

**Table 5-13
Comparative Analysis of Groundwater Alternatives**

EVALUATION CRITERIA	ALTERNATIVE GW-1	ALTERNATIVE GW -2	ALTERNATIVE GW -3
Protection of Human Health and the Environment	High	High	High
Attain Groundwater Cleanup	Low (1)	Medium(1)	Medium (2)
Control Sources of Releases	N/A	N/A	N/A
Comply with applicable Standards	Low(1)	Medium(1)	Medium
Long-Term Reliability and Effectiveness	Low(1)	High(1)	Medium
Reduction of Toxicity, Mobility, or Volume of Wastes	Medium	Medium	Medium
Short-Term Effectiveness	High	High	Medium
Implementability	High	High	Medium
Present Worth Cost	\$89,433	\$1,072,775	\$60,718,040
Overall	Medium/Low	Medium/High	Medium

Notes:

Alternative GW-1: No Further Action/Institutional Controls

Alternative GW-2: Long-Term Monitoring/Institutional Controls

Alternative GW-3: Groundwater Extraction and Treatment/Institutional Controls

Low/Medium/High Designation: Relative degree to which each evaluation criteria is achieved

N/A: Not Applicable, source control is addressed through soil remediation alternatives.

(1) GW-1 and GW-2 both rely on natural attenuation mechanisms to achieve groundwater clean-up objectives. GW-2 has been ranked higher than GW-1 for some criteria due to the ability to assess progress towards attaining clean-up goals and ability to monitor effectiveness and reliability through a groundwater monitoring program included in alternative GW-2. GW-1 also does not comply with the requirement to conduct groundwater monitoring.

(2) GW-3 may not attain groundwater cleanup sooner than GW-2 due to technical uncertainties associated with GW-3 (see Section 5.3.5).