

**Table 5-1
Detailed Analysis of Soil Alternatives**

EVALUATION CRITERIA	ALTERNATIVE SOIL-1	ALTERNATIVE SOIL -2
Protection of Human Health and the Environment	Soil contamination remains in subsurface soils, but human health is protected via institutional controls	Combination of soil removal and institutional controls for groundwater will protect human health and the environment.
Attain Soil Cleanup	No action alternative does not attain soil cleanup goals	Soil cleanup goals will be attained via soil removal
Control Sources of Releases	No action alternative does not control source of releases	Source control will be achieved via soil removal.
Comply with applicable Standards for Waste Management	No action does not generate waste	All appropriate regulations, standards, and permitting requirements for soil removal and offsite disposal will be followed.
Long-Term Reliability and Effectiveness	Use of institutional controls will ensure long-term reliability and effectiveness, but presence of petroleum-contaminated subsurface soils will continue to degrade groundwater quality.	Source removal will achieve long-term effectiveness and ensure achievement of cleanup goals for soils.
Reduction of Toxicity, Mobility, or Volume of Wastes	None except for natural degradation.	Source removal will reduce volume of wastes, and toxicity of excavated soils.
Short-Term Effectiveness	Not Applicable because remedial actions are not included in this alternative.	Short-term effectiveness will be ensured by compliance to health and safety plan associated with soil removal. Due to large amount of soil removal, removal activities will be conducted for extended period of time.
Implementability	Alternative is readily implementable, but does require deed restrictions to support institutional controls.	Soil removal is readily implementable as necessary equipment is currently available at the Site.
Cost (30 year present worth value)	\$89,433	\$28,680,996