

PROPOSED REMEDIAL ALTERNATIVES FOR FEASIBILITY STUDY – REVISED BASED ON USEPA COMMENTS

Rolling Knolls Landfill Superfund Site

Chatham, New Jersey

SOIL

Remedial Alternative		Description
1	No Action	<ul style="list-style-type: none"> No action.
2	Site Controls	<ul style="list-style-type: none"> Institutional controls and access restrictions (fence and signs); and ongoing maintenance.
3	Site Controls, Capping of Selected Area to Reduce Overall Risk, Remediation of Areas of Particular Concern, and Remediation of Non-Vegetated Areas with Soil Sample Results Above the Remedial Goal	<ul style="list-style-type: none"> Institutional controls and access restrictions (fence and signs); capping of the 25-acre area in the northern portion of the site; remediation [either (1) capping, (2) excavation and consolidation under the 25-acre cap, or (3) excavation and offsite disposal] of areas of particular concern, which are areas with shallow (0 to 2 feet bgs) soil concentrations greater than 3 times the remedial goal; placement of a vegetative cover as necessary to reduce direct contact in non-vegetated areas where soil concentrations exceed the remedial goal; and ongoing maintenance.
4	Site Controls, Excavation and Off-Site Disposal of Selected Area to Reduce Overall Risk, Remediation of Areas of Particular Concern, and Remediation of Non-Vegetated Areas with Soil Sample Results Above the Remedial Goal	<ul style="list-style-type: none"> Institutional controls and access restrictions (fence and signs); excavation and offsite disposal of the 25-acre area in the northern portion of the site; remediation [either (1) capping, or (2) excavation and offsite disposal] of areas of particular concern, which are areas with shallow (0 to 2 feet bgs) soil concentrations greater than 3 times the remedial goal; placement of a vegetative cover as necessary to reduce direct contact in non-vegetated areas where soil concentrations exceed the remedial goal; and ongoing maintenance.
5	Site Controls and Capping of All Landfill Material	<ul style="list-style-type: none"> Institutional controls and access restrictions (fence and signs); a soil cap over all areas of buried waste; and, ongoing maintenance.

GROUNDWATER

Remedial Alternative		Description
1	No Action	No action.
2	Source Control and Monitoring	Remediation of potential source materials at TP-09, located upgradient of monitoring well MW-3, followed by groundwater monitoring.
3	Biological Treatment and Monitoring	Biological treatment (enhanced reductive dechlorination, aerobic bioremediation, or phytoremediation) in the area of monitoring well MW-3, followed by groundwater monitoring.
4	Chemical Treatment and Monitoring	Chemical treatment (in-situ oxidation or stabilization) in the area of monitoring well MW-3, followed by groundwater monitoring.

Prepared by Geosyntec Consultants, Inc.
December 7, 2017