



RECEIVED AT WE MEETING ON SEP 3 0 2015

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Contamination : Treatment Monitoring Alternate water supplies	GAC or Air Stripping at 32 Sites	32 Sites Median	32 Sites Average
	Average volume of groundwater treated per year (1,000 gal)	30,000	120,000
	Total capital cost	\$2,000,000	\$4,900,000
Litigation	Average operating cost/year	\$260,000	\$770,000
Prevention: Simpler	Capital cost per volume of treated groundwater/ year (\$/1,000 gal)	\$78	\$280
	Average annual operating cost per volume of treated groundwater/year (\$/1,000 gal)	\$16	\$32
More reliable over long te	(Cost Analyses for Selected Gro Pump and Treat Systems and Pe	undwater Clean ermeable Reactiv	up Projects: ve Barriers, EP
1. Delineate wellh	ead protection areas		
2. Inventory poter	ntial contaminating activities		











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Community and Board of Water Supply Concerns

1. Delineation/groundwater model not acceptable level/single peer review	1. USGS modeling codes, among the most widely reviewed codes available to simulate groundwater flow and define well capture zones. EPA contracted peer review	
2. Impact on property values	Programs not shown to deflate property values or interfere with business and economic development in a community	
3. Legal challenges/Takings	3. Overlay zoning to protect groundwater a well accepted method. Delineation defensible	
4. Cost to community/customers	4. Grant funded program development. Existing staff absorb permit administration	
5. No justifiable need/no historical examples showing failures of current regulations	 5. "More groundwater specific protection is needed to address gaps" - State Director of Health Kunia, Superfund site (10's of \$M) Red Hill Sand Island 	
6. What about new wells?	6. This bill will not impact siting of new wells	

