

Existing Soil Remediation Standards	134 compounds
Proposed Soil Remediation Standards	137 compounds
Existing Soil Remediation that are being deleted	13 compounds
New Soil Remediation standards being proposed	16 compounds
Existing Soil Remediation standards that are being repropose	121 compounds

**Existing Soil
Remediation
Standards that
will carry over to
the readoption of
the Soil
Remediation
Standards (121
compounds)**

COMPOUND	CAS No.
Acenaphthene	83-32-9
Acetone	67-64-1
Acetophenone	98-86-2
Aldrin	309-00-2
Aluminum	7429-90-5
Anthracene	120-12-7
Antimony	7440-36-0
Arsenic	7440-38-2
Atrazine	1912-24-9
Barium	7440-39-3
Benzaldehyde	100-52-7
Benzene	71-43-2
Benzo(a)anthracene	56-55-3
Benzo(a) pyrene	50-32-8
Benzo(b)fluoranthene	205-99-2
Benzo(k) fluoranthene	207-08-9
Beryllium	7440-41-7
alpha-BHC	319-84-6
beta-BHC	319-85-7
gamma-BHC	58-89-9
1,1'-Biphenyl	92-52-4
Bis(2-chloroethyl) ether	111-44-4

COMPOUND	CAS No.
Bis(2-ethylhexyl) phthalate	117-81-7
Bromodichloromethane	75-27-4
Bromoform	75-25-2
Bromomethane	74-83-9
2-Butanone	78-93-3
Butylbenzylphthalate	85-68-7
Cadmium	7440-43-9
Caprolactam	105-60-2
Carbon disulfide	75-15-0
Carbon tetrachloride	56-23-5
Chlordane (alpha plus gamma mixture)	57-74-9
Chlorobenzene	108-90-7
Chloroethane	75-00-3
Chloroform	67-66-3
Chloromethane	74-87-3
2-Chlorophenol	95-57-8
Chrysene	218-01-9
Cobalt	7440-48-4
Copper	7440-50-8
Cyanide	57-12-5
4,4'-DDD	72-54-8
4,4'-DDE	72-55-9

COMPOUND	CAS No.
4,4'-DDT	50-29-3
Dibenzo(a,h) anthracene	53-70-3
Dibromochloromethane	124-48-1
1,2-Dibromo-3-chloropropane	96-12-8
1,2-Dibromoethane	106-93-4
1,2-Dichlorobenzene	95-50-1
1,3-Dichlorobenzene	541-73-1
1,4-Dichlorobenzene	106-46-7
3,3'-dichlorobenzidine	91-94-1
Dichlorodifluoromethane	75-71-8
1,1-Dichloroethane	75-34-3
1,2-Dichloroethane	107-06-2
1,1-Dichloroethene	75-35-4
cis-1,2-Dichloroethene	156-59-2
trans-1,2-Dichloroethene	156-60-5
2,4-Dichlorophenol	120-83-2
1,2-Dichloropropane	78-87-5
1,3-Dichloropropene (cis and trans)	542-75-6
Dieldrin	60-57-1
Diethylphthalate	84-66-2
2,4-Dimethylphenol	105-67-9
Di-n-butylphthalate	84-74-2

COMPOUND	CAS No.
2,4-Dinitrophenol	51-28-5
2,4-Dinitrotoluene /2,6-Dinitrotoluene (mixture)	25321-14-6
Di-n-octylphthalate	117-84-0
Endosulfan I and Endosulfan II (alpha and beta)	115-29-7
Endrin	72-20-8
Ethylbenzene	100-41-4
Fluoranthene	206-44-0
Fluorene	86-73-7
Heptachlor	76-44-8
Heptachlor epoxide	1024-57-3
Hexachlorobenzene	118-74-1
Hexachlorobutadiene	87-68-3
Hexachlorocyclopentadiene	77-47-4
Hexachloroethane	67-72-1
Indeno(1,2,3,-cd) pyrene	193-39-5
Isophorone	78-59-1
Lead	7439-92-1
Manganese	7439-96-5
Mercury	7439-97-6
Methoxychlor	72-43-5
Methyl acetate	79-20-9
Methylene chloride	75-09-2

COMPOUND	CAS No.
2-Methylnaphthalene	91-57-6
2-Methylphenol	95-48-7
4-Methylphenol	106-44-5
Methyl tert-butyl ether	1634-04-4
Naphthalene	91-20-3
Nickel	7440-02-0
Nitrobenzene	98-95-3
N-Nitroso-di-n propylamine	621-64-7
N-Nitrosodiphenylamine	86-30-6
2,2'-Oxybis(1-chloropropane) *	108-60-1
Pentachlorophenol	87-86-5
Phenol	108-95-2
Polychlorinated biphenyls (PCBs)	1336-36-3
Pyrene	129-00-0
Selenium	7782-49-2
Silver	7440-22-4
Styrene	100-42-5
Tertiary butyl alcohol	75-65-0
1,1,2,2-Tetrachloroethane	79-34-5
Tetrachloroethene	127-18-4
Toluene	108-88-3
Toxaphene	8001-35-2

COMPOUND	CAS No.
1,2,4-Trichlorobenzene	120-82-1
1,1,1-Trichloroethane	71-55-6
1,1,2-Trichloroethane	79-00-5
Trichloroethene	79-01-6
Trichlorofluoromethane	75-69-4
2,4,5-Trichlorophenol	95-95-4
2,4,6-Trichlorophenol	88-06-2
Vanadium	7440-62-2
Vinyl Chloride	75-01-4
Xylenes	1330-20-7
Zinc	7440-66-6

*Note: incorrectly named Bis(2-chloroisopropyl)ether in the current remediation standards

**New compounds for
which a Soil Remediation
Standard will be
proposed (16
compounds)**

COMPOUND	CAS No.	RATIONALE
Bis(2-chloroethoxy) methane	111-91-1	TCL Compound
4-Chloroaniline	106-47-8	TCL Compound
2-Chloronaphthalene	91-58-7	TCL Compound
Cyclohexane	110-82-7	TCL Compound
1,4-Dioxane	123-91-1	TCL Compound
n-Hexane	110-54-3	A compound for which a vapor intrusion remediation standard is needed.
2-Hexanone	591-78-6	TCL Compound
Isopropylbenzene	98-82-8	TCL Compound
4-Methyl-2-pentanone	108-10-1	TCL Compound
4-Nitroaniline	100-01-6	TCL Compound
Extractable Petroleum Hydrocarbons	Various	A commonly occurring compound for which a soil remediation standard is needed.
1,2,4,5-Tetrachlorobenzene	95-94-3	TCL Compound
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	A special needs compound
2,3,4,6-Tetrachlorophenol	58-90-2	TCL Compound
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	TCL Compound
1,2,4-Trimethylbenzene	95-63-6	A compound associated with gasoline.

**Compounds for
which an
existing Soil
Remediation
Standard will
be deleted (13
compounds)**

COMPOUND	CAS No.	RATIONALE
acrolein	107-02-8	This compound is not on the TCL list and has a limited need for a soil remediation standard.
acrylonitrile	107-13-1	This compound is not on the TCL list and has a limited need for a soil remediation standard.
benzidine	71-43-2	This compound is not on the TCL list and has a limited need for a soil remediation standard.
benzo(ghi)perylene	191-24-2	The existing soil remediation standard is based on an inhalation toxicity factor derived from an oral study. Based on EPA RAGS F, route to route conversions of toxicity factors should not be conducted unless a detailed evaluation of such a conversion is conducted. Such an evaluation was not conducted for this compound.
Carbazole	86-74-8	The existing soil remediation standard is based on a HEAST toxicity factor no longer accepted by EPA.
4,6-Dinitro-2-methylphenol	534-52-1	The existing soil remediation standard is based on an NCEA toxicity factor no longer accepted by EPA.
2,4-Dinitrotoluene	121-14-2	This contaminant will be regulated as a 2,4-dinitrotoluene / 2,6-dinitrotoluene mixture.

COMPOUND	CAS No.	RATIONALE
2,6-Dinitrotoluene	606-20-2	This contaminant will be regulated as a 2,4-dinitrotoluene / 2,6-dinitrotoluene mixture.
1,2-Diphenylhydrazine	122-66-7	This compound is not on the TCL list and has a limited need for a soil remediation standard.
Endosulfan sulfate	1031-07-8	The existing soil remediation standard is based on an IRIS toxicity factor no longer accepted by EPA.
2-Nitroaniline	88-74-4	The existing soil remediation standard is based on a HEAST toxicity factor no longer accepted by EPA.
N-Nitrosodimethylamine	62-75-9	This compound is not on the TCL list and has a limited need for a soil remediation standard.
Thallium	7740-28-0	The existing soil remediation standard is based on a IRIS toxicity factor no longer accepted by EPA.