

Table 6-9  
Summary of Remedial Construction Cost Estimates for Soil  
Rolling Knolls Landfill Superfund Site - Feasibility Study  
Chatham, New Jersey

Component	Alternative No. 1 No Action	Alternative No. 2 Site Controls	Alternative No. 3a Site Controls, Capping of Selected Area to Reduce Overall Risk, Remediation (Consolidation Under Selected Area Cap) of Areas of Particular Concern, and Remediation of Non-Vegetated Areas with Soil Sample Results Above Remediation Goals	Alternative No. 3b Site Controls, Capping of Selected Area to Reduce Overall Risk, and Remediation (Cap In-Place) of Areas of Particular Concern, and Remediation of Non-Vegetated Areas with Soil Sample Results Above Remediation Goals	Alternative No. 3c Site Controls, Capping of Selected Area to Reduce Overall Risk, Remediation (Offsite Disposal) of Areas of Particular Concern, and Remediation of Non-Vegetated Areas with Soil Sample Results Above Remediation Goals	Alternative No. 4a Site Controls, Excavation and Off-Site Disposal of Selected Area to Reduce Overall Risk, Remediation (Cap In-Place) of Areas of Particular Concern, and Remediation of Non-Vegetated Areas with Soil Sample Results Above Remediation Goals		Alternative No. 4b Site Controls, Excavation and Off-Site Disposal of Selected Area to Reduce Overall Risk, Remediation (Offsite Disposal) of Areas of Particular Concern, and Remediation of Non-Vegetated Areas with Soil Sample Results Above Remediation Goals		Alternative No. 5 Site Controls and Capping of All Landfill Material
						Option 1 - 2ft Excavation in Selected Area	Option 2 - 4ft Excavation in Selected Area	Option 1 - 2ft Excavation in Selected Area	Option 2 - 4ft Excavation in Selected Area	
Design/Construction Oversight/Permits	\$0	\$ 69,200	\$ 2,057,600	\$ 2,233,300	\$ 2,712,800	\$ 2,747,200	\$ 4,849,800	\$ 3,025,600	\$ 5,128,200	\$ 5,037,200
Construction Preparation	\$0	\$ 14,100	\$ 215,800	\$ 234,300	\$ 284,500	\$ 175,600	\$ 310,000	\$ 193,400	\$ 327,700	\$ 415,600
General Construction and Site Management	\$0	\$ 219,500	\$ 2,159,200	\$ 2,159,200	\$ 2,159,200	\$ 2,305,200	\$ 2,305,200	\$ 2,305,200	\$ 2,305,200	\$ 2,493,200
Areas of Particular Concern (APCs)	\$0	\$0	\$2,569,400	\$3,728,500	\$ 6,821,100	\$ 3,728,500	\$ 3,728,500	\$6,821,100	\$6,821,100	\$1,655,500
25-Acre Selected Area (Functional Area 1)	\$0	\$0	\$8,195,300	\$8,170,300	\$ 8,170,300	\$ 24,139,200	\$ 47,501,800	\$ 24,139,200	\$ 47,501,800	\$0
Entire Landfill (140 acres)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$45,995,800
Vegetation of Non-Vegetated Areas	\$0	\$0	\$123,600	\$123,600	\$ 123,600	\$ 123,600	\$ 123,600	\$123,600	\$123,600	\$0
Site Controls (physical)	\$0	\$ 225,910	\$ 226,000	\$ 226,000	\$ 226,000	\$ 226,000	\$ 226,000	\$ 226,000	\$ 226,000	\$ 226,000
Site Controls (administrative)	\$0	\$ 103,200	\$ 103,200	\$ 103,200	\$ 103,200	\$ 103,200	\$ 103,200	\$ 103,200	\$ 103,200	\$ 103,200
Post-Remedy Operation & Maintenance	\$0	\$ 199,800	\$ 2,217,100	\$ 2,217,100	\$ 2,217,100	\$ 2,217,100	\$ 2,217,100	\$ 559,700	\$ 559,700	\$ 3,770,700
Total	\$0	\$ 832,000	\$ 17,868,000	\$ 19,196,000	\$ 22,818,000	\$ 35,766,000	\$ 61,366,000	\$ 37,497,000	\$ 63,097,000	\$ 59,698,000

Notes,  
(1) All costs are in 2017 dollars with the exception of Post-Remedy Operation & Maintenance (O&M) costs, which assumes 2.5% annual inflation over 30 years for landfill and groundwater O&M and 5 years for wetland mitigation area maintenance.  
(2) See attached Tables 6-2, 6-5(a,b,c), 6-6(a,b), 6-7, and 6-8 for details of cost estimates and Table 6-5 for landfill closure cap details.  
(3) See Table 6-4 for cost estimate assumptions, notes, and limitations.