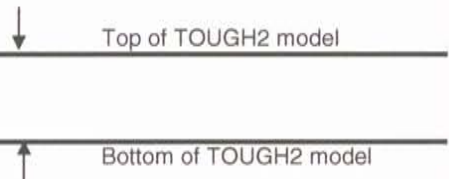
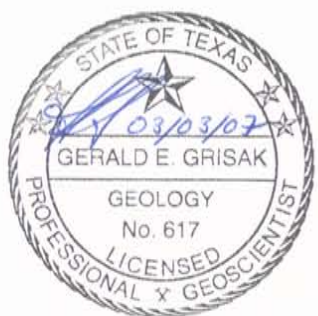


**Schematic geologic and cover column for Federal Facility landfill**

<b>Federal Facility Landfill</b>		Elevation (ft)	Depth (ft)	Elevation (m)	Depth (m)	
ground surface		3472	0	1058.27	0	
biointrusion barrier & ET cover		7	3465			
nonselect red bed cover material						
		3455	17	1053.08	5.18	
Geocomposite/60 mil HDPE	↓ drainage layer	2	3453	19	1052.47	5.79
performance cover-compacted clay		3	3450	22	1051.56	6.71
nonselect red bed						
		10	3440	32	1048.51	9.75
(Landfilled Material)						
dual HDPE liner and leachate collection system						
		3				
(compacted clay liner) bottom of Federal Facility landfill		3	3363	109	1025.04	33.22
sandstone (125 zone)			3350.8	121.2	1021.32	36.94
water table (potentiometric surface of 225 zone) ↓			3302	170	1006.45	51.82
sandstone (180 zone)			3290	182	1002.79	55.47
red beds (claystone)			3236	236	986.33	71.93
sandstone (225 zone)			3219	253	981.15	77.11



Cover design from Application Section 3, Appendix 3.10, Figure 3.10-2 & drawings C0.3, C2.1  
 Bottom of landfill @ 3363 from Application Appendix 8.0-6, Section 8.0-6.8, Table 8.0-6.8-1  
 Top of waste cell @ 3440 from Application Appendix 8.0-6, Section 8.0-6.8, Table 8.0-6.6-1  
 Geology below landfill based on logs of B-48, B-39, B-17 and B-30 on Cross section D-D", Figure 5-7  
 Elevation of water table and potentiometric surface of 225-zone estimated from moisture content data



Date: 03/16/07 File: WCS_Fig6-7.ppt		Schematic Geologic Column Modeled with TOUGH2
 INTERA INCORPORATED 9111A Research Blvd. Austin, Texas 78758		
 COOK-JOYCE INC. ENGINEERING AND CONSULTING 812 WEST ELEVENTH AUSTIN, TEXAS 78701-2000 (512) 474-9097 FAX (512) 474-8483		Figure 6-7