

Table A20-2b *Estimated Cost for Vapor Mitigation
FS Group A20-2 (Residential Use)
Sites 7D and FCS
Perimeter Groundwater Operable Unit RI/FS
Aerojet Superfund Site
Sacramento County, California*

DESCRIPTION	QUANTITY		COST	
	NUMBER	UNIT	UNIT COST	TOTAL COST
DIRECT CAPITAL COST				
<u>Vapor Barriers^{1,2}</u>				
<u>Site 7D & FCS</u>				
Site 7D: Vapor Barrier - Residential Development	1,620	sq. ft.	\$0.50	\$810
Site 7D: Subslab Venting System	1,620	sq. ft.	\$0.15	\$243
FCS: Vapor Barrier - Residential Development	59,400	sq. ft.	\$0.50	\$29,700
FCS: Subslab Venting System	59,400	sq. ft.	\$0.15	\$8,910
			General Contingency (10% of Capital Costs)	\$4,000
			TOTAL ESTIMATED CAPITAL COST FOR VAPOR BARRIERS	\$44,000

Notes and Key:

FCS = Former company store

LS = Lump sum

sq. ft. = Square feet

¹Assumptions for areas requiring suitable vapor mitigation measures:

Residential Development - Assumes 40% building and 60% green belt/streets/parking

7D Area of Impact (square feet): 4,050

FCS Area of Impact (square feet): 148,500

Total square feet: **152,550**

²Assumptions for cost of soil vapor barriers

Estimated cost of vapor barrier: It is assumed that for any future residential or commercial development that would require vapor intrusion controls, the developer would install a moisture barrier with taped seams as part of any new construction as specified in requirements made on current development plans undergoing California Environmental Quality Act (CEQA) review. The costs of the materials and installation for the moisture barrier would be borne by the developer.

It is further assumed that the only difference between a moisture barrier and a vapor barrier is that seals/taping be provided around any utility penetrations (e.g., plumbing piping) of the moisture barrier. Based on a verbal quotation from Regenesys, estimated costs to install moisture barriers under residential and commercial scenarios are \$3.00 and \$2.50 per square foot, respectively. For purposes of estimating costs for this FS, it is assumed that the incremental materials and labor costs for sealing/taping utility penetrations are \$0.50 and \$0.30 per square foot, respectively, for residential and commercial risk scenarios.