

Model Administrative Change Notice

Complete only applicable items.

1. Document Number:	MDL-MGR-GS-000007	2. Revision:	00	3. ACN:	01
4. Title:	Supplemental Earthquake Ground Motion Input for a Geologic Repository at Yucca Mountain, NV				
5. No. of Pages Attached	8				

6. Approvals:					
Preparer:	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border-bottom: 1px solid black;">Ivan Wong <i>Ivan W. Wong</i></td> <td style="width: 40%; border-bottom: 1px solid black; text-align: right;">3/13/08</td> </tr> <tr> <td style="font-size: small;">Print name and sign</td> <td style="text-align: right; font-size: small;">Date</td> </tr> </table>	Ivan Wong <i>Ivan W. Wong</i>	3/13/08	Print name and sign	Date
Ivan Wong <i>Ivan W. Wong</i>	3/13/08				
Print name and sign	Date				
Checker:	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border-bottom: 1px solid black;">Richard Quittmeyer <i>R.C. Quittmeyer</i></td> <td style="width: 40%; border-bottom: 1px solid black; text-align: right;">03/13/2008</td> </tr> <tr> <td style="font-size: small;">Print name and sign</td> <td style="text-align: right; font-size: small;">Date</td> </tr> </table>	Richard Quittmeyer <i>R.C. Quittmeyer</i>	03/13/2008	Print name and sign	Date
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Print name and sign	Date				
QER:	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border-bottom: 1px solid black;">Jerry Heaney <i>Jerry Heaney</i></td> <td style="width: 40%; border-bottom: 1px solid black; text-align: right;">3/13/08</td> </tr> <tr> <td style="font-size: small;">Print name and sign</td> <td style="text-align: right; font-size: small;">Date</td> </tr> </table>	Jerry Heaney <i>Jerry Heaney</i>	3/13/08	Print name and sign	Date
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Print name and sign	Date				
Independent Technical Reviewer:	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border-bottom: 1px solid black;">Richard C. Lee <i>Richard C. Lee</i></td> <td style="width: 40%; border-bottom: 1px solid black; text-align: right;">3/13/08</td> </tr> <tr> <td style="font-size: small;">Print name and sign</td> <td style="text-align: right; font-size: small;">Date</td> </tr> </table>	Richard C. Lee <i>Richard C. Lee</i>	3/13/08	Print name and sign	Date
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Responsible Manager:	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border-bottom: 1px solid black;">James S. Whitcraft <i>[Signature]</i></td> <td style="width: 40%; border-bottom: 1px solid black; text-align: right;">3/13/08</td> </tr> <tr> <td style="font-size: small;">Print name and sign</td> <td style="text-align: right; font-size: small;">Date</td> </tr> </table>	James S. Whitcraft <i>[Signature]</i>	3/13/08	Print name and sign	Date
James S. Whitcraft <i>[Signature]</i>	3/13/08				
Print name and sign	Date				
7. Affected Pages	8. Description of Change:				
6-3	In Figure 6.1-1, added a connector from the "Site-specific Horizontal Ground Motion" box to the "Site-specific 5%-damped Design Spectra" box and adjusted the positions of other connectors as necessary.				
6-142	In Figure 6.4.2-3, revised the X-axis label from "Shear Wave Velocity..." to "Seismic Velocity..." revised caption to "2004 Base Case V_s and V_p Profiles Developed for the RB," and deleted note.				
6-233	In Figure 6.4.2-94, removed the unsmoothed profile for the 2004 Tuff Base Case and reshaped legend box.				
6-261; 6-262	In each of Figures 6.5.1-7 and 6.5.1-8, corrected the right-axis scale to be consistent with the left-axis scale.				
6-312	Replaced the data plot in Figure 6.5.2-34 with the data plot from original Figure 6.5.2-41, and then corrected the right-axis scale to be consistent with the left-axis scale, corrected the top-axis scale to be consistent with the bottom-axis scale, and extended the "Mean-Horizontal" curve to the upper left.				
6-319	Replaced the data plot Figure 6.5.2-41 with the data plot from original Figure 6.5.2-34, and then corrected the right-axis scale to be consistent with the left-axis scale.				
6-320	In Figure 6.5.2-42, corrected the right-axis scale to be consistent with the left-axis scale, and corrected the top-axis scale to be consistent with the bottom-axis scale.				

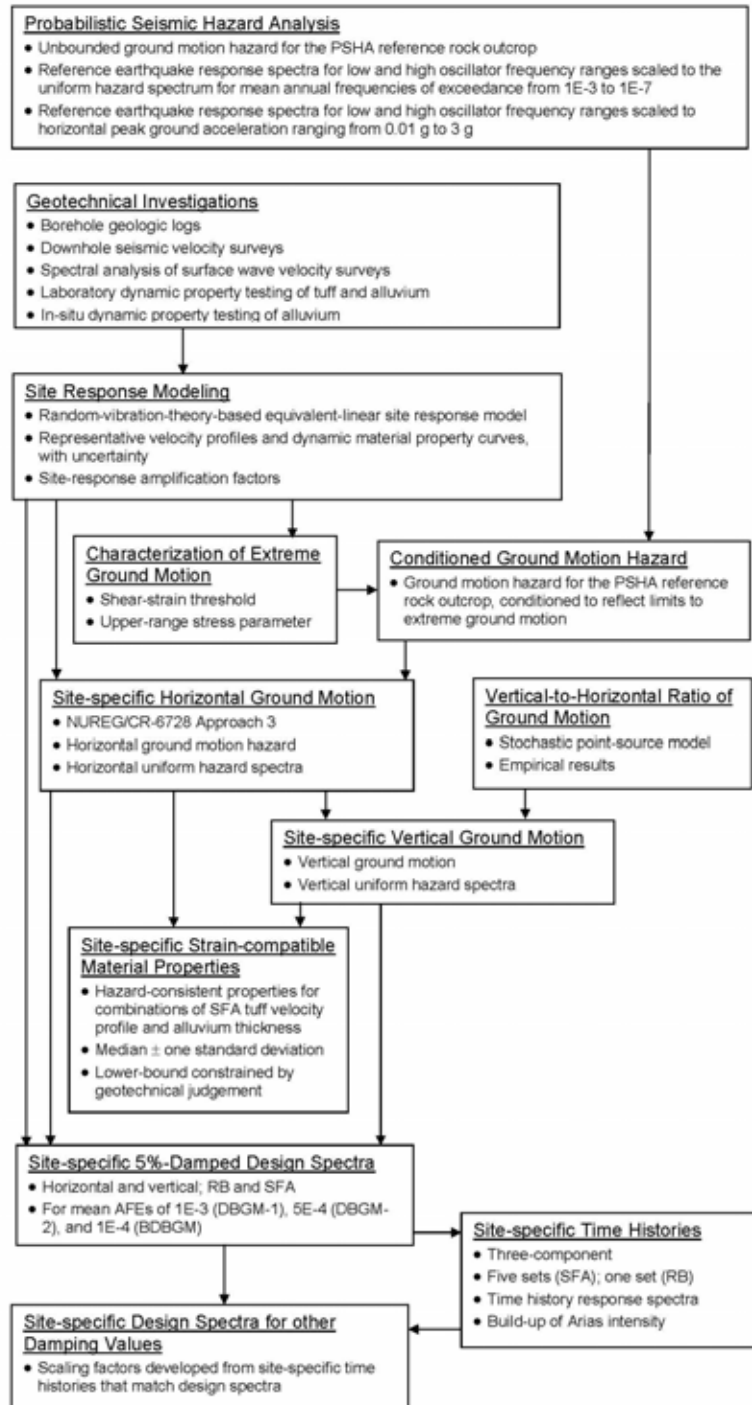
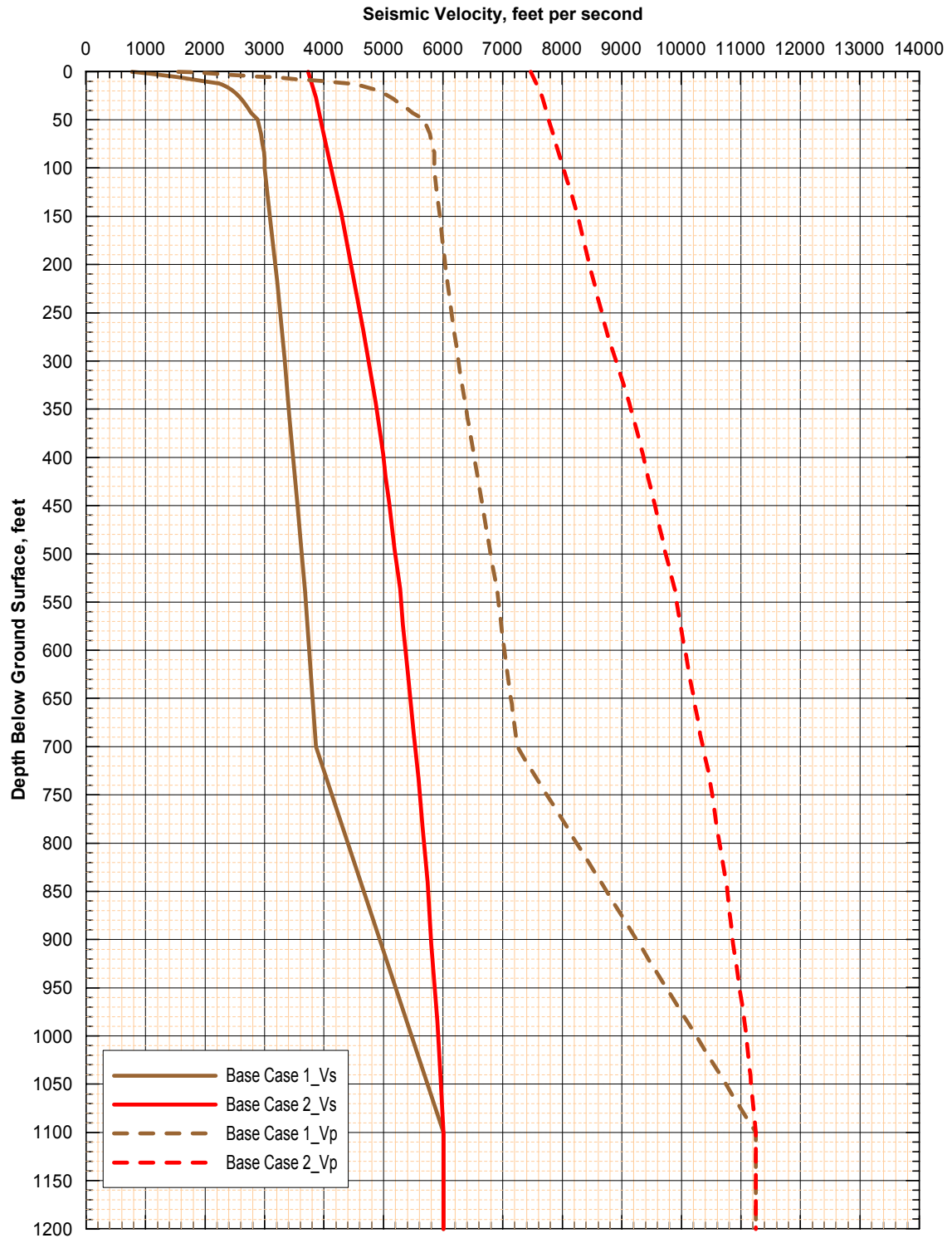
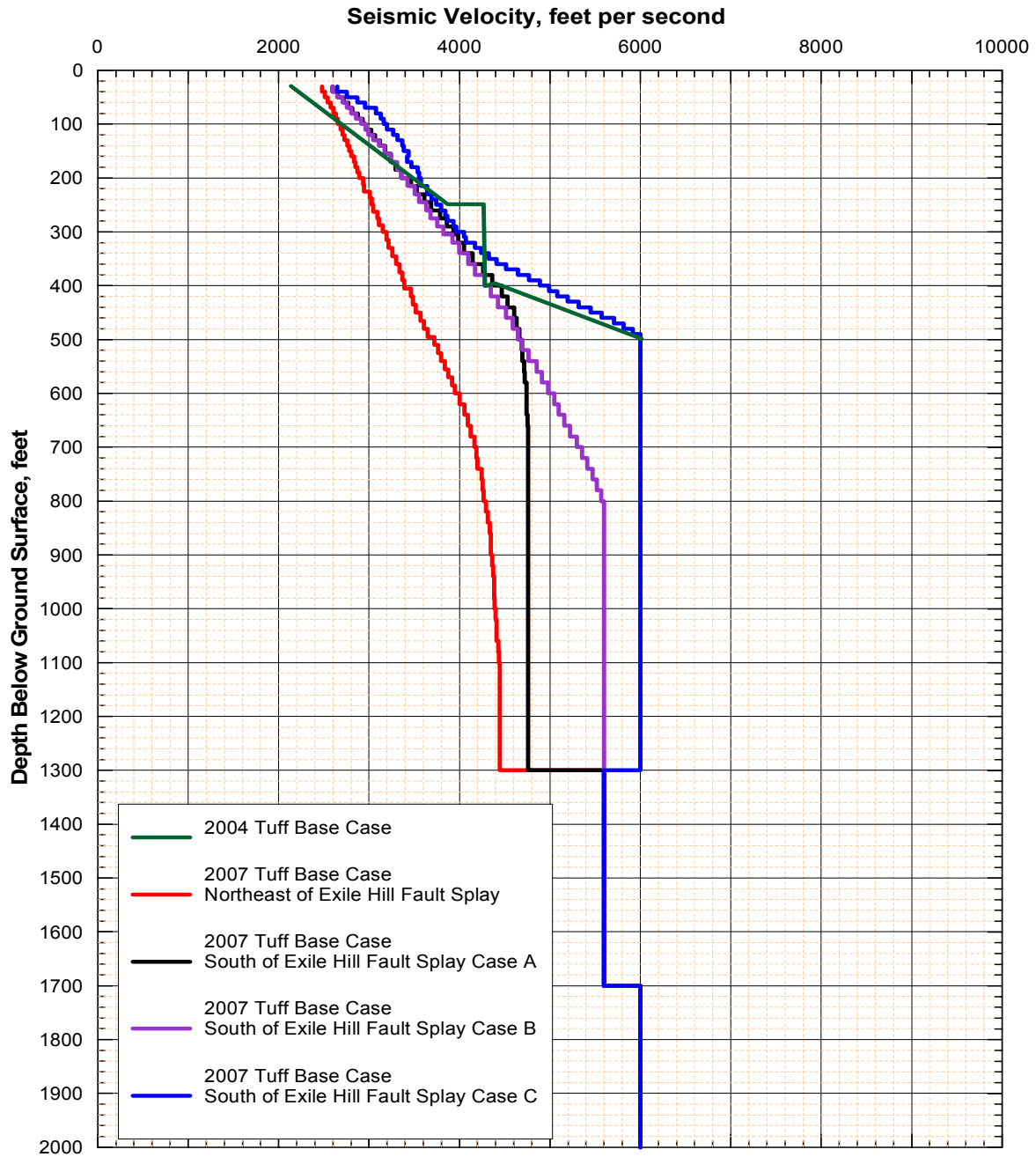


Figure 6.1-1 Flow Diagram for Developing Earthquake Ground Motion Inputs



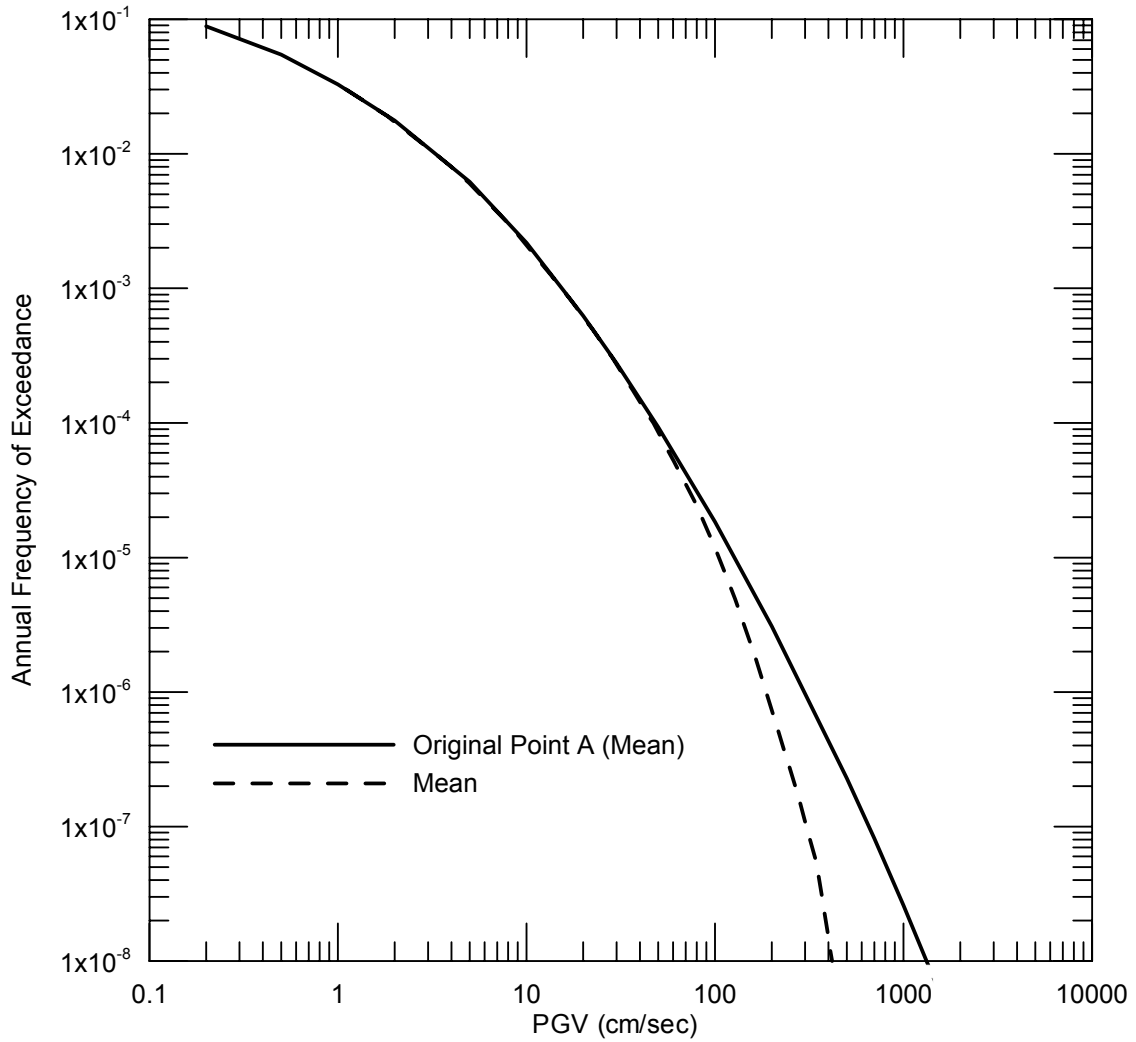
Source: BSC 2004 [DIRS 170027], Figure 6.2-118; Appendix C, Table C-1

Figure 6.4.2-3. 2004 Base Case V_S and V_P Profiles Developed for the RB



Source: Appendix C, Table C-1

Figure 6.4.2-94. Comparison of 2004 and 2007 Smoothed SFA Base Case V_S Profiles for Tuff

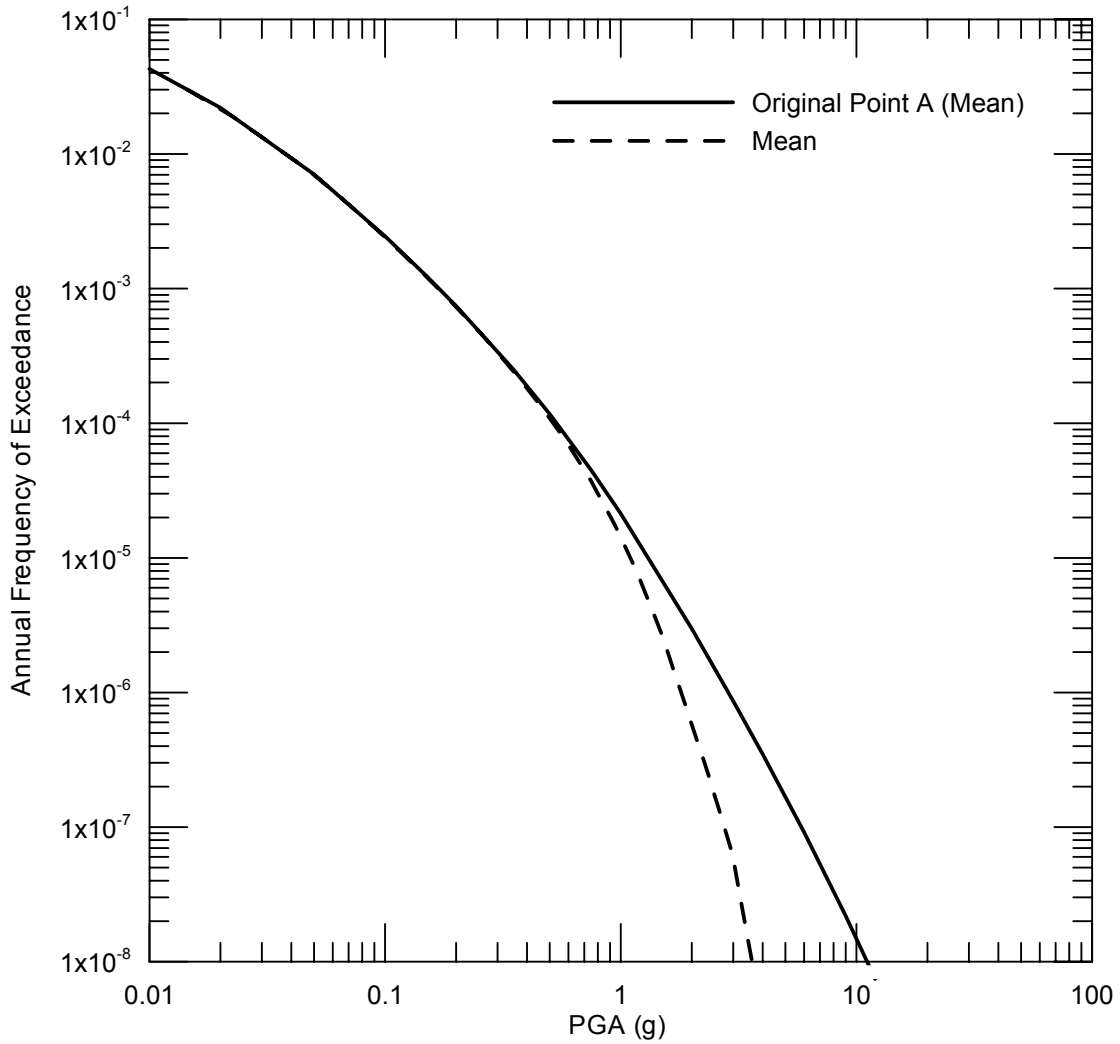


Point A PGV Mean Hazard Curve
versus
Base Conditioned Hazard Curves used in 2007 Analyses

Source: Appendix D, Table D-1

Note: Point A is the PSHA reference rock outcrop used as the control point for site-response modeling.

Figure 6.5.1-7. Conditioned and Unconditioned Reference Rock Outcrop Mean Horizontal PGV Hazard Curves

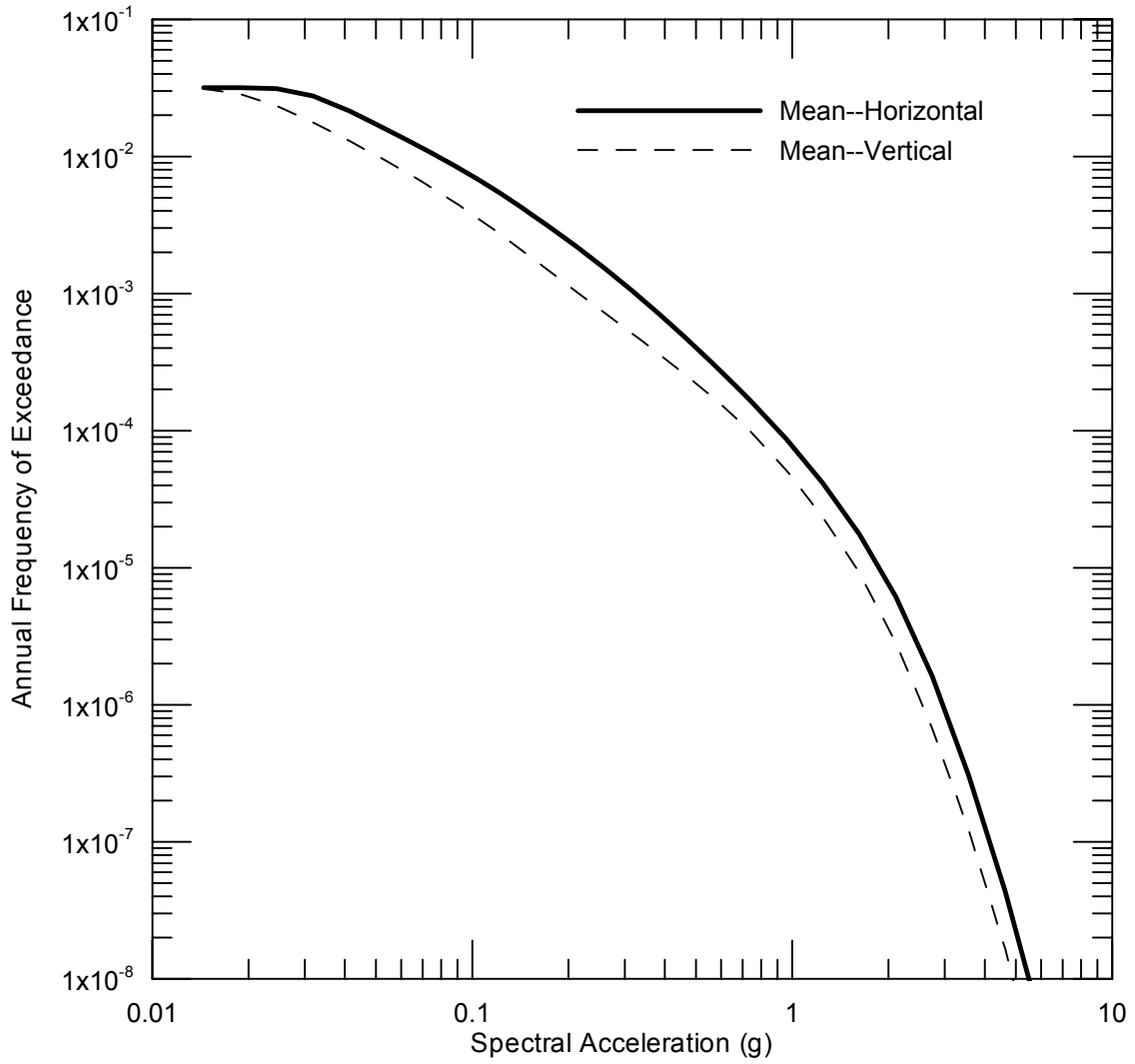


Point A PGA Mean Hazard Curve
versus
Base Conditioned Hazard Curves used in 2007 Analyses

Source: Appendix D, Table D-1

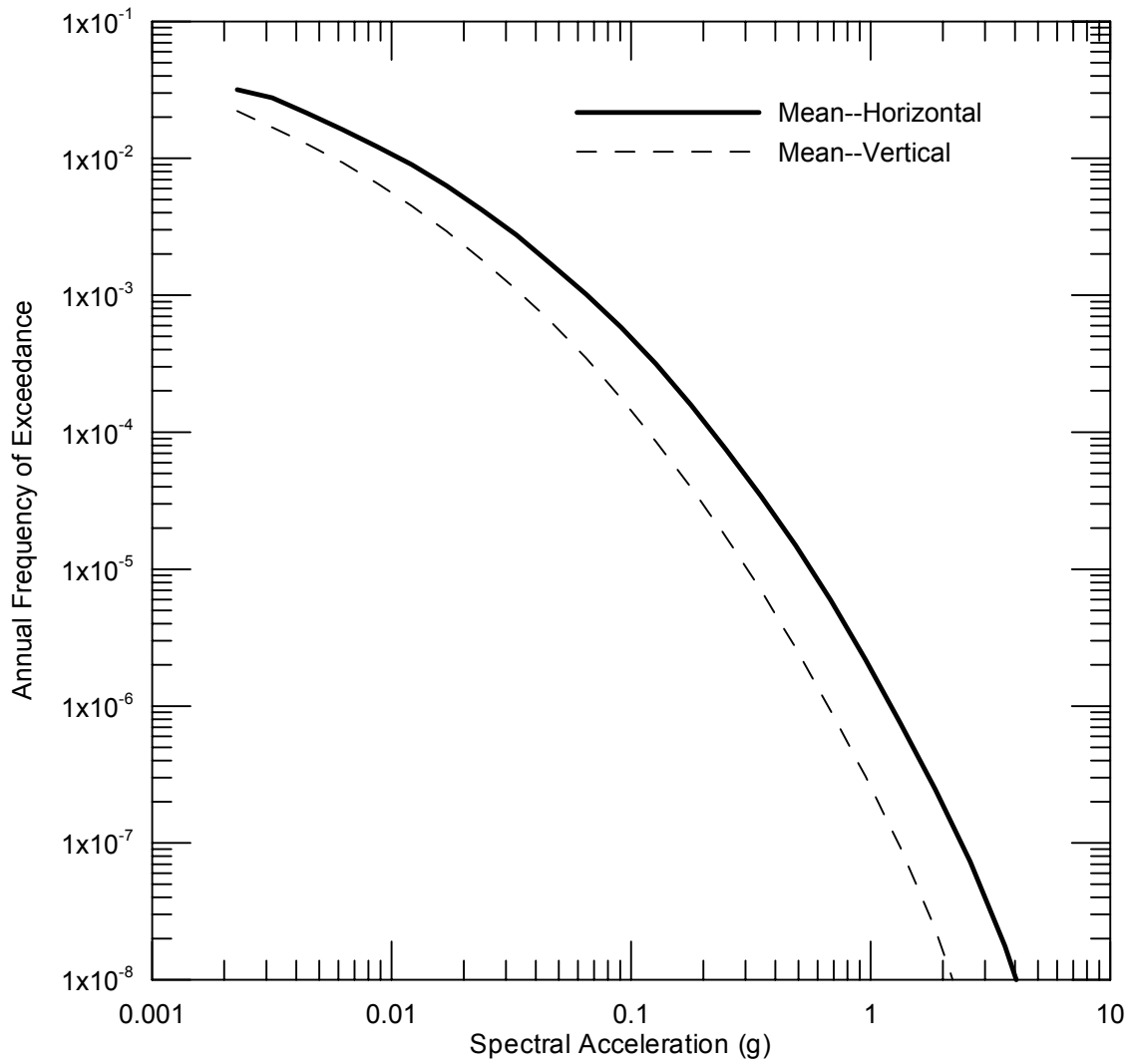
Note: Point A is the PSHA reference rock outcrop used as the control point for site-response modeling.

Figure 6.5.1-8. Conditioned and Unconditioned Reference Rock Outcrop Mean Horizontal PGA Hazard Curves



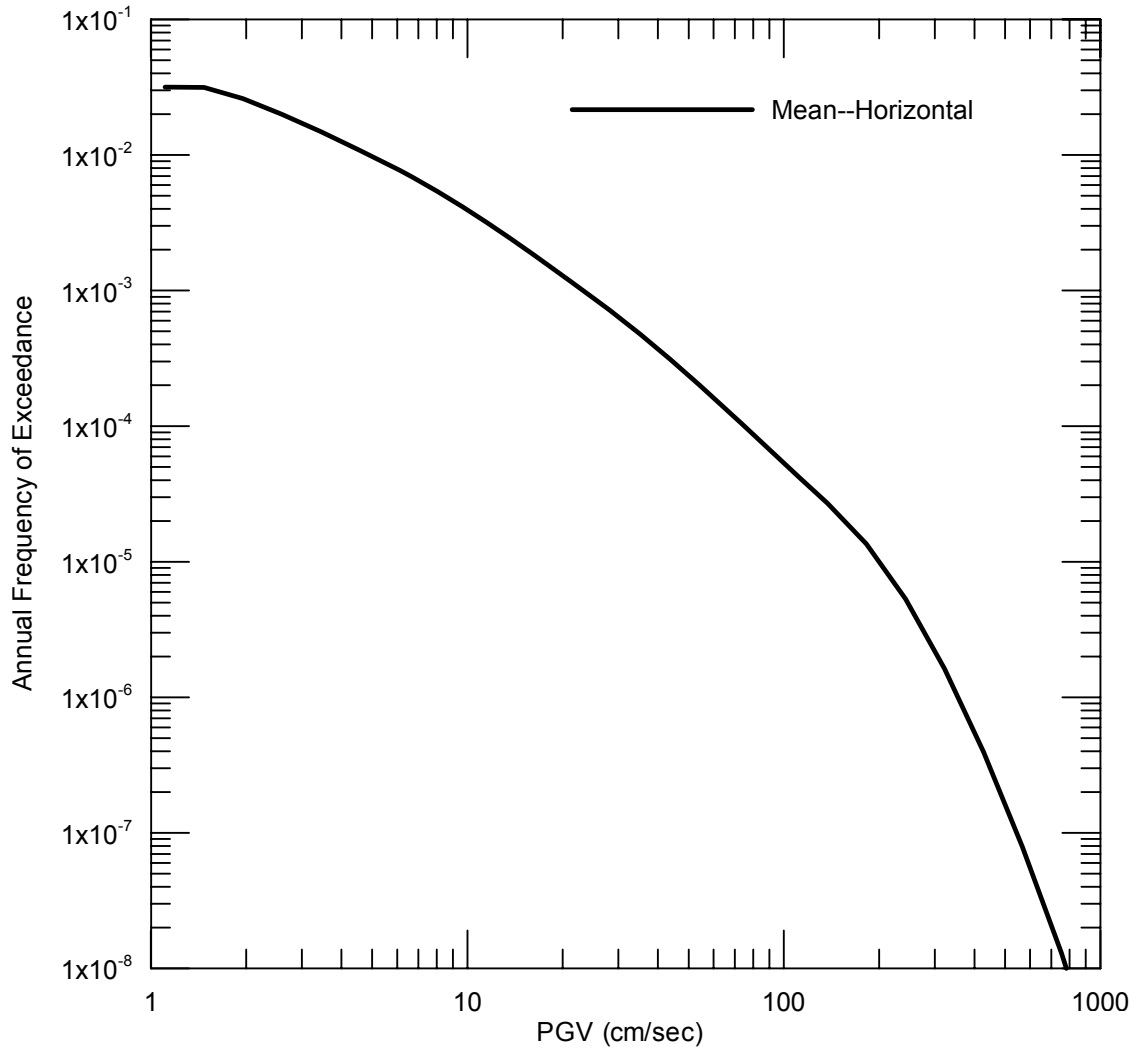
Source: Appendix D, Table D-1; MO0801HCUHSSFA.001 [DIRS 184802]

Figure 6.5.2-34. Mean Horizontal and Vertical Seismic Hazard Curves for PGA at SFA



Source: Appendix D, Table D-1; MO0801HCUHSSFA.001 [DIRS 184802]

Figure 6.5.2-41. Mean Horizontal and Vertical Seismic Hazard Curves for 3.3 Sec SA at SFA



Source: Appendix D, Table D-1; MO0801HCUHSSFA.001 [DIRS 184802]

Figure 6.5.2-42. Mean Horizontal Seismic Hazard Curve for PGV at SFA