

Design Alternatives	Concentration Objectives	Design Details				RDX Remediation			Perchlorate Remediation		
		Number of Extraction Wells	Total Pumping Rate (gpm)	Number of Injection Wells	Estimated Cost (millions)	Years to Achieve RBC	Years to Achieve Background	% of Mass Removed After 10 Years	Years to Achieve RBC	Years to Achieve Background	% of Mass Removed After 10 Years
Alternative 1 Minimal Action	--	0	0	0	\$ 2.9	>100	>100	17.0	>100	>100	34.0
Alternative 2 Baseline	--	2	320	3	\$15.0	36	50	67.5	25	35/>50*	80.2
Alternative 3 Background	Background	4	472	4	\$20.3	23	27	92.7	18	23/21*	92.7
Alternative 4 10 Year	Risk-based	5	1,417	4	\$25.7	10.7	15	99.7	10	15	98.3
Alternative 5 Additional Alternative A	Risk-based	5	906	4	\$21.1	14	16	98.8	13	15/20*	98.3
Alternative 6 Additional Alternative B	Background	6	981	4	\$26.6	14	16	99.0	13	15/17*	97.9

**Upgradient/downgradient of Pew Road

RBC = Risk-based concentrations (RDX = 0.6 ppb, TNT = 2 ppb, Perchlorate = 1 ppb)

Background or naturally occurring concentrations are less than or equal to detectable concentrations (RDX = 0.25, TNT = 0.25, Perchlorate = 0.35)

gpm = gallons per minute

Notes:

All percentages reflect cumulative mass removed including 4 years of operation of the Rapid Response Action system prior to start of selected alternative.

All estimates of years to achieve either risk-based or background concentrations are based on groundwater modeling performed during the completion of this feasibility study.