Conceptual Site Model: Fairchild Semiconductor Corporation

Potential Human Receptors

Source of Contamination/Primary Source	Known or Potential Contamination**	Release/transport Mechanisms	Exposure Media	Exposure Routes	FairChild Employees, Contractors	Trespassors	Nearby Residents		Shoppers*
				contaminated soil	contractors		Adults	Children	
Fairchild Semiconductor Corporation: Fractured Pipeline	1,1-DCA 1,2-DCA 1,1-DCE cisc-1,2-DCE Isopropanol TCE Vinyl Chloride 1,4-Dioxane	migration into surrounding soil	Surface soil	aerosolized, picked up on hgestion / inhalation onto body dermal	X	Х	Х	х	х
			Groundwater	ingested through drinking wellwater, contaminates	х	Х	X	х	х
		groundwater		factory/households					
			Air	dermal inhalation	X	Х	Х	Х	Х

^{*} site currently a shopping center

^{**} above EPA tapwater (ug/L) regional screening levels