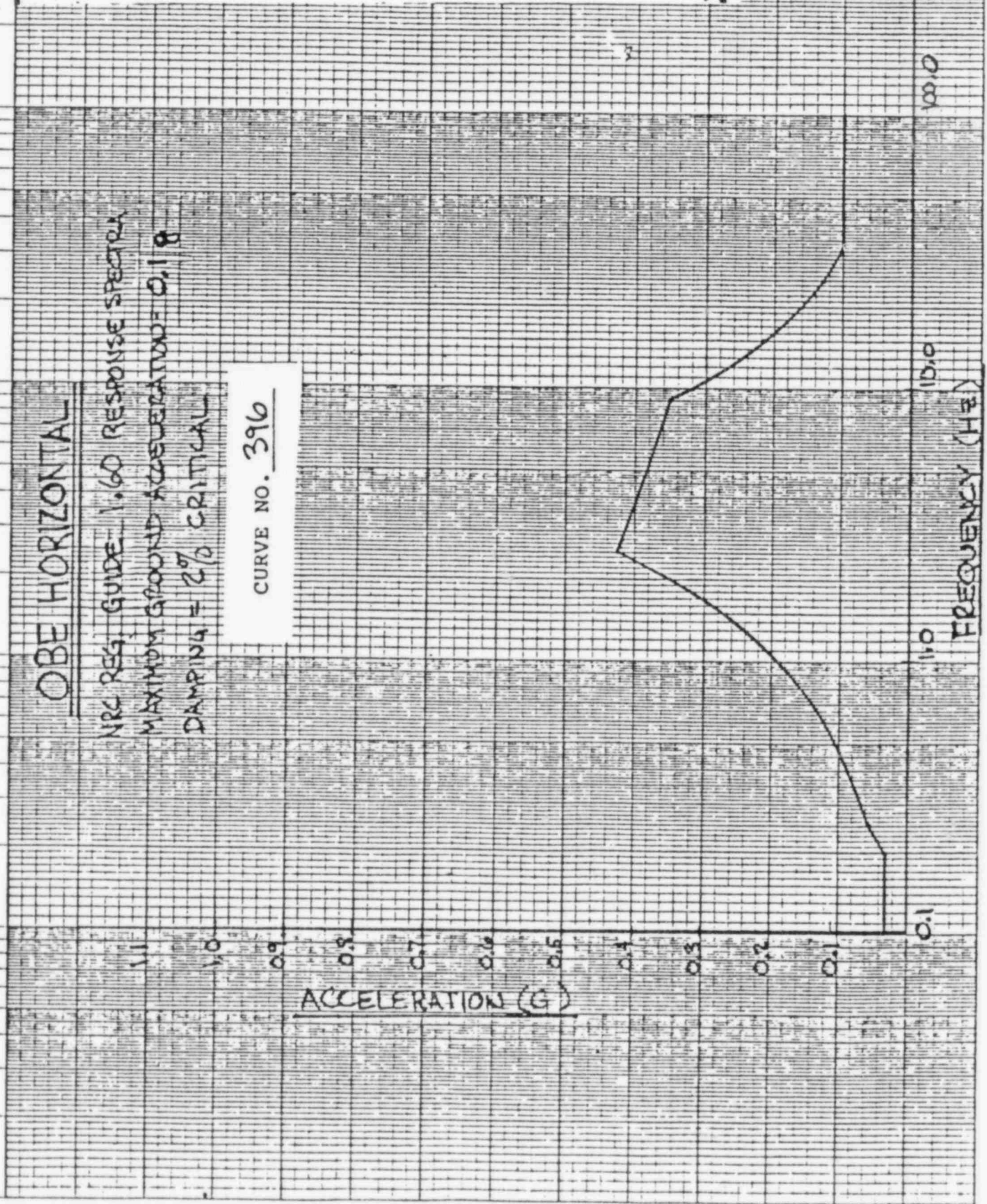
EES

PROJECT MAINE YANKEE PILING RE-ANALYSIS
SUBJECT GROUND RESPONSE SPECTRA
SYSTEM (NRC REG. GUIDE 1.60)
ANALYSIS NO. DBS9 REV. NO. 0

JOINTS
CHECKED BY A. Taylor
JOB NO. 80006
DATE 3/15/81
FILE NO. 4-E
SHEET NO. DBS9-9

ACCELERATION (G)

FREQUENCY (Hz)



FOR INFORMATION ONLY

EES

CALCULATION SHEET

PROJECT MAINE YANKEE PILING RE-ANALYSIS
SUBJECT GROUND RESPONSE SPECTRA
SYSTEM (NRC REG. GUIDE 1.60)
ANALYSIS NO. DBS9 REV. NO. 0

JCF:TB — 3/15/81
CHECKED BY A. J. J. — 3/12/81
JOB NO. 80006 FILE NO. 4-E
SHEET NO. DBS9-10

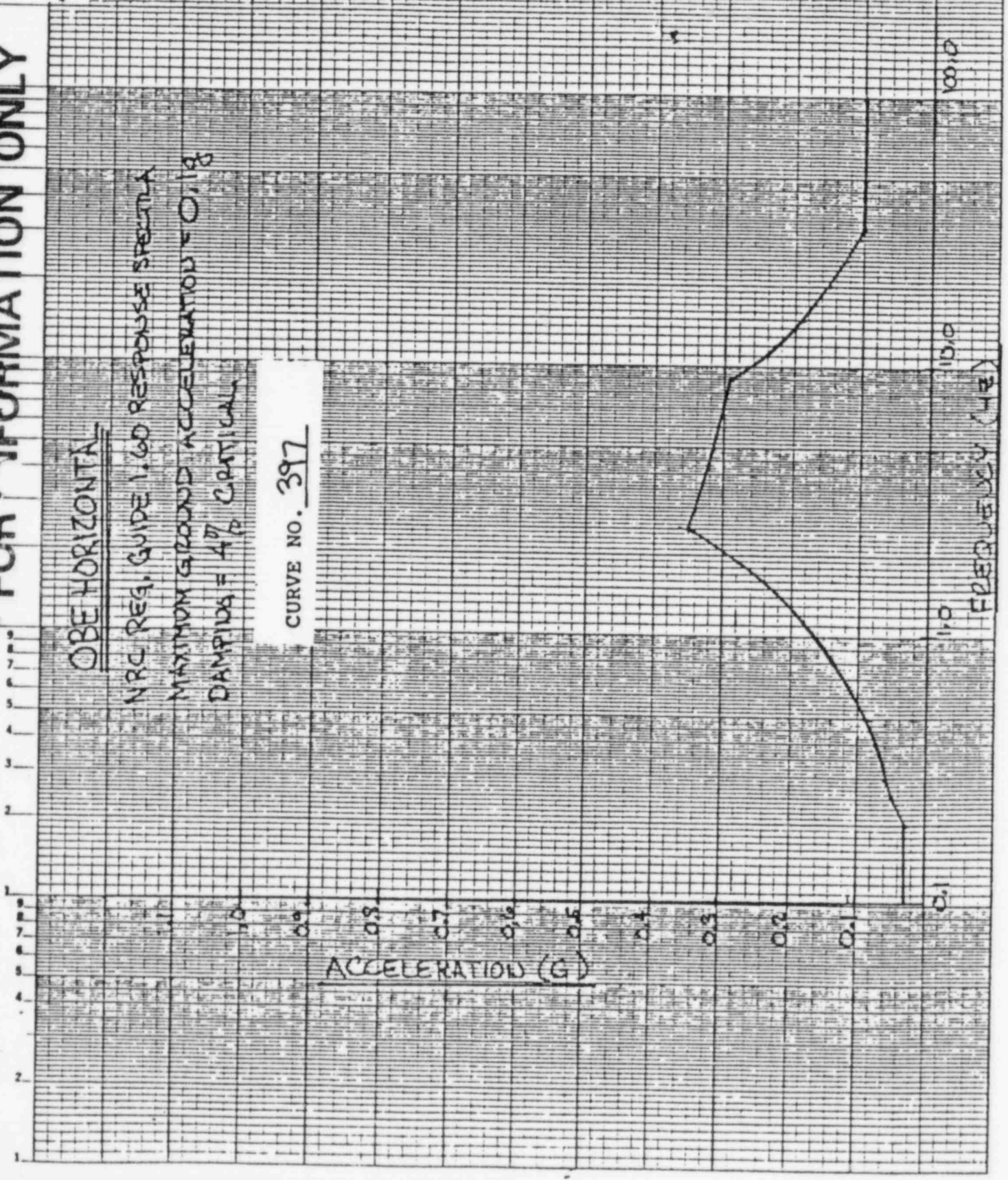
QBE HORIZONTAL

NRC REG. GUIDE 1.60 RESPONSE SPECTRA
MAXIMUM GROUND ACCELERATION = 0.18
DAMPING = 4% CRITICAL

CURVE NO. 397

ACCELERATION (G)

FREQUENCY (Hz)



EES

CALCULATION SHEET

PROJECT MAINE YANKEE BRIDGE RE-ANALYSIS
 SUBJECT GROUND RESPONSE SPECTRA
 SYSTEM (NRC REG. GUIDE 1.60)
 ANALYSIS NO. DBS9 REV. NO. 0

PREPARED BY JCF/TS DATE 3/18/81
 CHECKED BY A. Vajda DATE 3/19/81
 JOB NO. 80006 FILE NO. 4-F
 SHEET NO. DBS9-11

OBE VERTICAL

NRC REG. GUIDE 1.60 RESPONSE SPECTRA

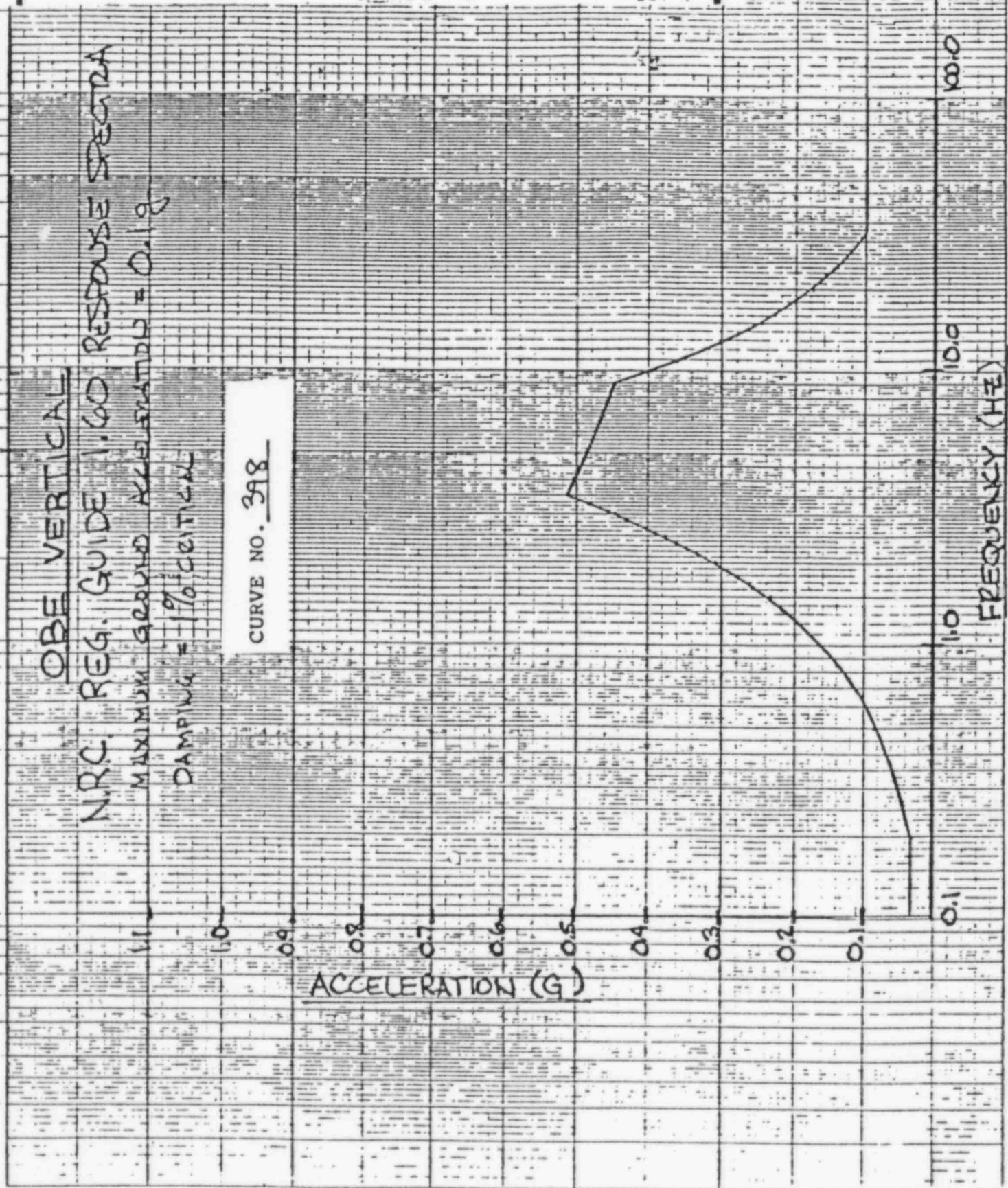
MAXIMUM GROUND ACCELERATION = 0.1g

DAMPING = 1% CRITICAL

CURVE NO. 398

ACCELERATION (g)

FREQUENCY (Hz)



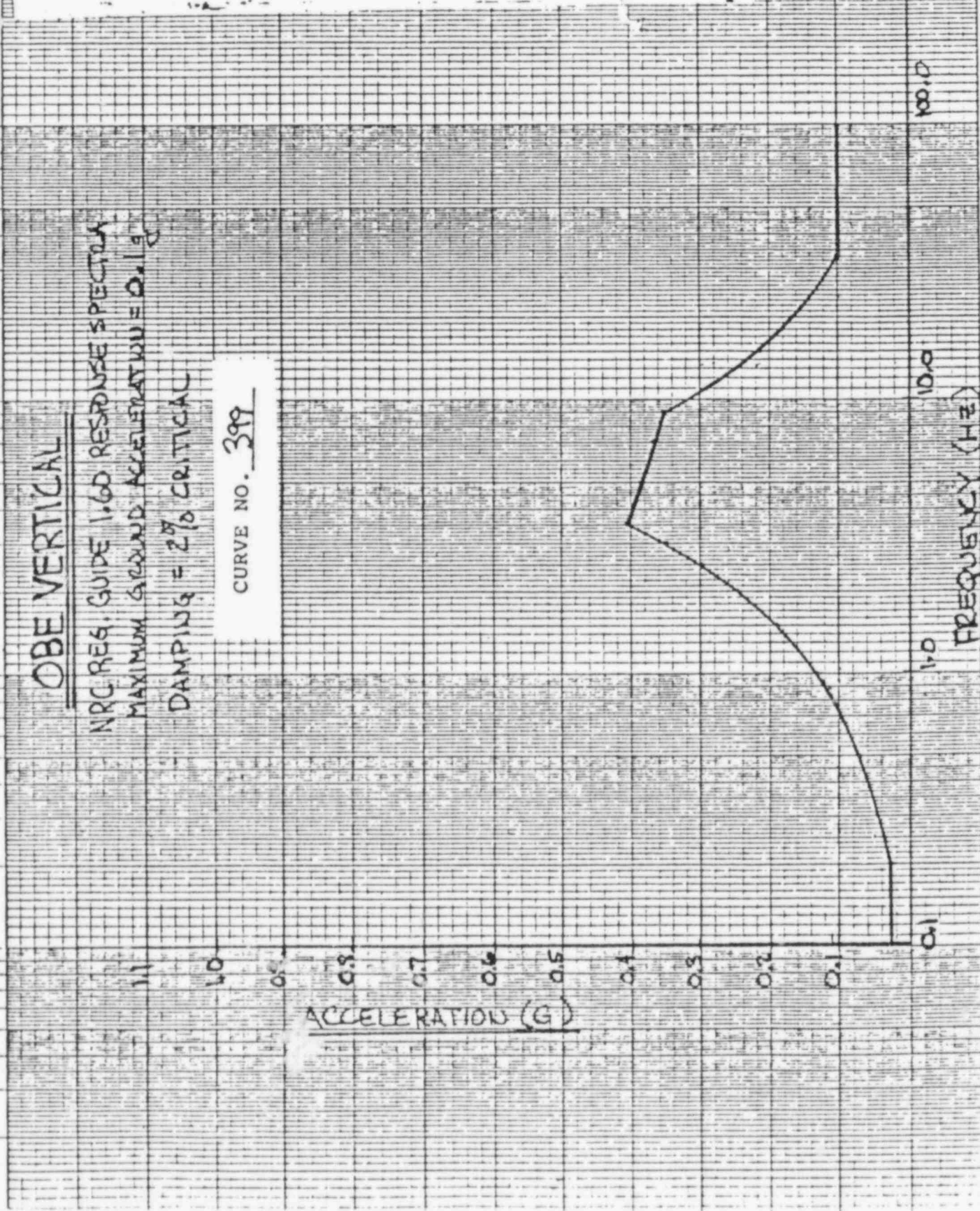
FOR INFORMATION ONLY

OBE VERTICAL

NRC REG. GUIDE 1.60 RESPONSE SPECTRA
MAXIMUM GROUND ACCELERATION = 0.1g
DAMPING = 2% CRITICAL

CURVE NO. 399

CALCULATION SHEET		JCFitz	3/18/81
PROJECT MAINE YANKEE PILING RE-ANALYSIS		DATE	3/12/81
SUBJECT GROUND RESPONSE SPECTRA		FILE NO.	4-F
SYSTEM (NRC REG. GUIDE 1.60)		SHEET NO.	DBS9-12
ANALYSIS NO. DBS9		REV. NO.	0



EES

CALCULATION SHEET

PROJECT MAINE YANKEE PIPING RE-ANALYSIS
 SUBJECT GROUND RESPONSE SPECTRA
 SYSTEM (NRC REG. GUIDE 1.60)
 ANALYSIS NO. DBS9 REV. NO. 0

DESIGNED BY JCF:TB 3/15/81
 CHECKED BY A. J. J. 3/12/81
 JOB NO. 80006 FILE NO. 4-F
 SHEET NO. DBS9-13

QBE VERTICAL

NRC REG. GUIDE 1.60 RESPONSE SPECTRA
 MAXIMUM GROUND ACCELERATION = 0.1g
 DAMPING = 4% CRITICAL

CURVE NO. 400

ACCELERATION (G)

FREQUENCY (Hz)

1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1

10.0 1.0 0.1

FOR INFORMATION ONLY

3 CYCLES & 70 DIVISIONS KEUFFEL & ESSER CO.