

Table A-6.B. Evaluation factors for water flooding (including hot water flooding)

Remedial time frame	Concern	Moderate
	Discussion	Short to medium. Use of hot water reduces the required time for remediation.
Safety	Concern	Moderate to high
	Discussion	Water-handling equipment to inject, extract, and treat; water-heating equipment, if used, has additional risks.
Waste management	Concern	Moderate
	Discussion	Need to recycle or dispose of LNAPL and potentially treat water source prior to injection.
Community concerns	Concern	Low to moderate
	Discussion	Concerns with noise, potential odors, aesthetics, and volatile emissions. Potentially significant equipment requirements on site.
Carbon footprint/energy requirements	Concern	Moderate
	Discussion	Equipment to inject and extract groundwater. Water-heating equipment, if used, increases energy use.
Site restrictions	Concern	Moderate to high
	Discussion	Potentially significant equipment requirements on site.
LNAPL body size	Concern	Moderate
	Discussion	Applicable to any size of LNAPL zone; size can be scaled.
Other regulations	Concern	Moderate
	Discussion	May need a permit to reinject groundwater.
Cost	Concern	High
	Discussion	Continuous injection and circulation of water, high operation and maintenance costs, heating the water prior to reinjection further increase cost over a relatively short time period.
Other	Concern	
	Discussion	