

Table A-7. Typical Groundwater Velocities for Important Hydrogeologic Units on Savannah River Plant^a

Hydrogeologic unit	Test area	Groundwater velocity (m/yr)	
		Vertical	Horizontal
Unsaturated zone material	--	0.9-2.1	-- 4
Barnwell Formation	--	--	0.7-21.0
	BG ^b	2.1	3.0
	A/M	--	0.34-3.4
McBean Formation	F/H	--	3.8 (sand)
	F/H	--	2.2 (calcareous zone)
	F	--	22-56 (sand)
	H	--	111 (sand)
McBean and Congaree Formations	A/M	--	6.1
Congaree Formation	F/H	--	13.4
	F	--	5.15
Ellenton Formation			
Cretaceous Sediments Aquifer	--	--	54.9

^aSources: Haskell and Hawkins, 1964; Du Pont, 1983, 1985a; Hubbard and Emslie, 1984; Siple, 1967. Hydrogeologic unit terminology largely after Siple, 1967 (see Figure A-2).

^bRadioactive waste burial ground.