

**Table 4-6**  
**Potential Preliminary Remediation Goals for Soil in the Shooting Range**  
Rolling Knolls Landfill Superfund Site - Feasibility Study  
Chatham, New Jersey

Chemical Name	CAS Number	NJDEP Residential Direct Contact Soil Remediation Standards (mg/kg)	ARS (mg/kg)	Federal Remediation Guideline - Residential (mg/kg)
2-methylnaphthalene	91-57-6	230		
Acenaphthene	83-32-9	3400		
Anthracene	120-12-7	17000		
Antimony	7440-36-0	31		
Arsenic	7440-38-2	19		
Barium	7440-39-3	16000		
Benz(a)anthracene	56-55-3	5		
Benzo(a) pyrene	50-32-8	0.5	1	
Benzo(b)fluoranthene	205-99-2	5		
Benzo(g,h,i)perylene	191-24-2	380000		
Benzo(k)fluoranthene	207-08-9	45		
Beryllium	7440-41-7	16		
Cadmium	7440-43-9	78		
Chrysene	218-01-9	450		
Cobalt	7440-48-4	1600		
Copper	7440-50-8	3100		
Cyanide Total	57-12-5	47		
Fluoranthene	206-44-0	2300		
Indeno(1,2,3-c,d)pyrene	193-39-5	5		
Lead	7439-92-1	400		200
Manganese	7439-96-5	11000		
Mercury	7439-97-6	23		
Naphthalene	91-20-3	6		
Nickel	7440-02-0	1600		
n-Nitrosodiphenylamine	86-30-6	99		

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Pyrene	129-00-0	1700		
Silver	7440-22-4	390		
Vanadium	7440-62-2	78	180	
Zinc	7440-66-6	23000		

## Notes:

ARS - Alternate Remediation Standard

CAS - Chemical Abstracts Service

NJDEP - New Jersey Department of Environmental Protection

mg/kg - milligrams per kilogram