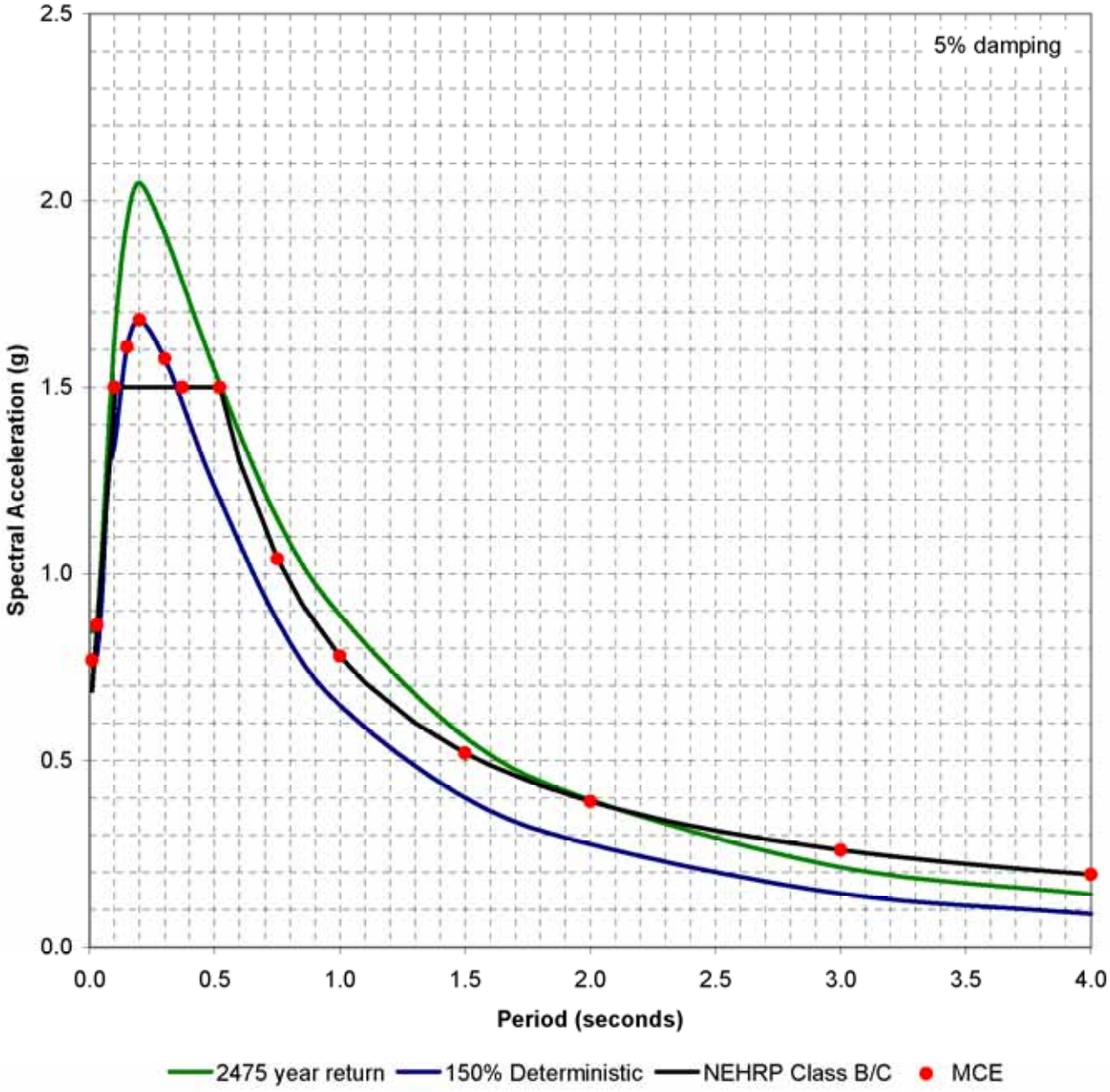
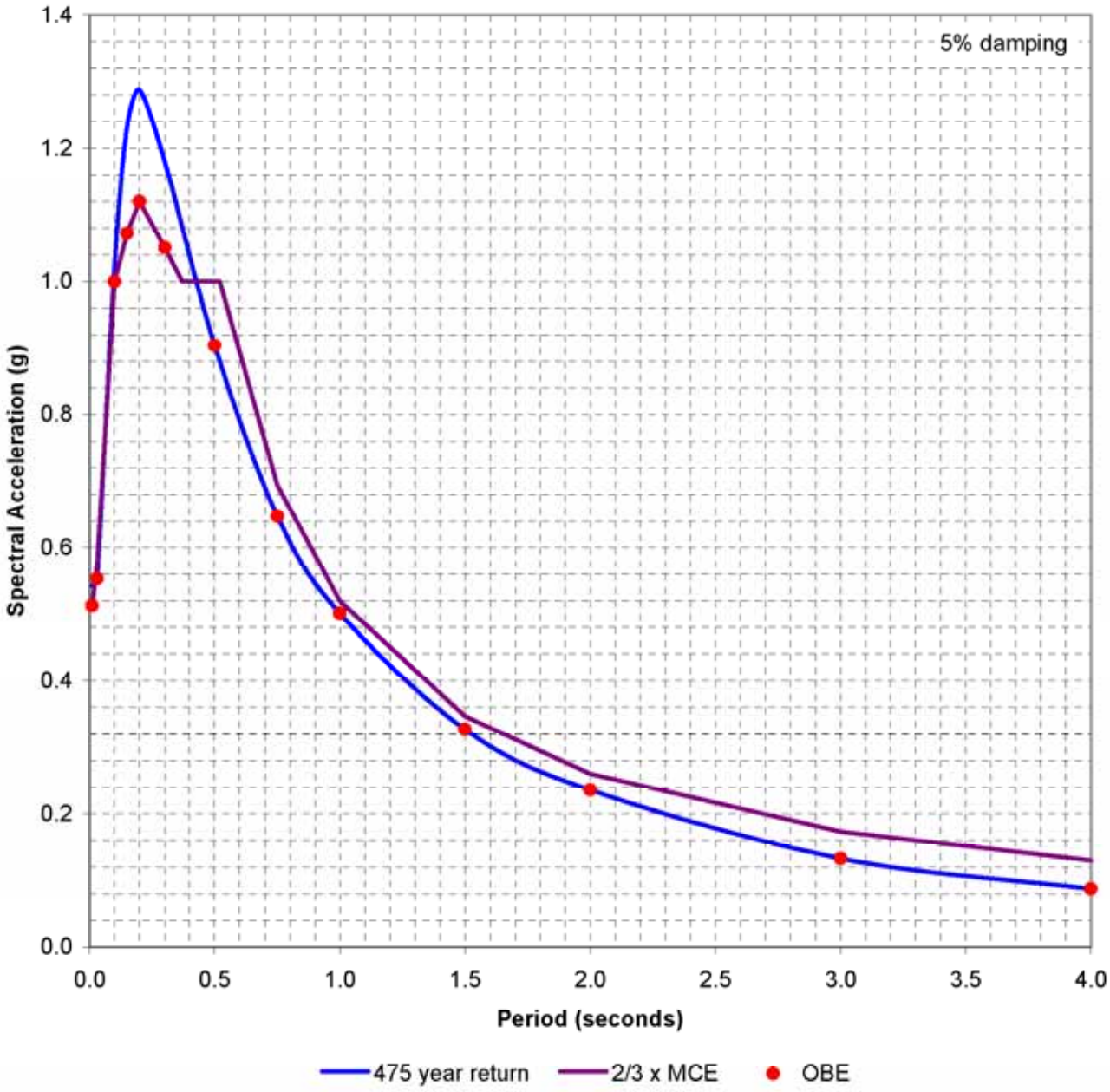


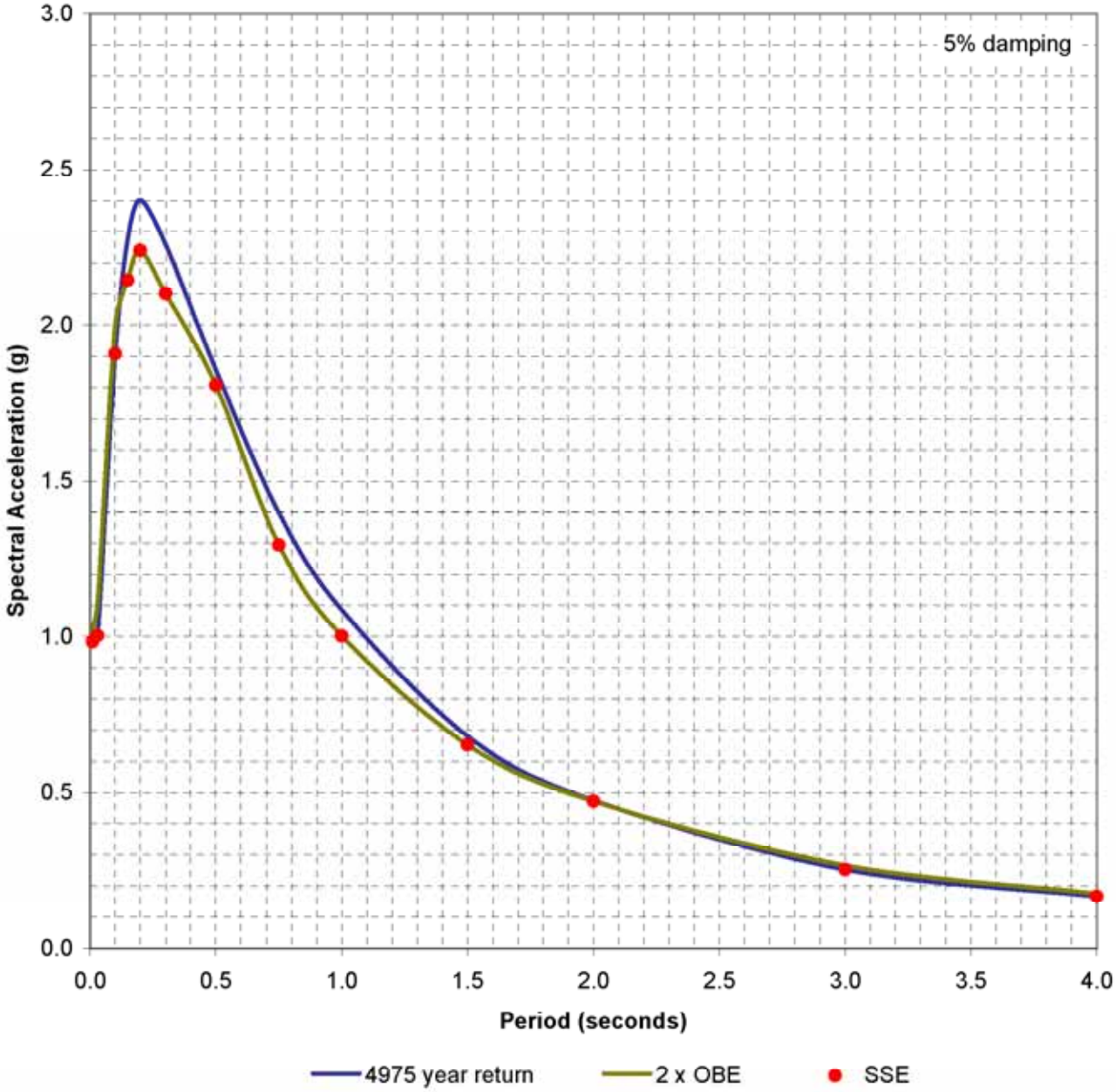
MAXIMUM CONSIDERED EARTHQUAKE (MCE) HORIZONTAL RESPONSE SPECTRUM
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4a



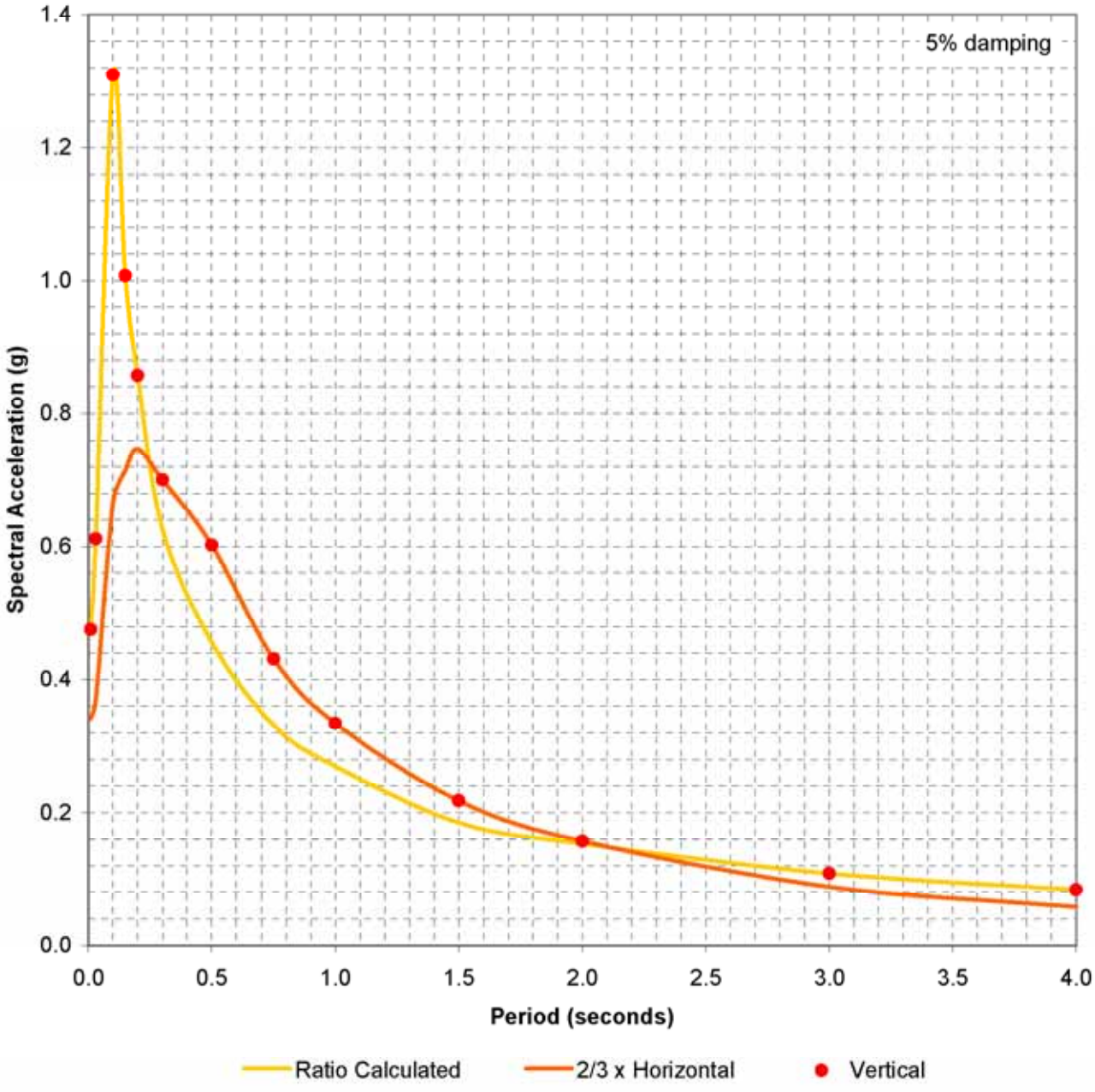
OPERATING BASIS EARTHQUAKE (OBE) HORIZONTAL RESPONSE SPECTRUM
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4b



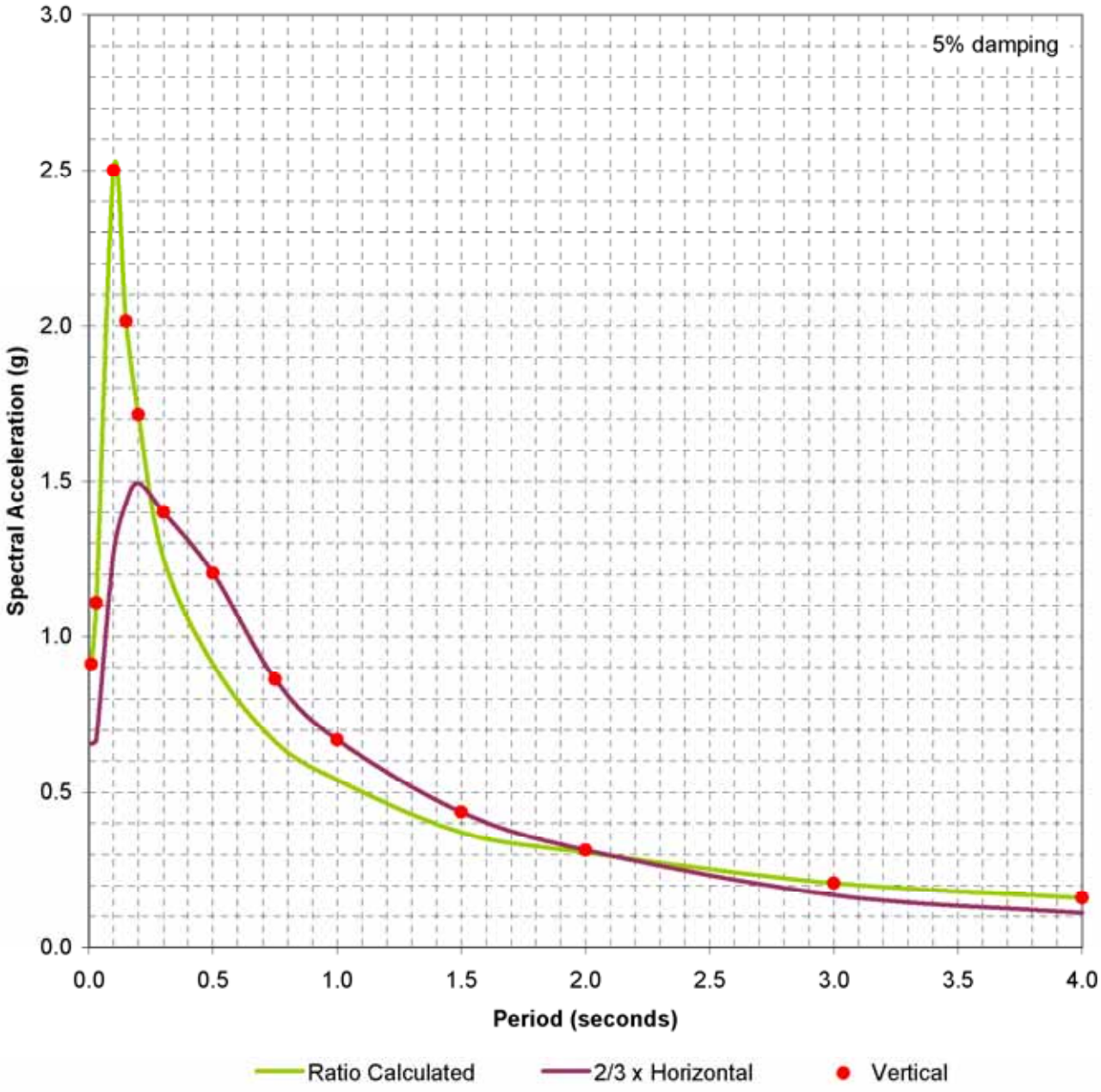
SAFE SHUTDOWN EARTHQUAKE (SSE) HORIZONTAL RESPONSE SPECTRUM
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4c



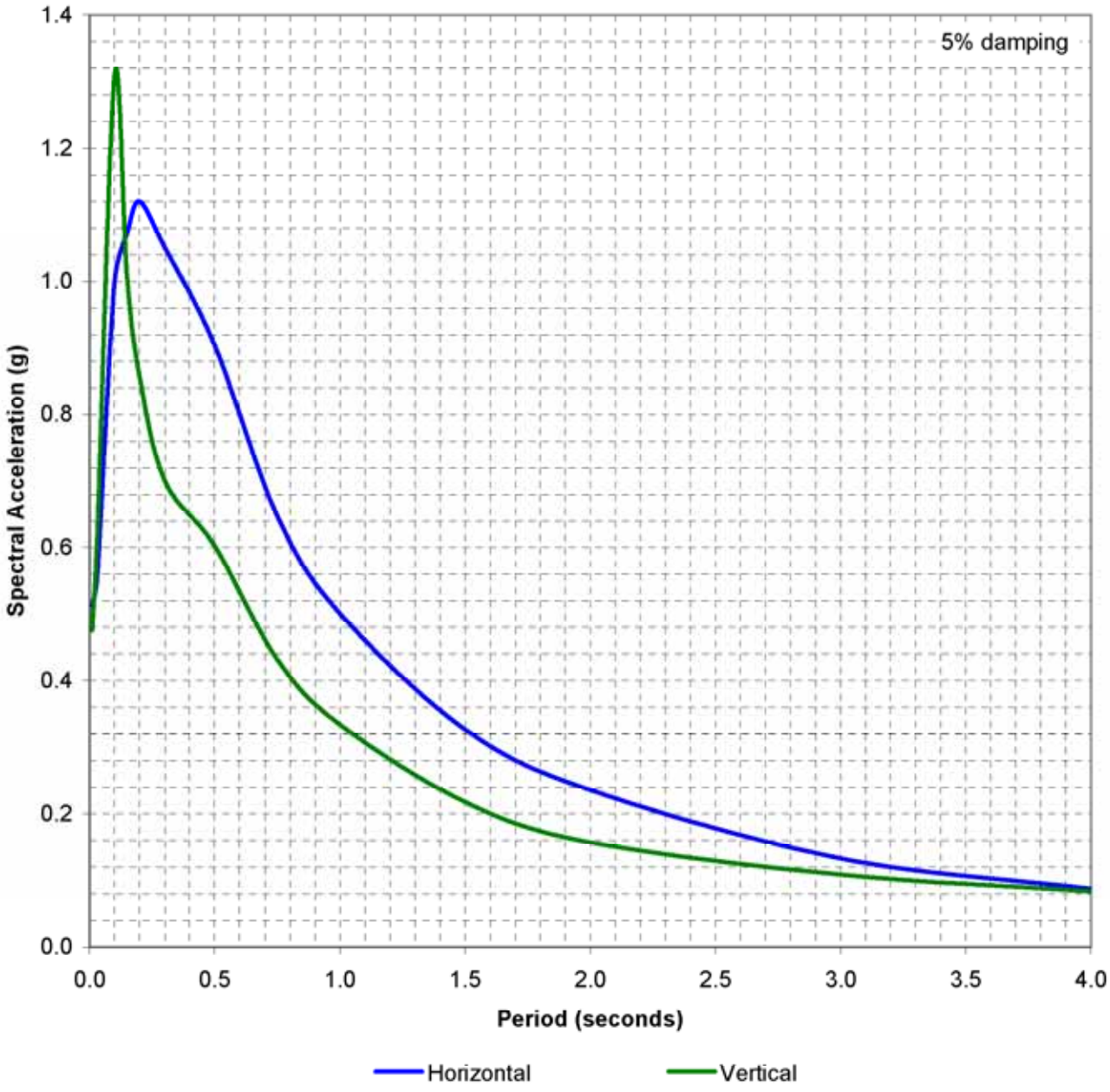
OBE VERTICAL RESPONSE SPECTRUM
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4d



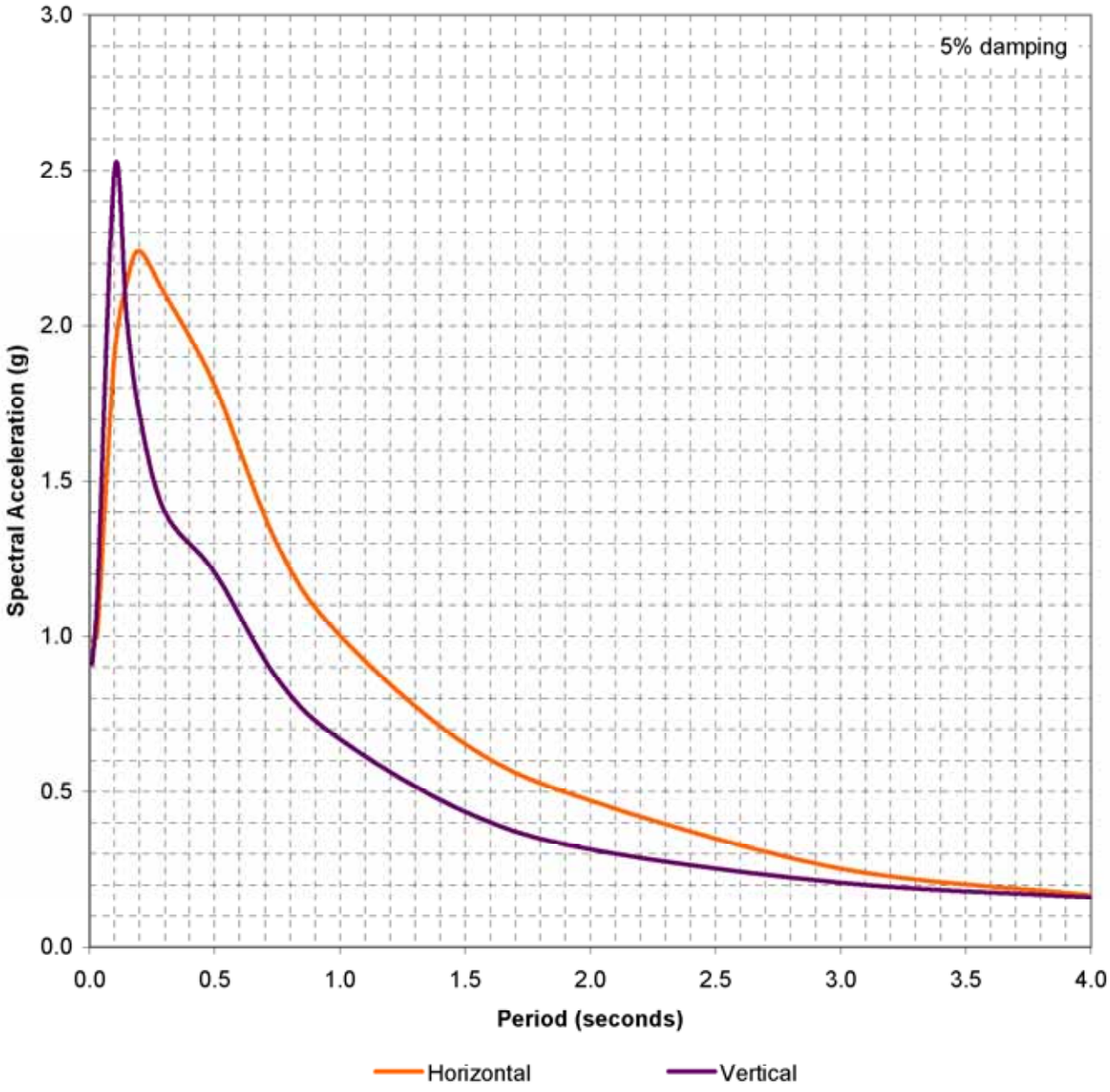
SSE VERTICAL RESPONSE SPECTRUM
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4e



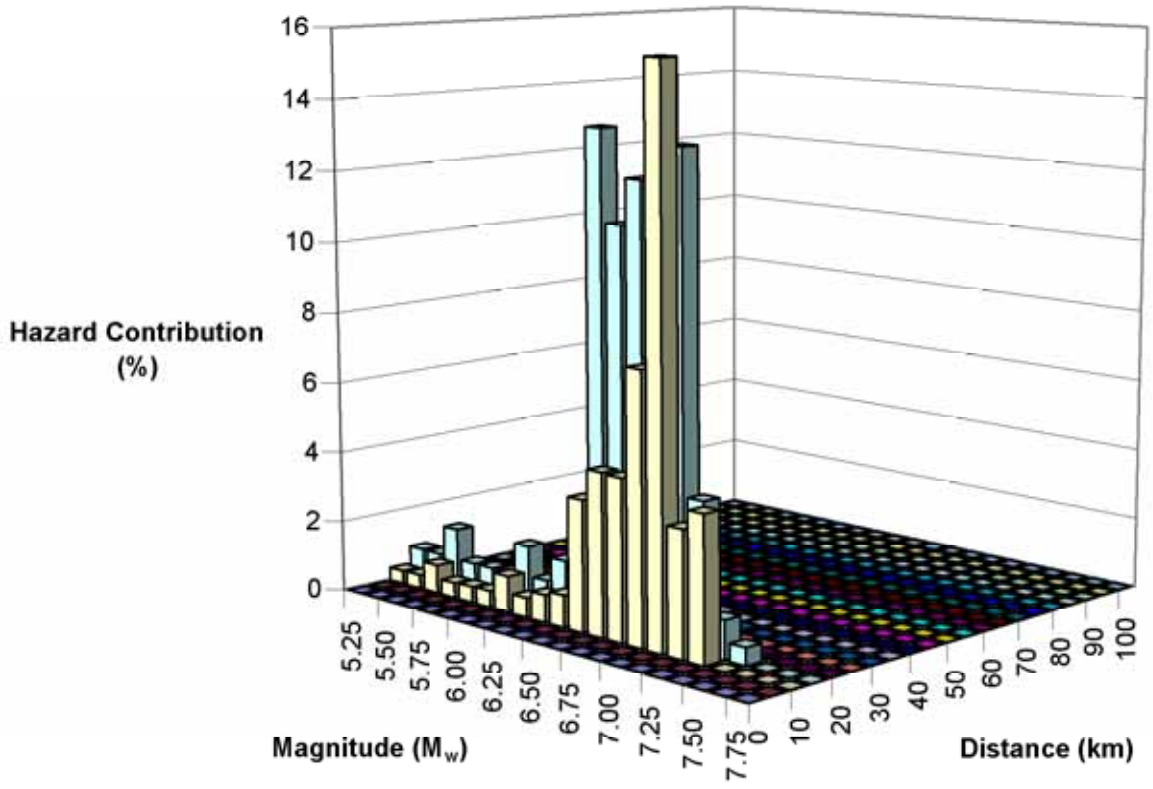
OBE DESIGN RESPONSE SPECTRA
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4f



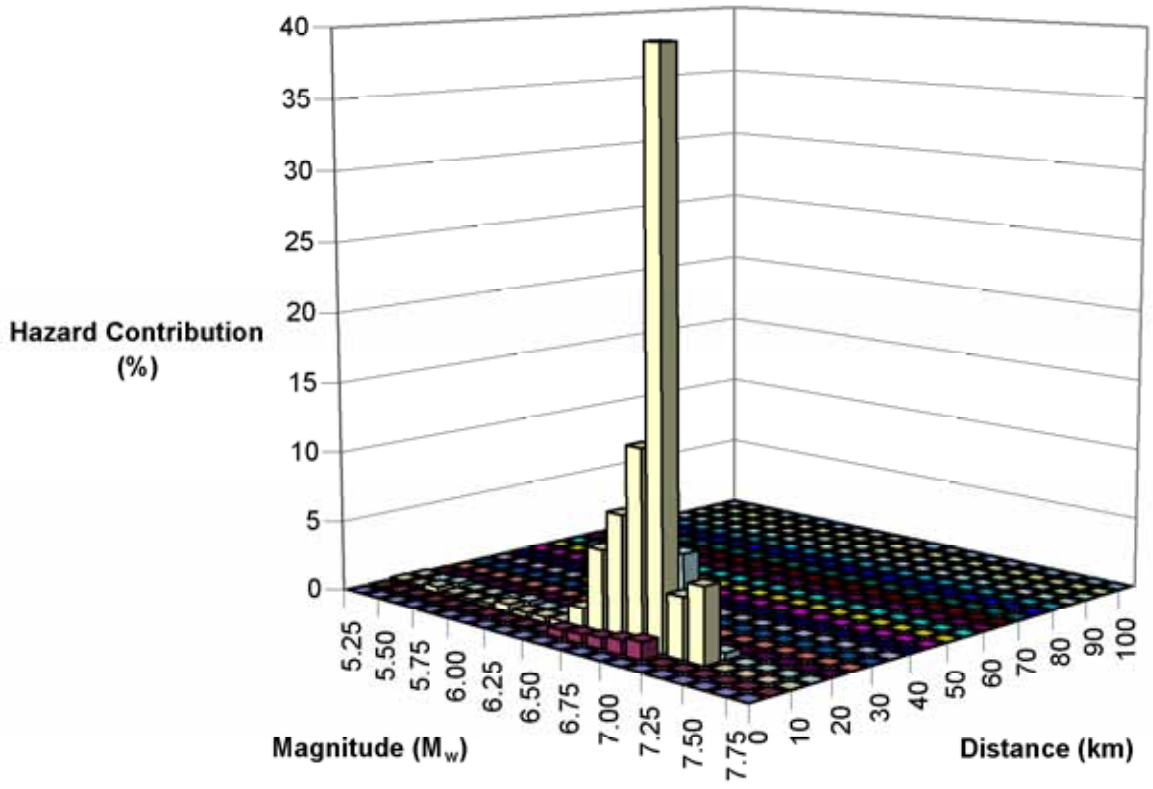
SSE DESIGN RESPONSE SPECTRA
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4g



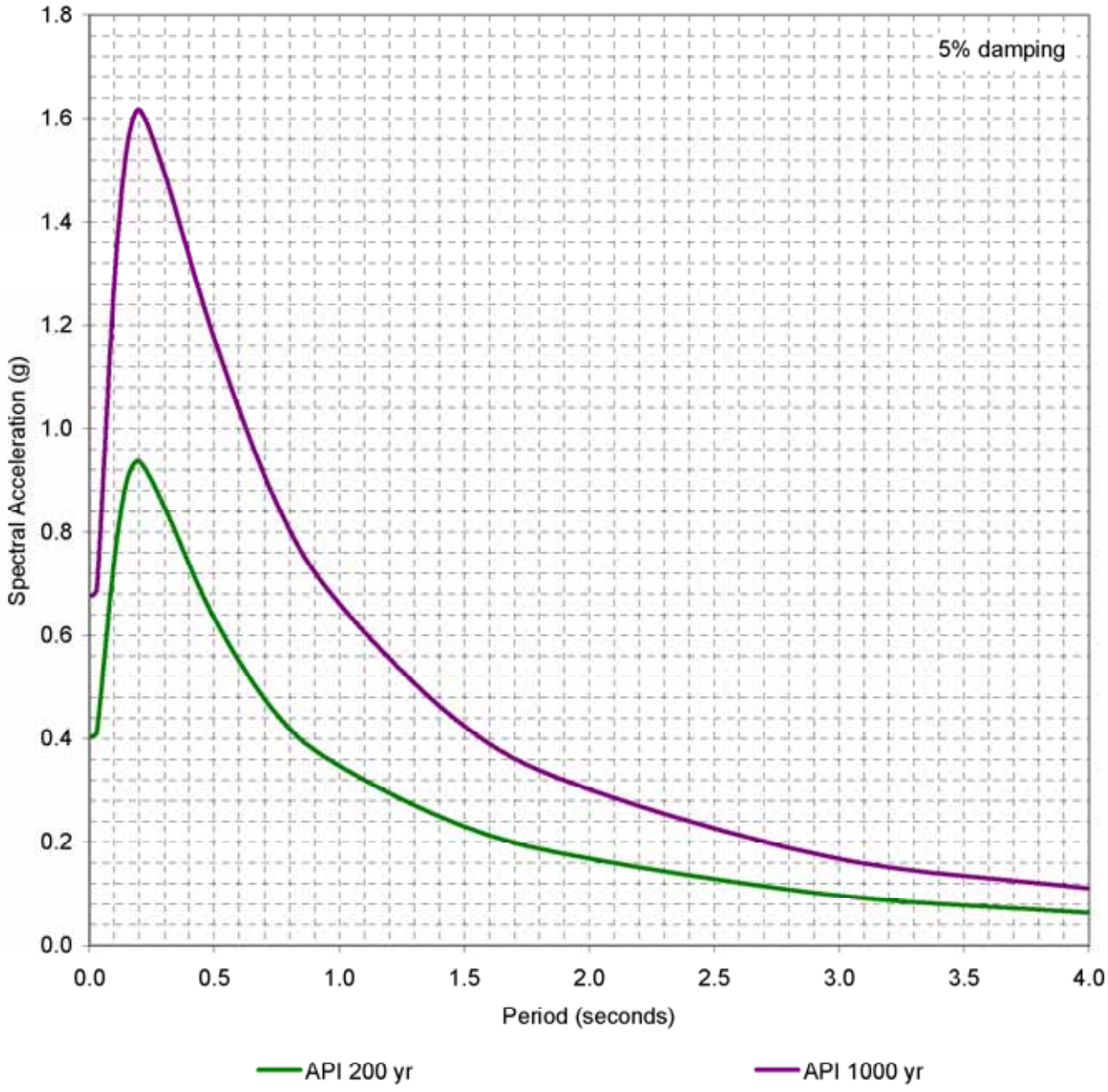
PGA HAZARD DEAGGREGATION FOR OBE
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4h



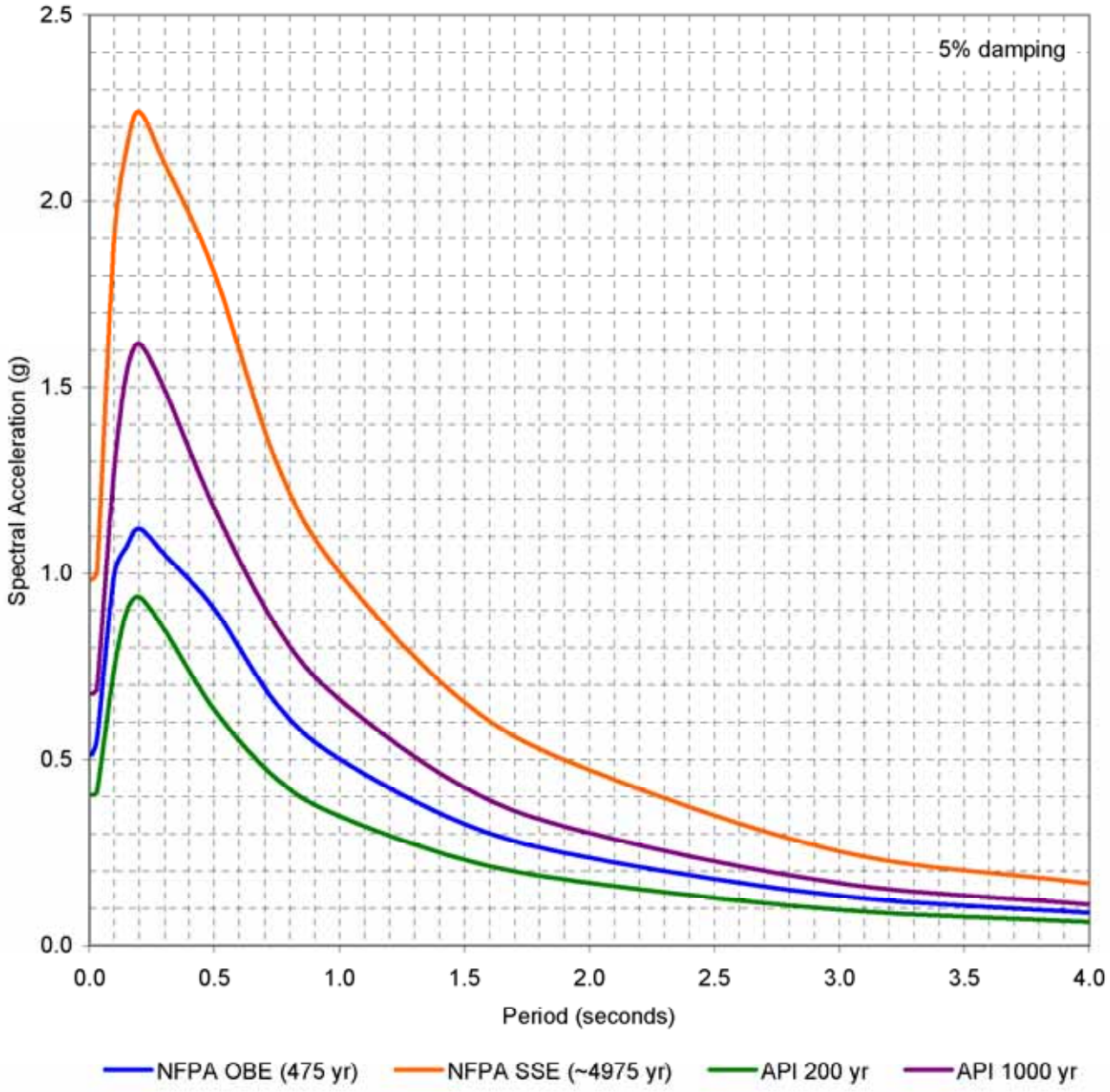
PGA HAZARD DEAGGREGATION FOR SSE
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4i



API DESIGN RESPONSE SPECTRA
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4j



COMPARISON OF NFPA AND API RESPONSE SPECTRA
Onshore Location
Preliminary Seismic and Geologic Hazards Evaluation
BHP Billiton

PLATE 4.4k