	Kaisan's Dranged Cleanus Alternatives Figure 2			
	Kaiser's Proposed Cleanup Alternatives Figure 3			
NOTE:				
An X indicates the category,	Cleanup Categories and Associated Contaminants			
contaminants, and cleanup	Near Surface Soil	Deep Vadose Zone Soil	Petroleum Hydrocarbon Groundwater	Remelt/Hot Line PCB Groundwater
technologies for the specific	Tien surface son	Deep vadose Zone Son	Plumes and Associated Smear Zone Soil	Plume and Associated Smear Zone Soil
geographic area at the site.	Top 20 feet of soil	Begins at a depth of 20 feet and goes down to	Tunics and Associated Sinear Zone Son	Tunic and Associated Sinear Zone Son
For example, in the Oil House Area	[VOCs, SVOCs, PCBs, and metals e.g.,	the smear zone - near the water table (which	Located at a depth varying from 33 to 68 feet	Located at depths varying from 33 to 68 feet
three categories exist and all	lead, arsenic]	varies from 33 to 68 feet deep).	below the ground. [Contaminants: free phase	below the ground. [Contaminants: PCBs]
technologies for each category will be		[Contaminants: VOCs, SVOCs, PCBs	petroleum product in contact with groundwater;	
used.		comingled w SVOCs, and metals e.g.,	PCBs comingled with SVOCs]	
	▼	chromium and arsenic]	-	
Technologies to treat	**Institutional Controls, Monitoring,	**Institutional Controls, Monitoring,	**Institutional Controls, Monitoring, Monitored	**Institutional Controls, Monitoring, Monitored
contaminants within	Monitored Natural Attenuation and	Monitored Natural Attenuation and	Natural Attenuation, Operation of Existing Interim	Natural Attenuation, Groundwater Containment
containmants within	Containment; excavation and off-site	Containment; Containment on non-comingled	Remedial Measures System and Enhanced	
each category -	disposal for SVOCs, PCBs and Metals	PCBs	removal of free phase petroleum product	
Specific Geographic Cleanup Areas				
Oil House Area	X	X	X	
Wastewater Treatment Area	X	X	X	
Oil Reclamation Building				
Area	X	X	X	
Remelt/Hotline Area	X	X		X
Cold Mill/Finishing Area	X	X	X	
	v	**		
Truck Stop Area	X	X		
Former Rail Car Unloading				
Area	X	X		
Former Discharge Ravines	X			

^{**}For details about each proposed technology, please see page 4 of the fact sheet.

PCBs (Polychlorinated Biphenyls)

A group of manufactured chemicals historically used as insulating fluids or coolants and lubricants in transformers, capacitors or other electrical equipment. They also have been used in hydraulic oils, fluorescent lights, inks, carbonless paper and other uses. The U.S. stopped manufacturing PCBs in 1977 because of evidence they accumulate or build up in the environment and may have harmful health effects. Humans may be exposed to PCBs from the Spokane River by eating fish caught from certain locations of the river.

Plume

A mass of contamination underground mixed with groundwater.

VOCs (Volatile Organic Compounds)

A group of chemicals containing organic carbon that readily evaporate, changing from liquids to gases when exposed to air. VOCs at Kaiser are mainly gasoline range hydrocarbons.

SVOCs (Semi-Volatile Organic Compounds) Less volatile hydrocarbons. SVOCs at Kaiser are mainly diesel, Kensol and heavy oil.