

writer can consult that document, which contains much of the information summarized in Table 5.4 and Table 5.5 on the following pages.

5.4 Air References

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5.5 Groundwater References

California Department of Health Services. 1990. *Technical Standards for the Mathematical Modeling of Ground Water Flow and Contaminant Transport at Hazardous Waste Sites*. Department of Health Services. Toxic Substances Control Program. July.

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**TABLE 5.4
REPRESENTATIVE GROUNDWATER FLOW MODELS**

Flow Model	Saturated Zone		Unsaturated Zone	Pathlines/Capture Zones
	Analytical	Numerical	Numerical	Numerical
GWFLOW	●			
THWELLS	●			
WHPA	●	●		●
FLOWPATH		●		●
MODFLOW		●		
PLASM		●		
SUTRA		●	●	
HYDRUS			●	
MODPATH				●

**TABLE 5.5
REPRESENTATIVE SOLUTE TRANSPORT MODELS**

Solute Transport Model	Saturated Zone		Unsaturated Zone	Fracture Flow
	Analytical	Numerical	Numerical	Numerical
PLUME	●			
PLUME 2D	●			
SOLUTE	●			
BIOPLUME II		●		
FTWORK		●		
MOC		●		
MT3D		●		
RANDOMWALK		●		
SUTRA		●	●	
CHEMFLO			●	
VLEACH			●	
GREASE				●
NETFLO				●

EPA. 2001. *Handbook of Groundwater Protection and Cleanup Policies for RCRA Corrective Action*. Office of Solid Waste and Emergency Response. EPA/530/R-01/015. September