



May 6, 1993

FREEDOM OF INFORMATION  
ACT REQUEST

Mr. D.H. Grimsley, Director  
Division of Freedom of Information and  
Public Services  
Office of Administration  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

*FOIA-93-284  
Rec'd 5-14-93*

Dear Mr. Grimsley:

In January 1989, Lawrence Livermore National Laboratory (LLNL), under contract to the USNRC, published an eight volume report NUREG/CR-5250 (UCID-21517) on seismic hazard characterization of 69 nuclear power plant sites east of the Rocky Mountains. Two of the sites, Turkey Point and St. Lucie are owned by Florida Power & Light Company and they were ranked 67th and 68th, respectively in seismic hazard characterization.

At a NRC staff public meeting held at the Crowne Plaza, Rockville, MD on March 9, 1993 Dr. J. Savy of LLNL and Ms. P. Sobel of USNRC presented revised, but unpublished seismic hazard characterizations for Pilgrim, Braidwood, Millstone, Shearon Harris, Crystal River, Byron, Vogtle and Seabrook. Dr. Savy verbally informed Mr. J.R. Luke of my staff that LLNL had also prepared revised, but unpublished seismic hazard characterizations for Turkey Point and St. Lucie.

Pursuant to the Freedom of Information Act and the implementing of regulations in Title 10 of the Code of Federal Regulations, I hereby request the following:

Any and all narratives, tables, figures, charts, graphs or other documentation in the possession of the USNRC or it's contractor LLNL pertaining to the seismic hazard characterization of the Turkey Point and/or St. Lucie sites prepared by LLNL subsequent to January 1, 1992.

**Note:** Representative sample documentation from NUREG/CR-5250 is provided herewith as Pages E-1 through E-10 and G-1 through G-10 to assist your staff.

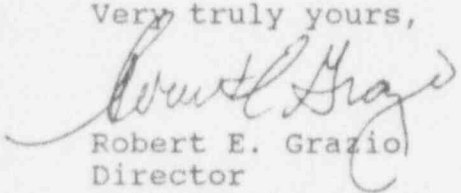
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JNL-93-093  
Page 2 of 2

If the USNRC is not able to provide documentation which is in the possession of LLNL, please inform me as soon as possible so that I can send a FOIA request directly to LLNL.

Please let me know if the cost of responding to this request will exceed \$1,000.00.

Very truly yours,



Robert E. Grazio  
Director  
Nuclear Licensing

REG/JRL/vmg

cc: JNL-93-093

E.U.S. SEISMIC HAZARD CHARACTERIZATION  
LOWER MAGNITUDE OF INTEGRATION IS 5.0

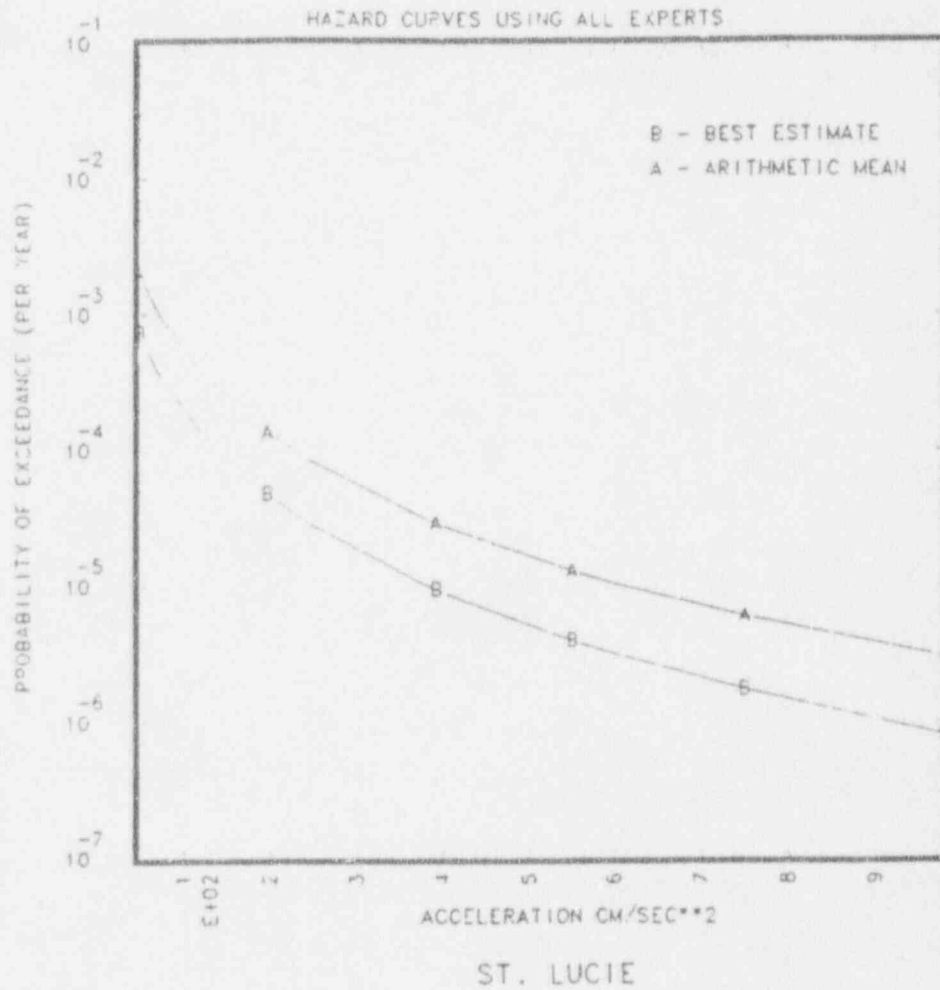
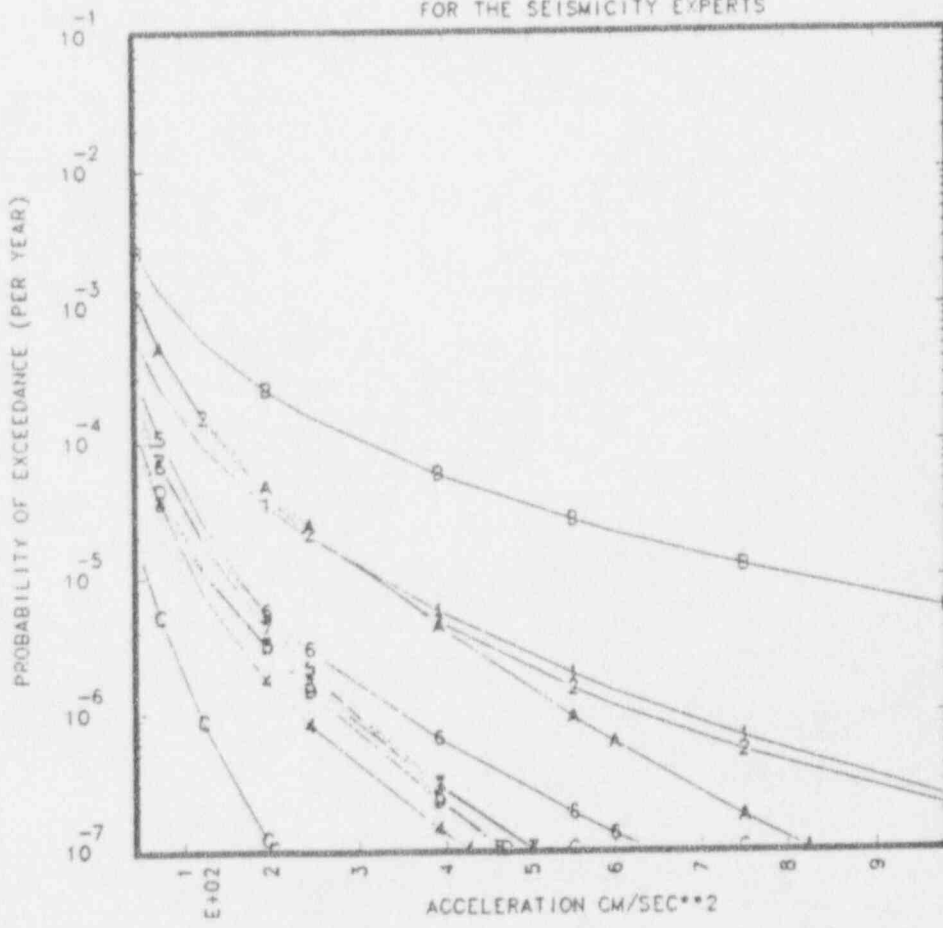


Figure 2.14.1 Comparison of the BEHC and AMHC aggregated over all S and G-Experts for the St. Lucie site.

E.U.S SEISMIC HAZARD CHARACTERIZATION  
 LOWER MAGNITUDE OF INTEGRATION IS 5.0

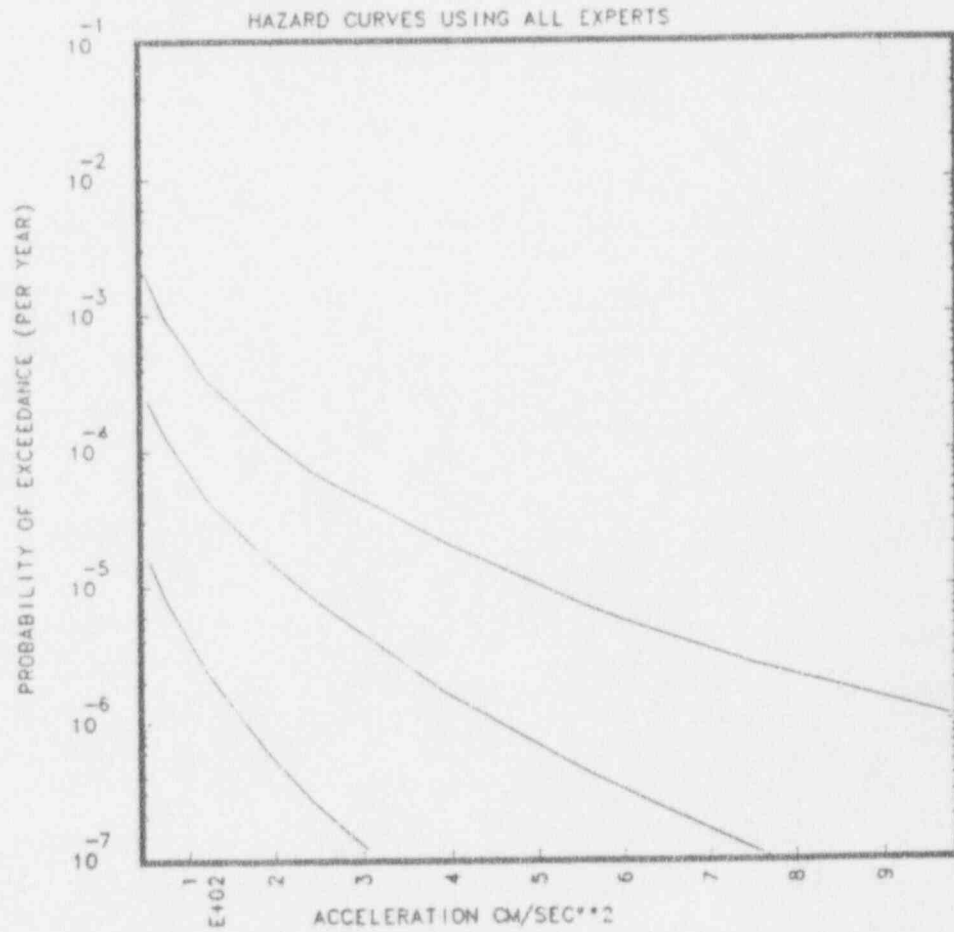
BEST ESTIMATE  
 FOR THE SEISMICITY EXPERTS



ST. LUCIE

Figure 2.14.2 BEHCs per S-Expert combined over all G-Experts for the St. Lucie site. Plot symbols given in Table 2.0.

E.U.S SEISMIC HAZARD CHARACTERIZATION  
 LOWER MAGNITUDE OF INTEGRATION IS 5.0  
 PERCENTILES = 15., 50. AND 85.



ST. LUCIE

Figure 2.14.3 CPHCs for the 15th, 50th and 85th percentiles based on all S and G-Experts' input for the St. Lucie site.

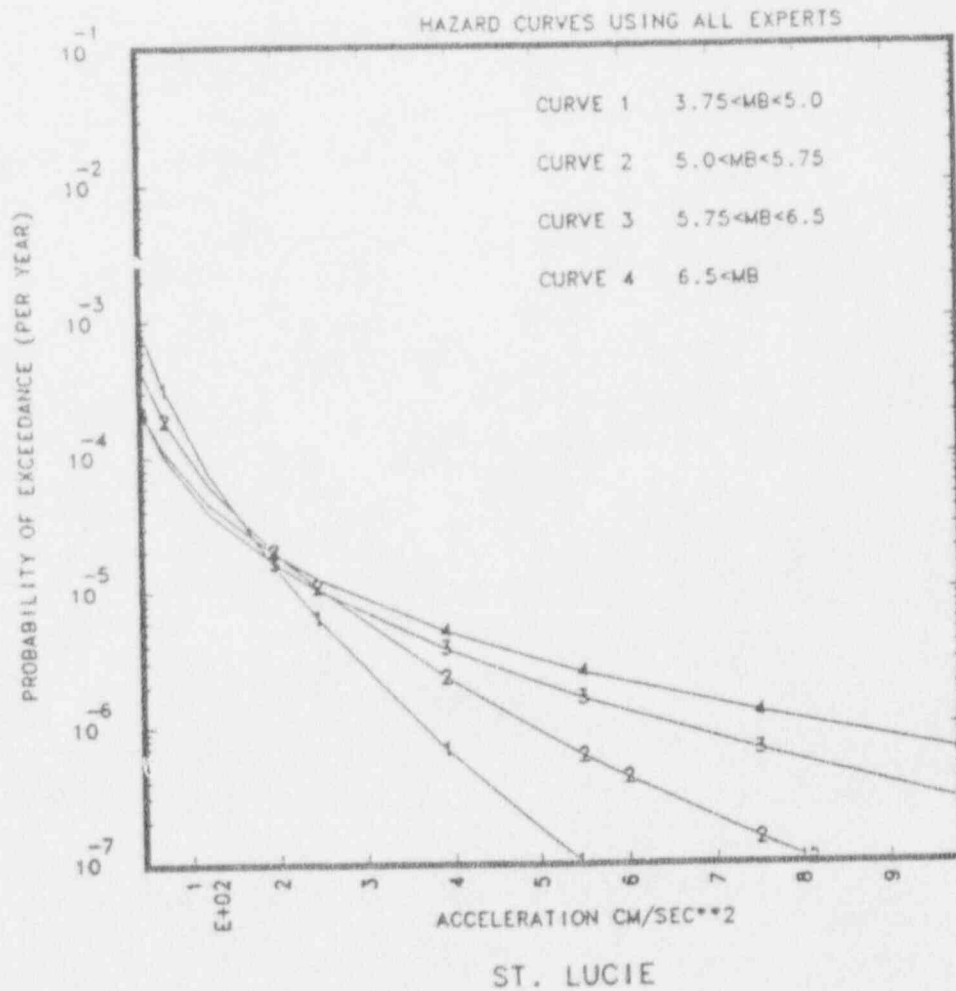


Figure 2.14.4 BEHCs which include only the contribution to the PGA hazard from earthquakes within the indicated magnitude range for the St. Lucie site.

E.U.S. SEISMIC HAZARD CHARACTERIZATION  
LOWER MAGNITUDE OF INTEGRATION IS 5.0

500., 1000., 2000., 5000., 10000. YEARS RETURN PERIOD  
BEST ESTIMATE SPECTRA COMBINED OVER ALL EXPERTS

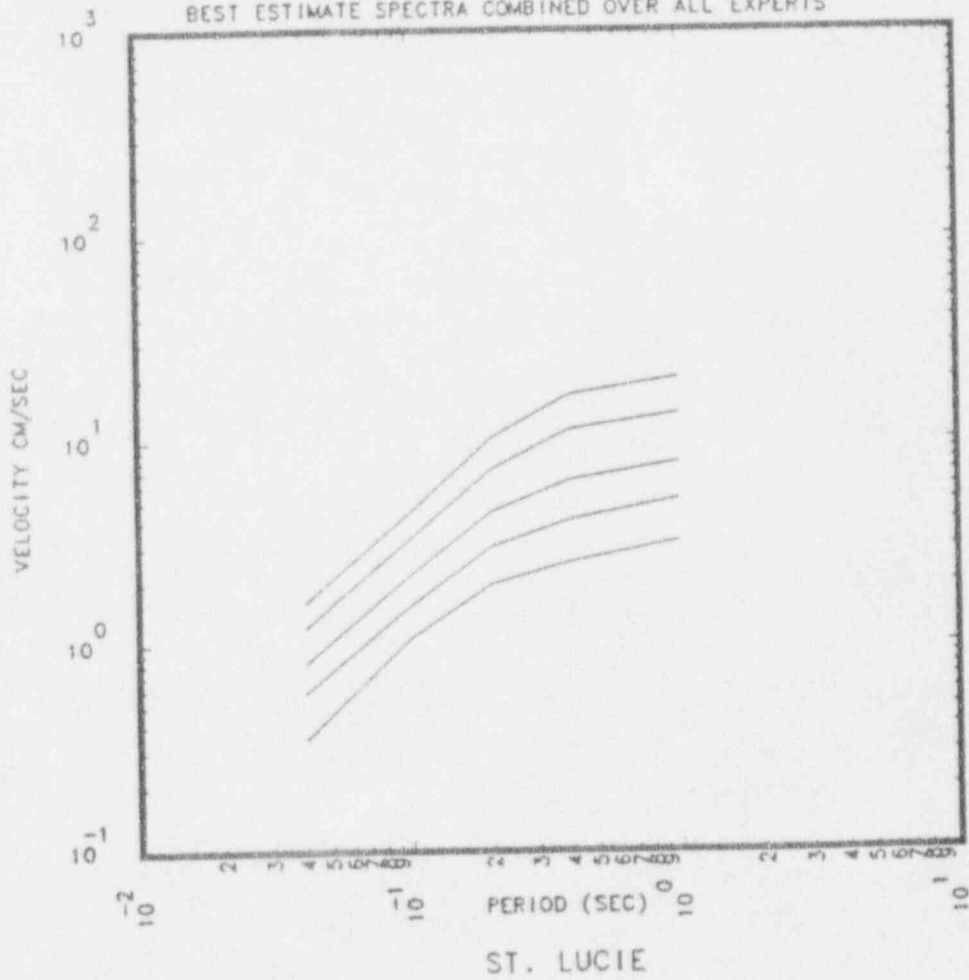


Figure 2.14.5 BEUHS for return periods of 500, 1000, 2000, 5000 and 10000 years aggregated over all S and G-Experts for the St. Lucie site.

E.U.S SEISMIC HAZARD CHARACTERIZATION  
 LOWER MAGNITUDE OF INTEGRATION IS 5.0  
 BEST ESTIMATE SPECTRA BY SEISMIC EXPERT FOR  
 1000. YEARS RETURN PERIOD

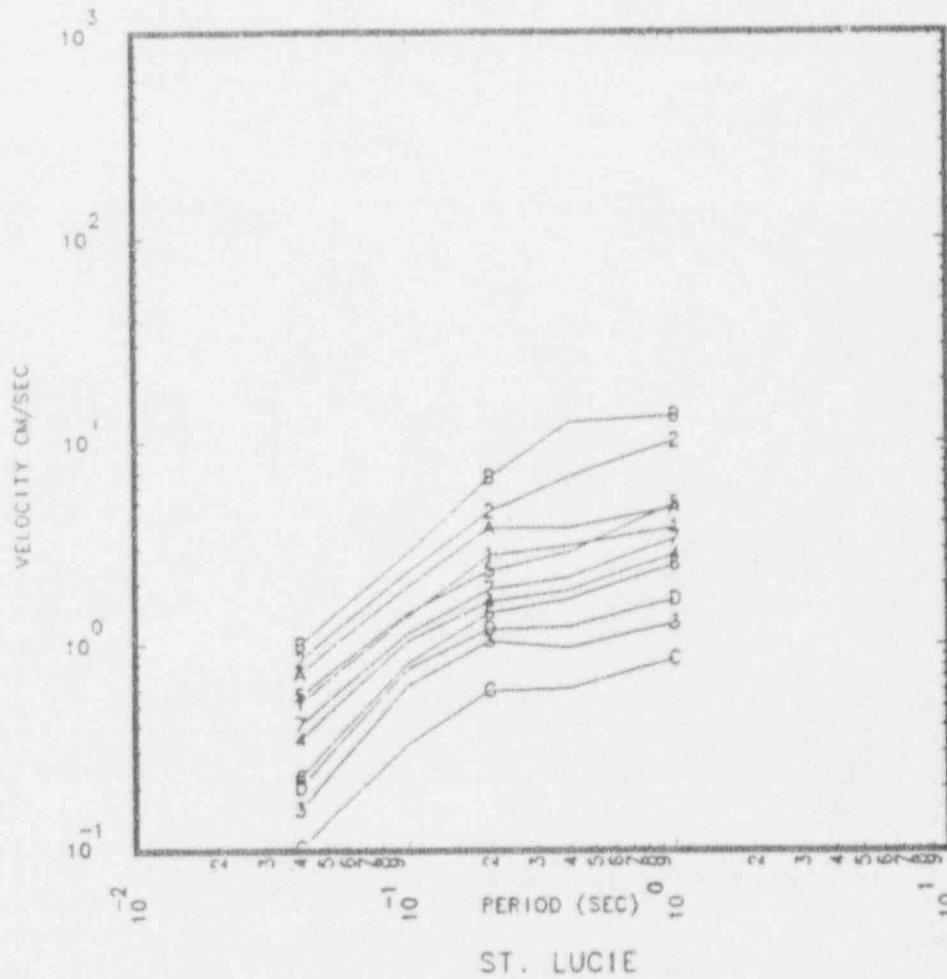


Figure 2.14.6 The 1000 year return period BEUHS per S-Expert aggregated over all G-Experts for the St. Lucie site. Plot symbols are given in Table 2.0.



E.U.S SEISMIC HAZARD CHARACTERIZATION  
 LOWER MAGNITUDE OF INTEGRATION IS 5.0  
 500.-YEAR RETURN PERIOD CONSTANT PERCENTILE SPECTRA FOR :  
 PERCENTILES = 15., 50. AND 85.

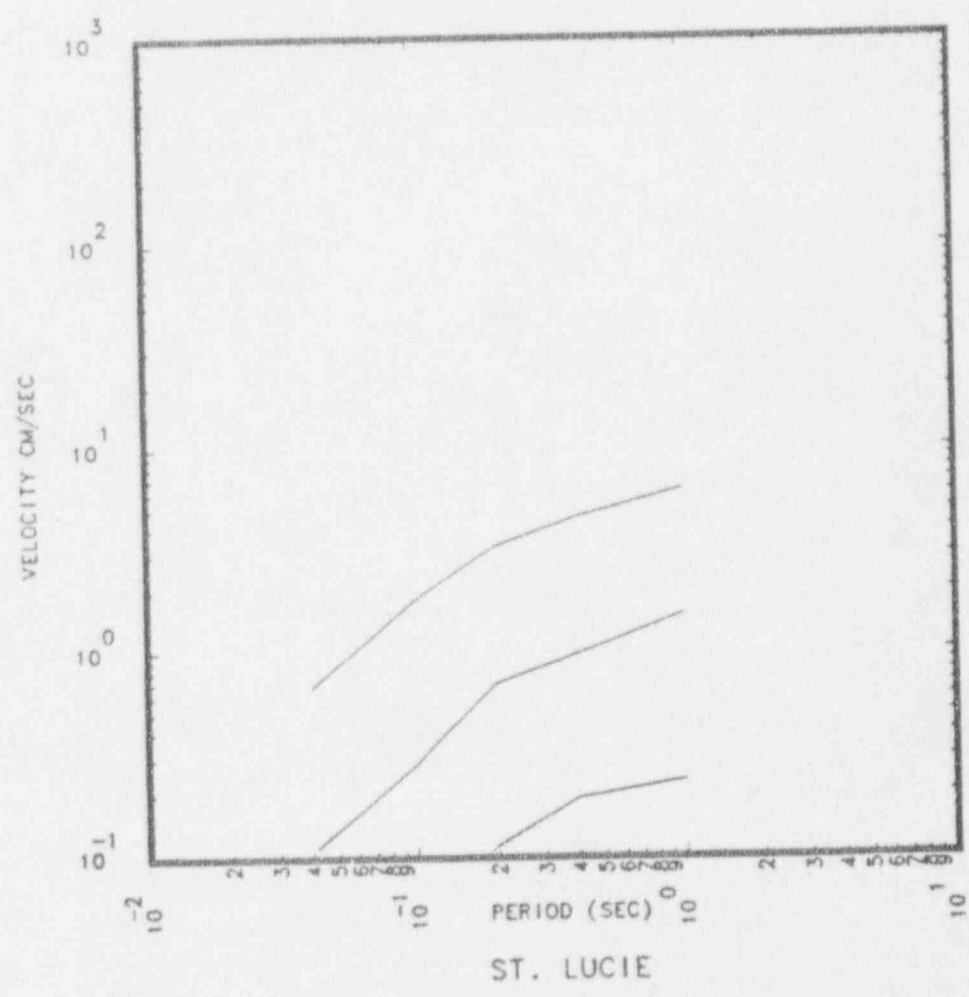


Figure 2.14.7 500 year return period CPUHS for the 15th, 50th and 85th percentiles aggregated over all S and G-Experts for the St. Lucie site.

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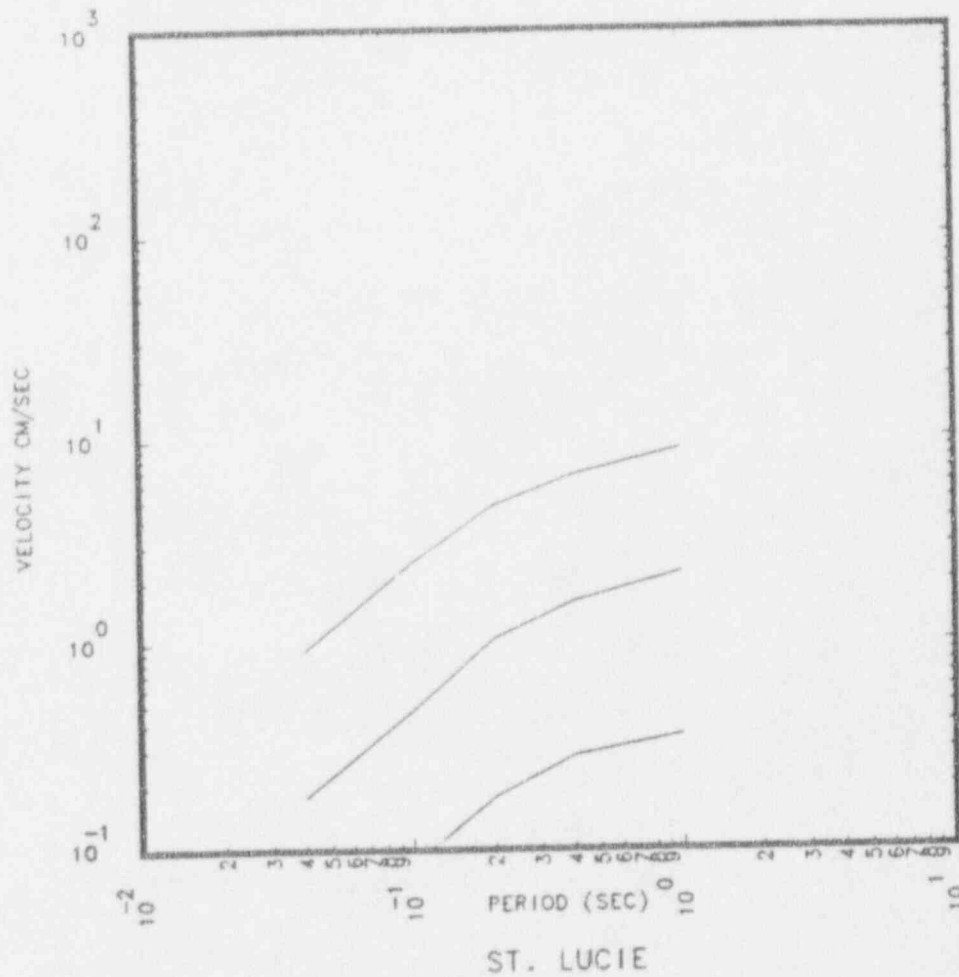


Figure 2.14.8 1000 year return period CPUHS for the 15th, 50th and 85th percentile aggregated over all S and G-Experts for the St. Lucie site.

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 10000.-YEAR RETURN PERIOD CONSTANT PERCENTILE SPECTRA FOR :  
 PERCENTILES = 15., 50. AND 85.

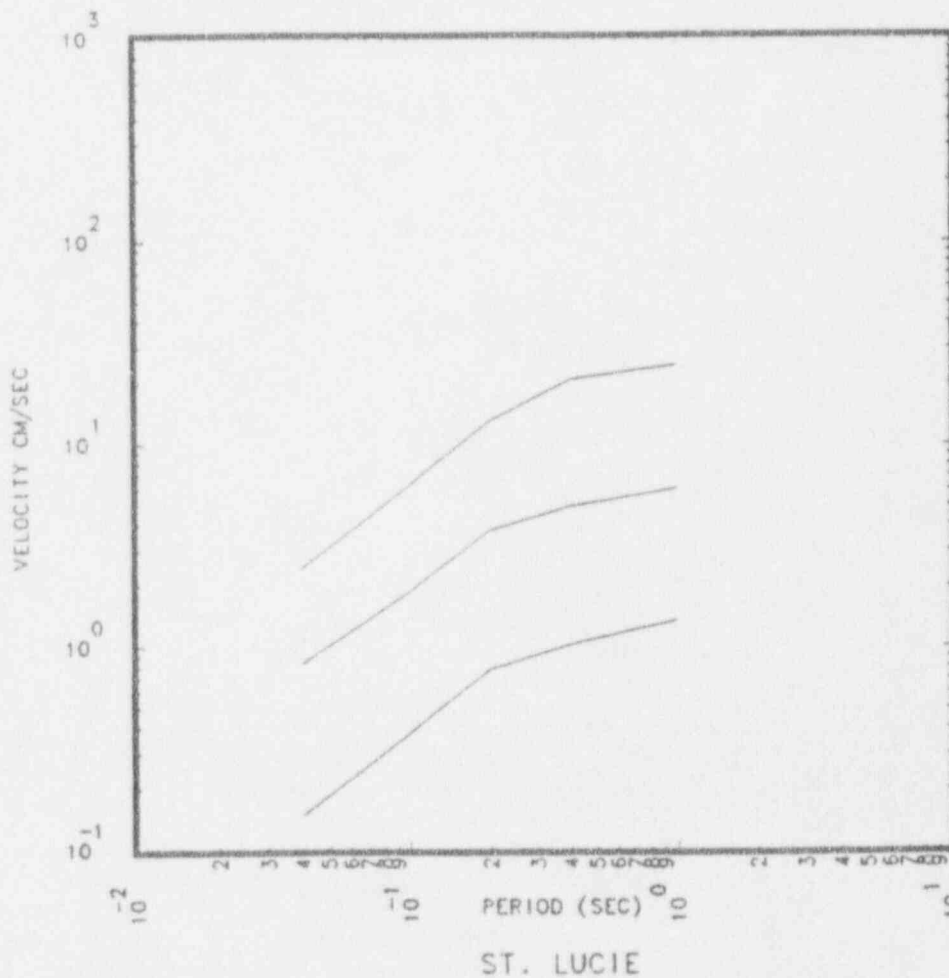


Figure 2.14.9 10000 year return period CPUHS for the 15th, 50th and 85th percentiles aggregated over all S and G-Experts for the St. Lucie site.

E.U.S SEISMIC HAZARD CHARACTERIZATION  
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50-TH PERCENTILE SPECTRA FOR ALL RETURN PERIODS

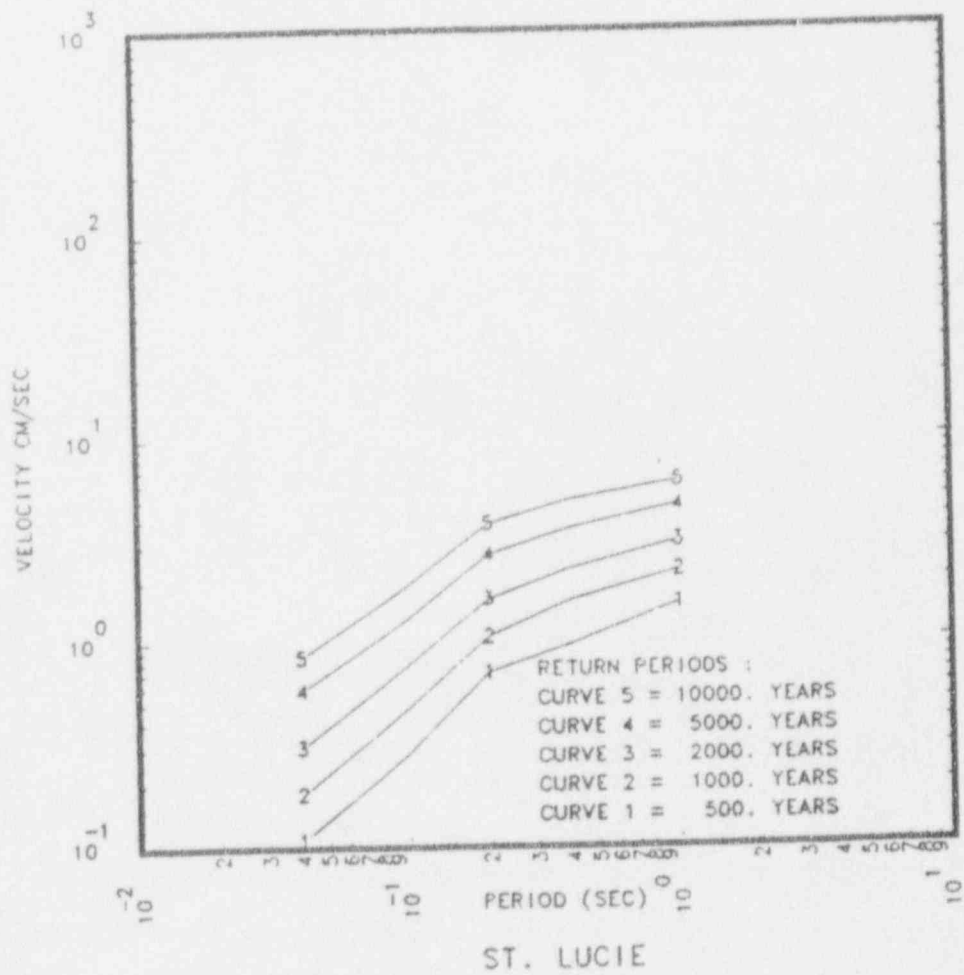


Figure 2.14.10 Comparison of the 50th percentile CPUHS for return periods of 500, 1000, 2000, 5000 and 10000 years for the St. Lucie site.

E.U.S. SEISMIC HAZARD CHARACTERIZATION  
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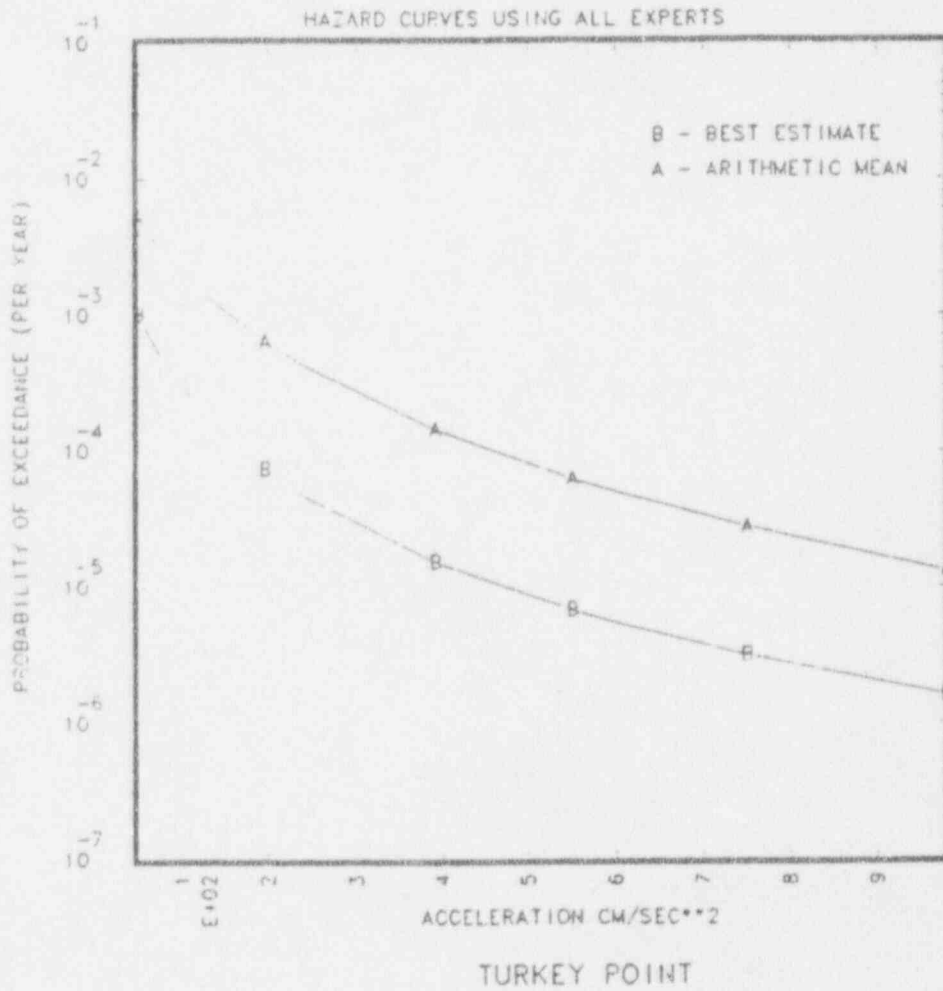


Figure 2.15.1 Comparison of the BEHC and AMHC aggregated over all S and G-Experts for the Turkey Point site.

E.U.S SEISMIC HAZARD CHARACTERIZATION  
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BEST ESTIMATE  
 FOR THE SEISMICITY EXPERTS

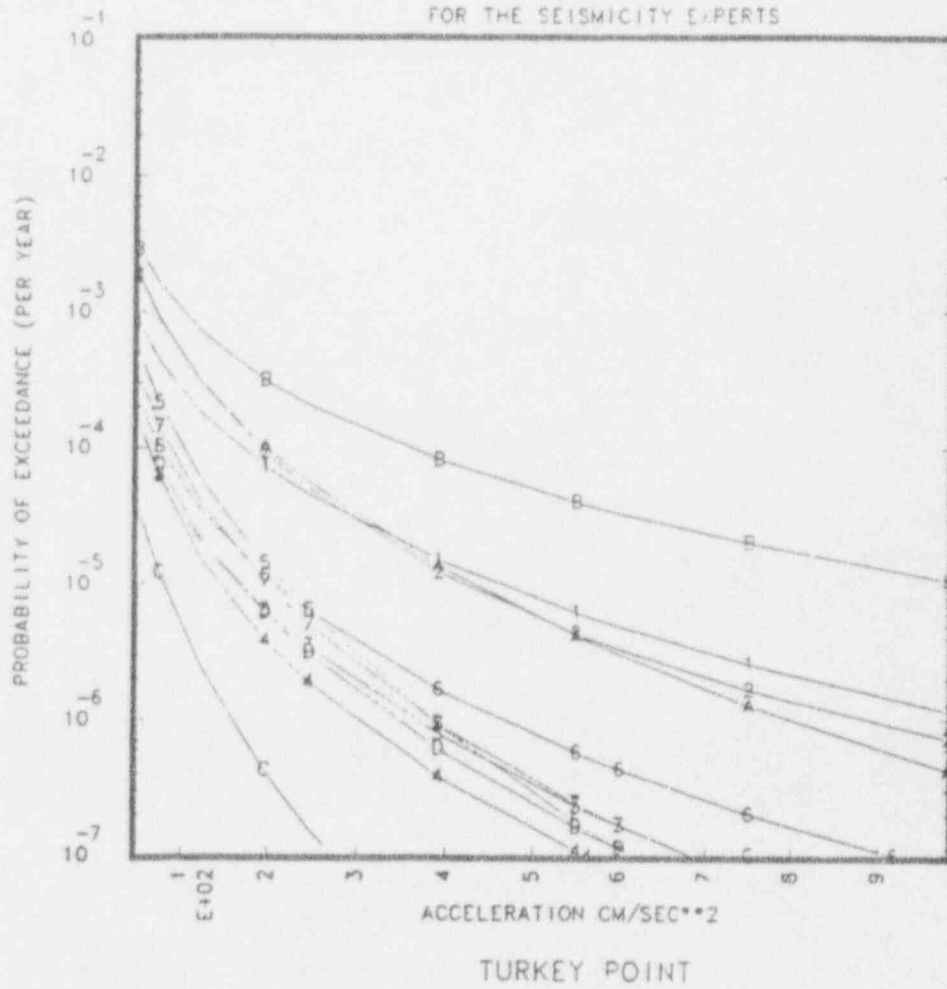


Figure 2.15.2 BEHCs per S-Expert combined over all G-Experts for the Turkey Point site. Plot symbols given in Table 2.0.

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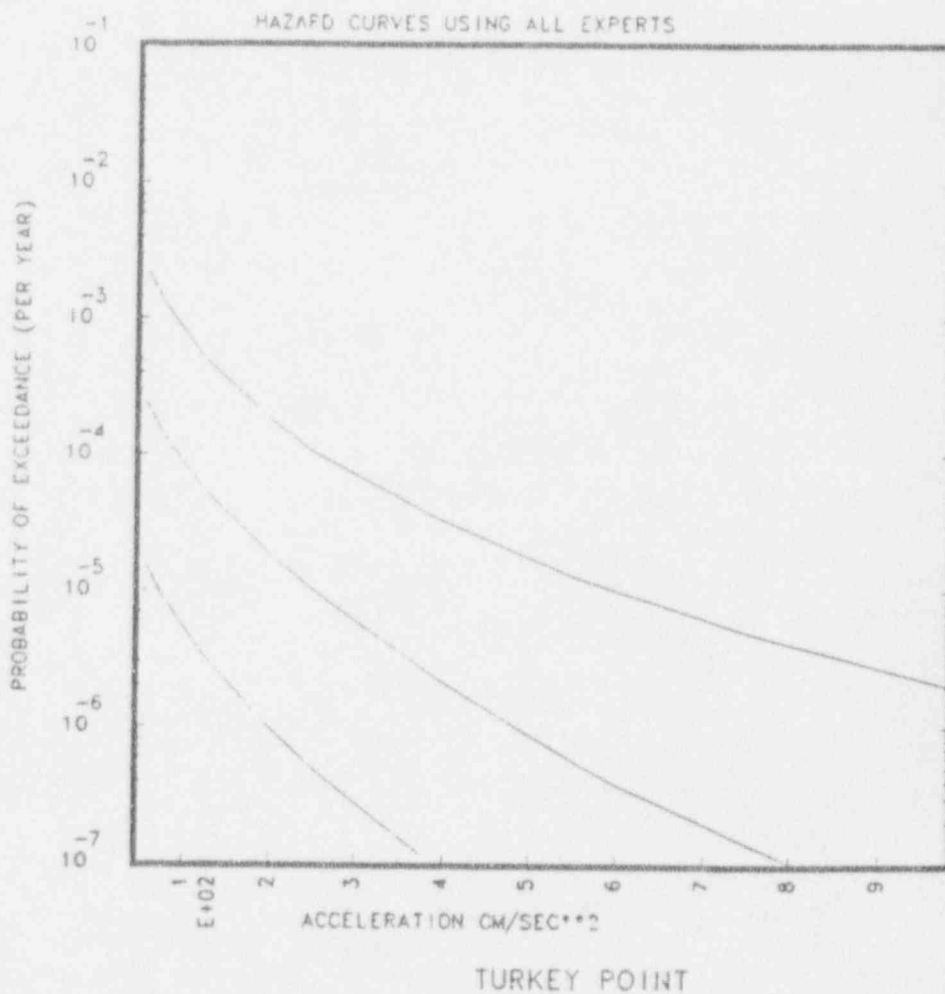


Figure 2.15.3 CPHCs for the 15th, 50th and 85th percentiles based on all S and G-Experts' input for the Turkey Point site.

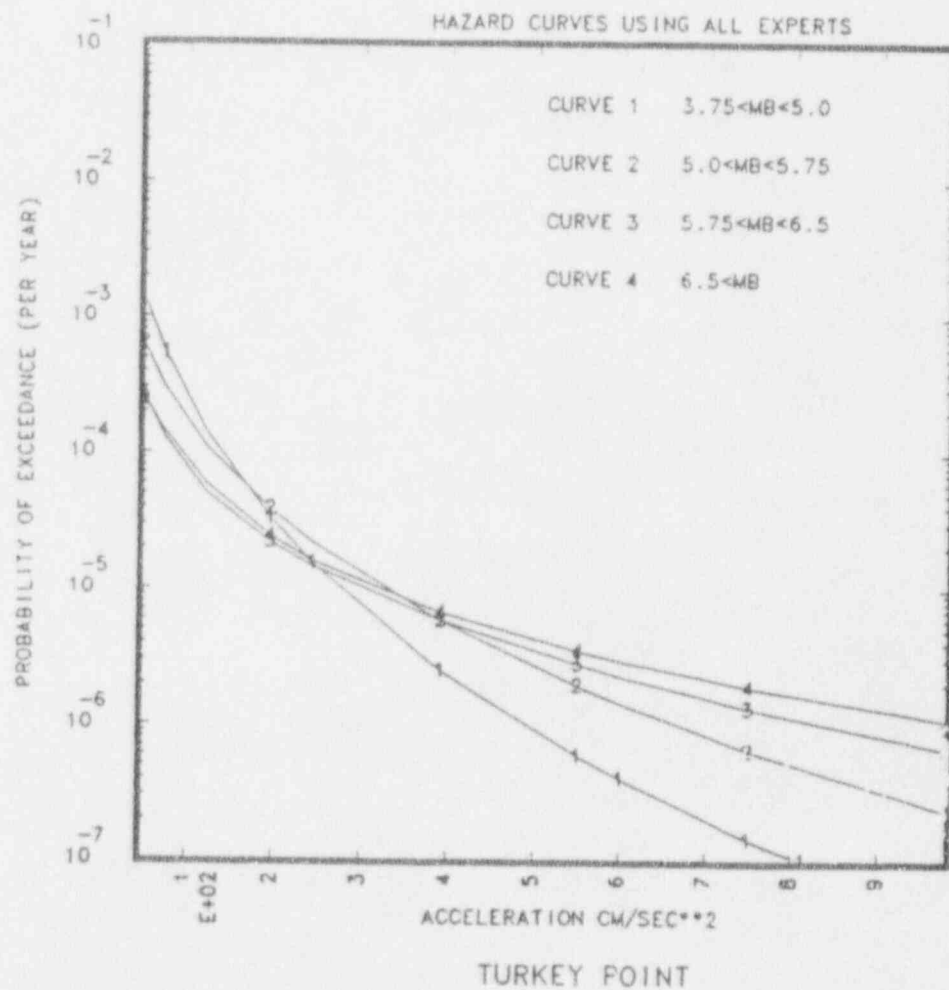


Figure 2.15.4 BEHCs which include only the contribution to the PGA hazard from earthquakes within the indicated magnitude range for the Turkey Point site.



E.U.S SEISMIC HAZARD CHARACTERIZATION  
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500., 1000., 2000., 5000., 10000. YEARS RETURN PERIOD  
BEST ESTIMATE SPECTRA COMBINED OVER ALL EXPERTS

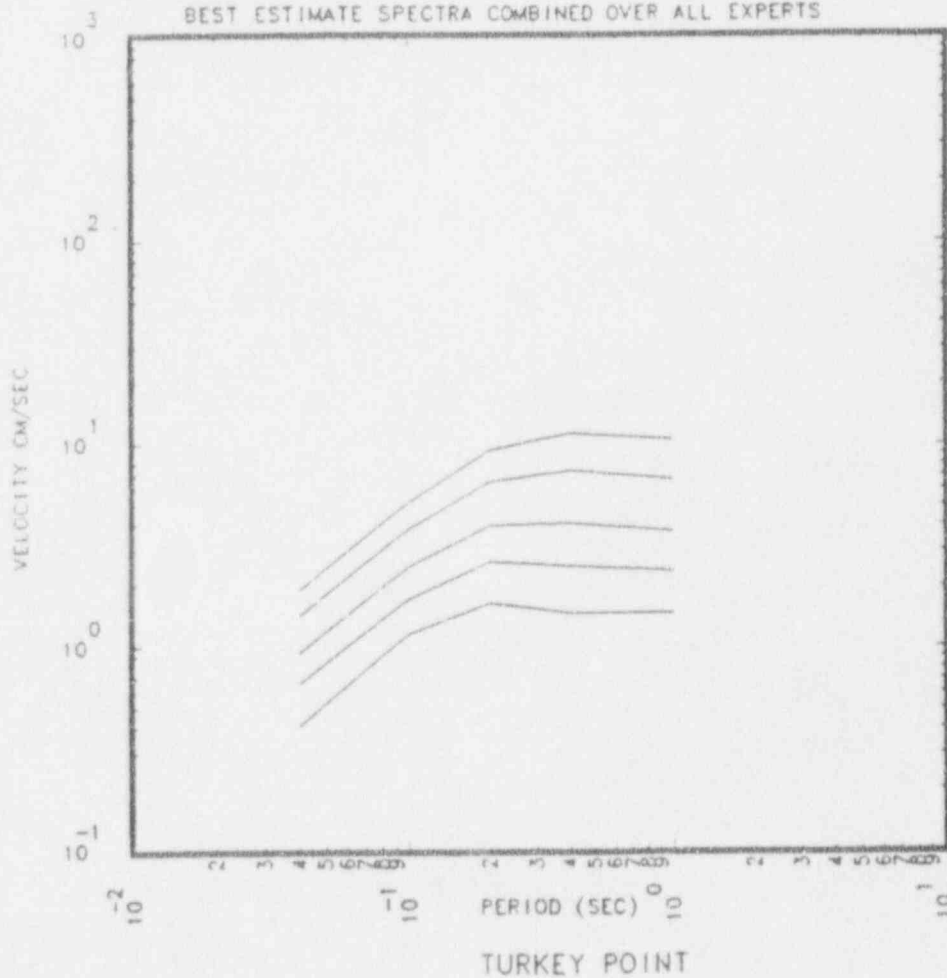


Figure 2.15.5 BEUHS for return periods of 500, 1000, 2000, 5000 and 10000 years aggregated over all S and G-Experts for the Turkey Point site.

E.U.S SEISMIC HAZARD CHARACTERIZATION  
 LOWER MAGNITUDE OF INTEGRATION IS 5.0  
 BEST ESTIMATE SPECTRA BY SEISMIC EXPERT FOR  
 1000. YEARS RETURN PERIOD

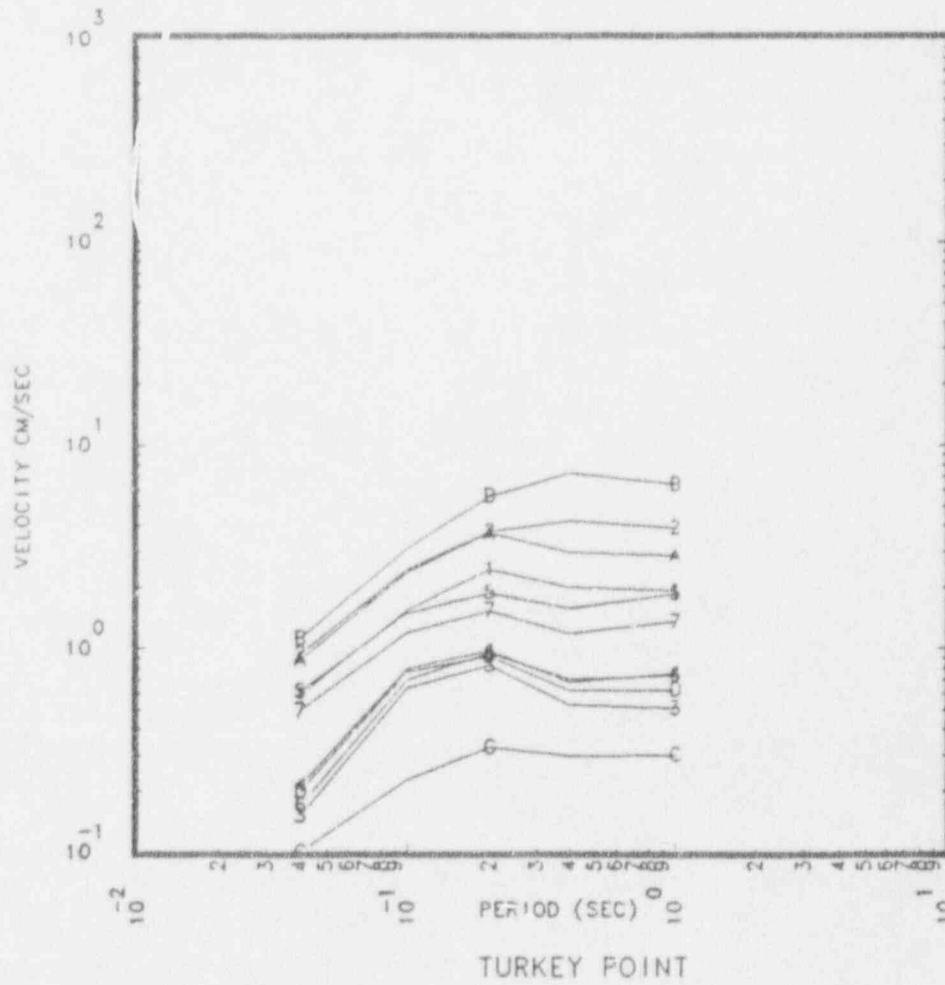


Figure 2.15.6 The 1000 year return period BEUHS per S-Expert aggregated over all G-Experts for the Turkey Point site. Plot symbols are given in Table 2.0.

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 500.-YEAR RETURN PERIOD CONSTANT PERCENTILE SPECTRA FOR :  
 PERCENTILES = 15., 50. AND 85.

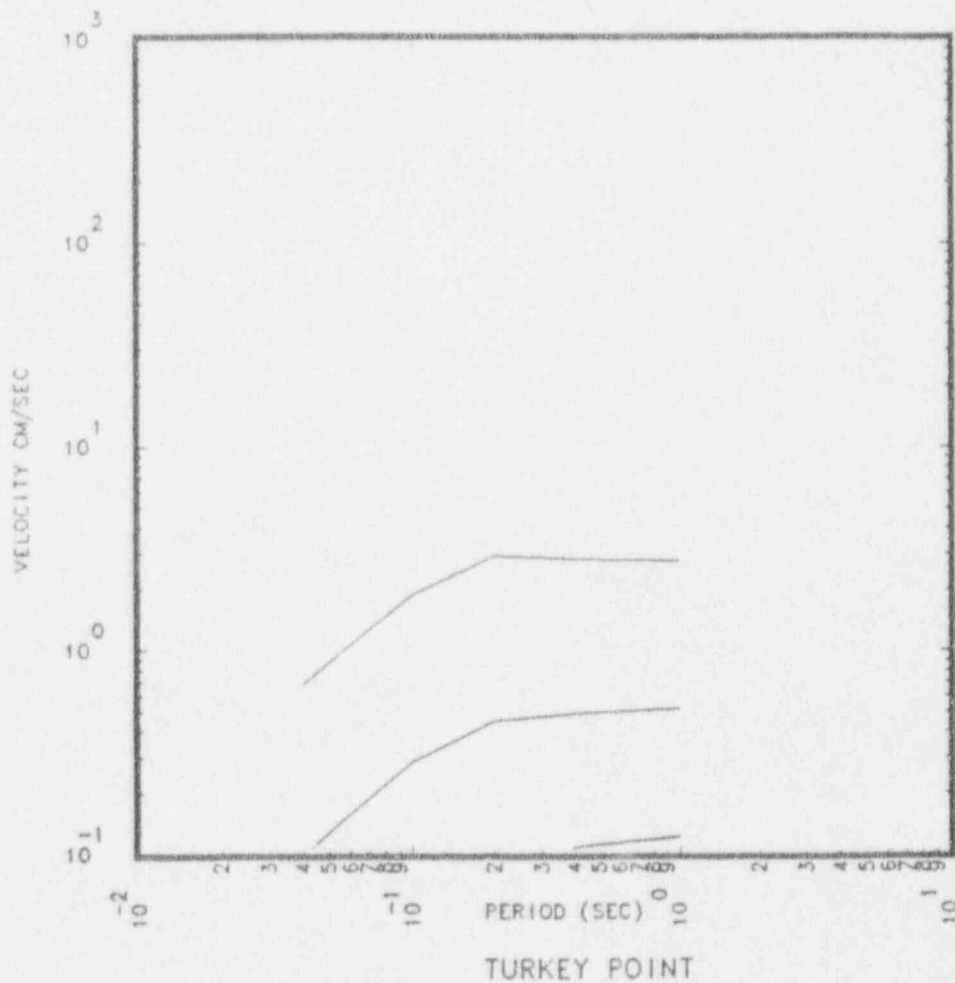


Figure 2.15.7 500 year return period CPUHS for the 15th, 50th and 85th percentiles aggregated over all S and G-Experts for the Turkey Point site.

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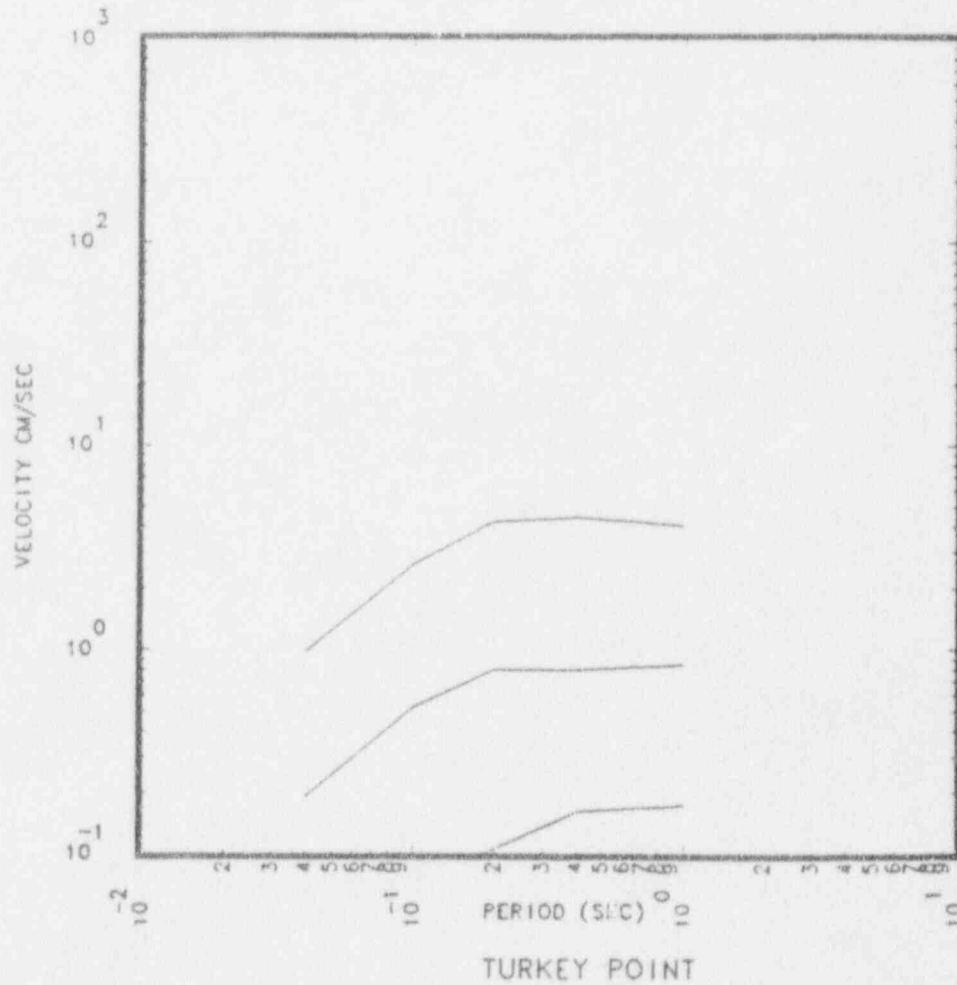


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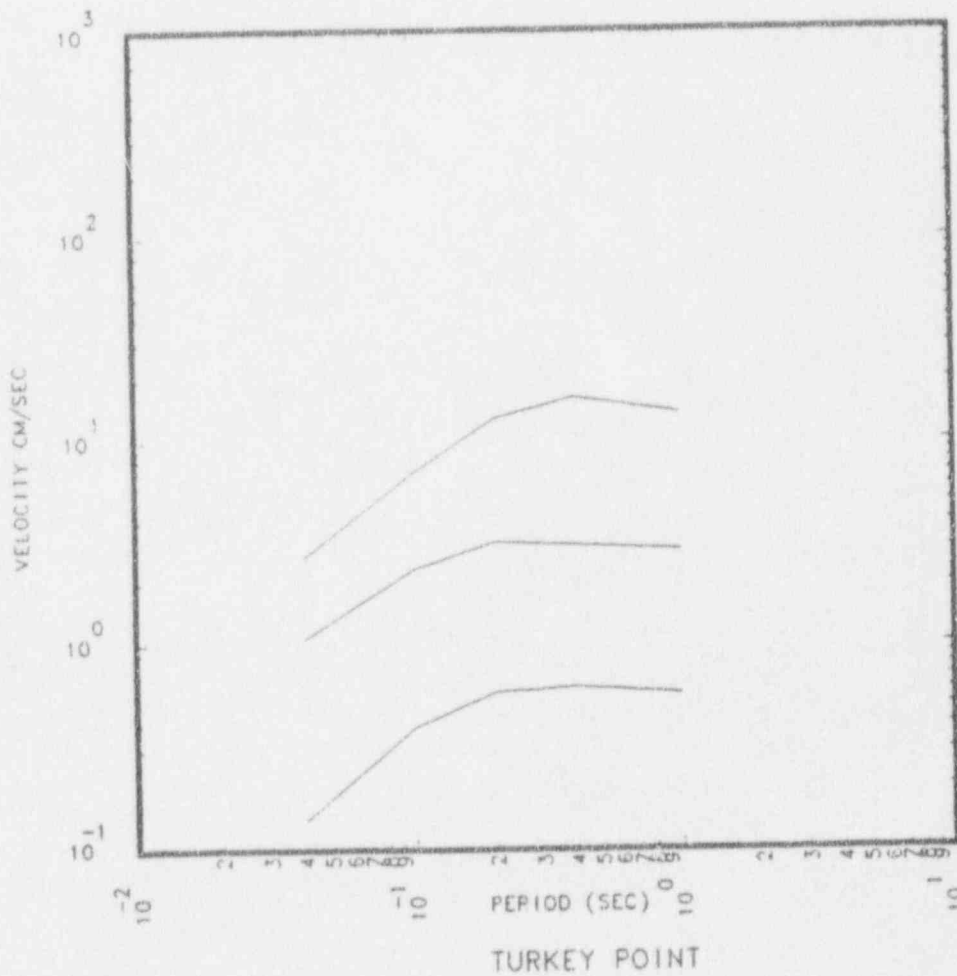


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50-TH PERCENTILE SPECTRA FOR ALL RETURN PERIODS

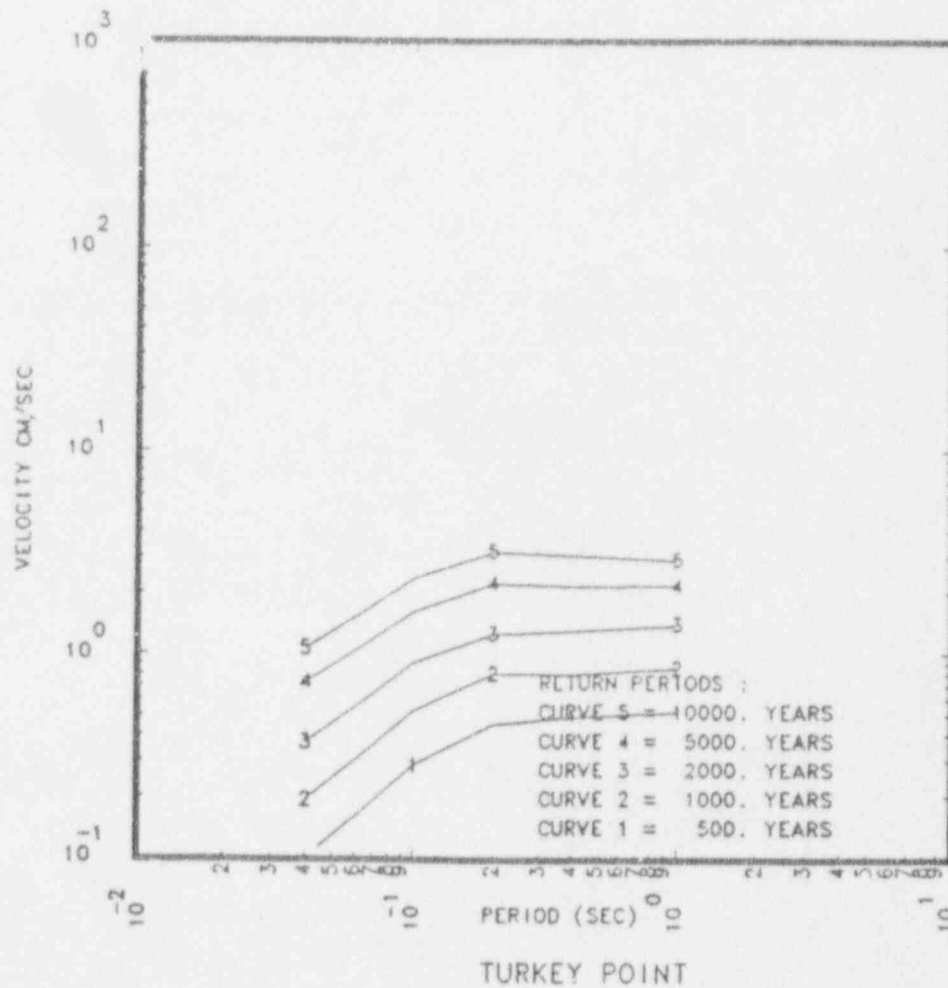


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