TABLE 1—ALTERNATIVE TREATMENT STANDARDS FOR HAZARDOUS DEBRIS 1—Continued

Technology description	Performance and/or design and oper- ating standard	Contaminant restrictions <sup>2</sup>
3. Sealing: Application of an appropriate material which adheres tightly to the debris surface to avoid exposure of the surface to potential leaching media. When necessary to effectively seal the surface, sealing entails pretreatment of the debris surface to remove foreign matter and to clean and roughen the surface. Sealing materials include epoxy, silicone, and urethane compounds, but paint may not be used as a sealant.	Sealing must avoid exposure of the de- bris surface to potential leaching media and sealant must be resistent to degradation by the debris and its contaminants and materials into which it may come into contact after place- ment (leachate, other waste, mi- crobes).	None.

[57 FR 37277, Aug. 18, 1992, as amended at 59 FR 48103, Sept. 19, 1994; 63 FR 28738, May 26, 1998; 71 FR 40279, July 14, 2006]

#### §268.46 Alternative treatment standards based on HTMR.

For the treatment standards previously found in this section, refer to § 268.40.

[59 FR 48103, Sept. 19, 1994]

#### §268.48 Universal treatment standards.

(a) Table UTS identifies the hazardous constituents, along with the nonwastewater and wastewater treatment standard levels, that are used to regulate most prohibited hazardous wastes with numerical limits. For determining compliance with treatment standards for underlying hazardous constituents as defined in §268.2(i), these treatment standards may not be exceeded. Compliance with these treatment standards is measured by an analysis of grab samples, unless otherwise noted in the following Table UTS.

as a sealant.

1 Hazardous debris must be treated by either these standards or the waste-specific treatment standards for the waste contaminating the debris. The treatment standards must be met for each type of debris contained in a mixture of debris types, unless the debris is converted into treatment residue as a result of the treatment process. Debris treatment residuals are subject to the waste-specific treatment standards for the waste contaminating the debris.

2 Contaminant restriction means that the technology is not BDAT for that contaminant. If debris containing a restricted contaminant is treated by the technology, the contaminant must be subsequently treated by a technology for which it is not restricted in order to be land disposed (and excluded from Subtitle C regulation).

3 "Clean debris surface" means the surface, when viewed without magnification, shall be free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch surface area.

4 Acids, solvents, and chemical reagents may react with some debris and contaminants to form hazardous compounds. For example, acid washing of cyanide-contaminated debris could result in the formation of hydrogen cyanide. Some acids may also react violently with some debris and contaminants, depending on the concentration of the acid and the type of debris and contaminants. Debris treaters should refer to the safety precautions specified in Material Safety Data Sheets for various acids to avoid applying an incompatible acid to a particular debris/contaminant combination. For example, concentrated sulfuric acid may react violently with certain organic compounds, such as acrylonitrile.

5 If reducing the particle size of debris to meet the treatment standards r

onment absent management controls.

9 Any soil, waste, and other nondebris material that remains on the debris surface (or remains mixed with the debris) after treatment is considered a treatment residual that must be separated from the debris using, at a minimum, simple physical or mechanical means. Examples of simple physical or mechanical means are vibratory or trommel screening or water washing. The debris surface need not be cleaned to a "clean debris surface" as defined in note 3 when separating treated debris from residue; rather, the surface must be free of caked soil, waste, or other nondebris material. Treatment residuals are subject to the waste-specific treatment standards for the waste contaminating the debris.

# UNIVERSAL TREATMENT STANDARDS [Note: NA means not applicable]

[Note: NA means not app			
		Wastewater standard	Nonwastewater standard
Regulated constituent common name	CAS <sup>1</sup> number	Concentration <sup>2</sup> in mg/l	Concentration <sup>3</sup> in mg/kg unless noted as "mg/l TCLP"
Organic Constituents			
Acenaphthylene	208-96-8	0.059	3.4
Acenaphthene	83-32-9	0.059	3.4
Acetone	67–64–1	0.28	160
Acetonitrile	75-05-8	5.6	38
Acetophenone	96-86-2	0.010	9.7
2-Acetylaminofluorene	53-96-3	0.059	140
Acrolein	107-02-8	0.29	NA
Acrylamide	79–06–1	19	23
Acrylonitrile	107–13–1	0.24	84
Aldrin	309-00-2	0.021	0.066
4-Aminobiphenyl	92-67-1	0.13	NA
Aniline	62-53-3	0.81	14
o-Anisidine (2-methoxyaniline)	90-04-0	0.010	0.66
Anthracene	120-12-7	0.059	3.4
Aramite	140–57–8	0.36	NA
alpha-BHC	319–84–6	0.00014	0.066
beta-BHC	319–85–7	0.00014	0.066
delta-BHC	319–86–8	0.023	0.066
gamma-BHC	58-89-9	0.0017	0.066
Benzene	71–43–2	0.14	10
Benz(a)anthracene	56-55-3	0.059	3.4
Benzal chloride	98-87-3	0.055	6.0
Benzo(b)fluoranthene (difficult to distinguish from benzo(k)fluoranthene)	205-99-2	0.11	6.8
Benzo(k)fluoranthene (difficult to distinguish from benzo(b)fluoranthene)	207-08-9	0.11	6.8
Benzo(g,h,i)perylene	191–24–2	0.0055	1.8
Benzo(a)pyrene	50-32-8	0.061	3.4
Bromodichloromethane	75–27–4	0.35	15
Bromomethane/Methyl bromide	74-83-9	0.11	15
4-Bromophenyl phenyl ether	101–55–3	0.055	15
n-Butyl alcohol	71–36–3	5.6	2.6
Butyl benzyl phthalate	85-68-7	0.017	28
2-sec-Butyl-4,6-dinitrophenol/Dinoseb	88-85-7	0.066	2.5
Carbon disulfide	75–15–0	3.8	4.8 mg/l TCLP

## UNIVERSAL TREATMENT STANDARDS—Continued [Note: NA means not applicable]

[Note: NA means not applicable]			
		Wastewater standard	Nonwastewater standard
Regulated constituent common name	CAS <sup>1</sup> number	Concentration <sup>2</sup> in mg/l	Concentration <sup>3</sup> in mg/kg unless noted as "mg/l TCLP"
Carbon tetrachloride	56–23–5	0.057	6.0
Chlordane (alpha and gamma isomers)	57–74–9	0.0033	0.26
p-Chloroaniline	106–47–8	0.46	16
Chlorobenzene	108–90–7	0.057	6.0
Chlorobenzilate	510–15–6	0.10	NA
2-Chloro-1,3-butadiene	126–99–8	0.057	0.28
Chlorodibromomethane	124–48–1	0.057	15
Chloroethane	75-00-3	0.27	6.0
bis(2-Chloroethoxy)methane	111–91–1	0.036	7.2
bis(2-Chloroethyl)ether	111–44–4	0.033	6.0
Chloroform	67–66–3	0.046	6.0
bis(2-Chloroisopropyl)ether	39638-32-9	0.055	7.2
p-Chloro-m-cresol	59–50–7	0.018	14
2-Chloroethyl vinyl ether	110–75–8	0.062	NA
Chloromethane/Methyl chloride	74–87–3	0.19	30
2-Chloronaphthalene	91–58–7	0.055	5.6
2-Chloropchenol	95–57–8	0.044	5.7
3-Chloropropylene	107–05–1	0.036	30
Chrysene	218-01-9	0.059	3.4
p-Cresidine	120-71-8	0.010	0.66
o-Cresol	95–48–7	0.11	5.6
m-Cresol (difficult to distinguish from p-cresol)	108-39-4	0.77	5.6
p-Cresol (difficult to distinguish from m-cresol)	106–44–5	0.77	5.6
Cyclohexanone	108-94-1	0.36	0.75 mg/l TCLP
o,p'-DDD	53–19–0	0.023	0.087
p,p'-DDD	72–54–8	0.023	0.087
o,p'-DDE	3424-82-6	0.031	0.087
p,p'-DDE	72–55–9	0.031	0.087
o,p'-DDT	789-02-6	0.0039	0.087
p,p'-DDT	50-29-3	0.0039	0.087
Dibenz(a,h)anthracene	53-70-3	0.055	8.2
Dibenz(a,e)pyrene	192-65-4	0.061	NA
1,2-Dibromo-3-chloropropane	96–12–8	0.11	15
1,2-Dibromoethane/Ethylene dibromide	106-93-4	0.028	15
			1

# UNIVERSAL TREATMENT STANDARDS—Continued [Note: NA means not applicable]

		Wastewater standard	Nonwastewater standard
Regulated constituent common name	CAS <sup>1</sup> number	Concentration <sup>2</sup> in mg/l	Concentration <sup>3</sup> in mg/kg unless noted as "mg/l TCLP"
Dibromomethane	74–95–3	0.11	15
m-Dichlorobenzene	541-73-1	0.036	6.0
o-Dichlorobenzene	95–50–1	0.088	6.0
p-Dichlorobenzene	106–46–7	0.090	6.0
Dichlorodifluoromethane	75–71–8	0.23	7.2
1,1-Dichloroethane	75–34–3	0.059	6.0
1,2-Dichloroethane	107-06-2	0.21	6.0
1,1-Dichloroethylene	75–35–4	0.025	6.0
trans-1,2-Dichloroethylene	156–60–5	0.054	30
2,4-Dichlorophenol	120-83-2	0.044	14
2,6-Dichlorophenol	87–65–0	0.044	14
2,4-Dichlorophenoxyacetic acid/2,4-D	94–75–7	0.72	10
1,2-Dichloropropane	78–87–5	0.85	18
cis-1,3-Dichloropropylene	10061–01–5	0.036	18
trans-1,3-Dichloropropylene	10061-02-6	0.036	18
Dieldrin	60–57–1	0.017	0.13
Diethyl phthalate	84–66–2	0.20	28
p-Dimethylaminoazobenzene	60–11–7	0.13	NA
2,4-Dimethylaniline (2,4-xylidine)	95–68–1	0.010	0.66
2,4-Dimethyl phenol	105–67–9	0.036	14
Dimethyl phthalate	131–11–3	0.047	28
Di-n-butyl phthalate	84–74–2	0.057	28
1,4-Dinitrobenzene	100-25-4	0.32	2.3
4,6-Dinitro-o-cresol	534-52-1	0.28	160
2,4-Dinitrophenol	51–28–5	0.12	160
2,4-Dinitrotoluene	121-14-2	0.32	140
2,6-Dinitrotoluene	606–20–2	0.55	28
Di-n-octyl phthalate	117-84-0	0.017	28
Di-n-propylnitrosamine	621–64–7	0.40	14
1,4-Dioxane	123-91-1	12.0	170
Diphenylamine (difficult to distinguish from diphenylnitrosamine)	122-39-4	0.92	13
Diphenylnitrosamine (difficult to distinguish from diphenylamine)	86-30-6	0.92	13
1,2-Diphenylhydrazine	122-66-7	0.087	NA
Disulfoton	298-04-4	0.017	6.2

## UNIVERSAL TREATMENT STANDARDS—Continued [Note: NA means not applicable]

		Wastewater standard	Nonwastewater standard
Regulated constituent common name	CAS <sup>1</sup> number	Concentration <sup>2</sup> in mg/l	Concentration <sup>3</sup> in mg/kg unless noted as "mg/l TCLP"
Endosulfan I	959–98–8	0.023	0.066
Endosulfan II	33213–65–9	0.029	0.13
Endosulfan sulfate	1031–07–8	0.029	0.13
Endrin	72–20–8	0.0028	0.13
Endrin aldehyde	7421–93–4	0.025	0.13
Ethyl acetate	141–78–6	0.34	33
Ethyl benzene	100-41-4	0.057	10
Ethyl cyanide/Propanenitrile	107-12-0	0.24	360
Ethyl ether	60–29–7	0.12	160
bis(2-Ethylhexyl)phthalate	117–81–7	0.28	28
Ethyl methacrylate	97-63-2	0.14	160
Ethylene oxide	75–21–8	0.12	NA
Famphur	52–85–7	0.017	15
Fluoranthene	206-44-0	0.068	3.4
Fluorene	86–73–7	0.059	3.4
Heptachlor	76–44–8	0.0012	0.066
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)	35822-46-9	0.000035	.0025
1,2,3,4,6,7,8-Heptachlorodibenzofluran (1,2,3,4,6,7,8-HpCDF)	67562–39–4	0.000035	.0025
1,2,3,4,7,8,9-Heptachlorodibenzofluran (1,2,3,4,7,8,9-HpCDF)	55673-89-7	0.000035	.0025
Heptachlor epoxide	1024–57–3	0.016	0.066
Hexachlorobenzene	118–74–1	0.055	10
Hexachlorobutadiene	87-68-3	0.055	5.6
Hexachlorocyclopentadiene	77–47–4	0.057	2.4
HxCDDs (All Hexachlorodibenzo-p-dioxins)	NA	0.000063	0.001
HxCDFs (All Hexachlorodibenzofurans)	NA	0.000063	0.001
Hexachloroethane	67–72–1	0.055	30
Hexachloropropylene	1888–71–7	0.035	30
Indeno(1,2,3-c,d) pyrene	193–39–5	0.0055	3.4
lodomethane	74-88-4	0.19	65
Isobutyl alcohol	78-83-1	5.6	170
Isodrin	465-73-6	0.021	0.066
Isosafrole	120-58-1	0.081	2.6
Kepone	143–50–0	0.0011	0.13
Methacrylonitrile	126-98-7	0.24	84

# UNIVERSAL TREATMENT STANDARDS—Continued [Note: NA means not applicable]

[INOIE: INA Mean	is not applicable]		
		Wastewater standard	Nonwastewater standard
Regulated constituent common name	CAS <sup>1</sup> number	Concentration <sup>2</sup> in mg/l	Concentration <sup>3</sup> in mg/kg unless noted as "mg/l TCLP"
Methanol	67–56–1	5.6	0.75 mg/l TCLP
Methapyrilene	91–80–5	0.081	1.5
Methoxychlor	72–43–5	0.25	0.18
3-Methylcholanthrene	56-49-5	0.0055	15
4,4-Methylene bis(2-chloroaniline)	101–14–4	0.50	30
Methylene chloride	75–09–2	0.089	30
Methyl ethyl ketone	78–93–3	0.28	36
Methyl isobutyl ketone	108–10–1	0.14	33
Methyl methacrylate	80-62-6	0.14	160
Methyl methanesulfonate	66–27–3	0.018	NA
Methyl parathion	298-00-0	0.014	4.6
Naphthalene	91–20–3	0.059	5.6
2-Naphthylamine	91–59–8	0.52	NA
o-Nitroaniline	88-74-4	0.27	14
p-Nitroaniline	100-01-6	0.028	28
Nitrobenzene	98-95-3	0.068	14
5-Nitro-o-toluidine	99–55–8	0.32	28
o-Nitrophenol	88–75–5	0.028	13
p-Nitrophenol	100-02-7	0.12	29
N-Nitrosodiethylamine	55–18–5	0.40	28
N-Nitrosodimethylamine	62–75–9	0.40	2.3
N-Nitroso-di-n-butylamine	924–16–3	0.40	17
N-Nitrosomethylethylamine	10595–95–6	0.40	2.3
N-Nitrosomorpholine	59-89-2	0.40	2.3
N-Nitrosopiperidine	100-75-4	0.013	35
N-Nitrosopyrrolidine	930–55–2	0.013	35
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	3268-87-9	0.000063	0.005
1,2,3,4,6,7,8,9-Octachlorodibenzofluran (OCDF)	39001–02–0	0.000063	0.005
Parathion	56–38–2	0.014	4.6
Total PCBs (sum of all PCB isomers, or all Aroclors) <sup>8</sup>	1336–36–3	0.10	10
Pentachlorobenzene	608–93–5	0.055	10
PeCDDs (All Pentachlorodibenzo-p-dioxins)	NA	0.000063	0.001
PeCDFs (All Pentachlorodibenzofurans)	NA	0.000035	0.001
Pentachloroethane	76-01-7	0.055	6.0

## UNIVERSAL TREATMENT STANDARDS—Continued [Note: NA means not applicable]

Regulated constituent common name   Regulated name   Regula	[Note: NA means not applicable]			
Number   Concentration   Pertachloronitrobenzene   82-68-8   0.055   4.8			Wastewater standard	Nonwastewater standard
Pentachlorophenol         87-86-5         0.089         7.4           Phenacetin         62-44-2         0.081         16           Phenarithrene         85-01-8         0.059         5.6           Phenol         108-95-2         0.039         6.2           1.3-Phenylenediamine         108-45-2         0.010         0.66           Phorate         298-02-2         0.021         4.6           Phitalic acid         100-21-0         0.055         28           Phthalic anhydride         85-44-9         0.055         28           Pronamide         23950-58-5         0.093         1.5           Pyrone         129-00-0         0.067         8.2           Pyridine         110-86-1         0.014         16           Safrole         94-89-7         0.081         22           Silvex/2,4,5-TP         93-72-1         0.72         7.9           1,2,4,5-Tetrachlorodibenzo-p-dioxins)         NA         0.000063         0.001           TCDDs (All Tetrachlorodibenzo-p-dioxins)         NA         0.000063         0.001           TCDFs (All Tetrachlorodibenzo-p-dioxins)         NA         0.000063         0.001           T1,12-Tetrachloroethane         630-20-6	Regulated constituent common name		Concentration <sup>2</sup> in mg/l	Concentration <sup>3</sup> in mg/kg unless noted as "mg/l TCLP"
Phenacetin         62-44-2         0.081         16           Phenanthrene         85-01-8         0.059         5.6           Phenol         108-95-2         0.039         6.2           1,3-Phenylenediamine         108-45-2         0.010         0.66           Phorate         298-02-2         0.021         4.6           Phthalic acid         100-21-0         0.055         28           Phthalic anhydride         85-44-9         0.055         28           Pronamide         23950-58-5         0.093         1.5           Pyrene         129-00-0         0.067         8.2           Pyridine         110-86-1         0.014         16           Safrole         94-59-7         0.081         22           Silvex/2,4,5-TP         93-72-1         0.72         7.9           1,2,4,5-Tetrachlorodenzene         95-94-3         0.055         14           TCDDs (All Tetrachlorodibenzo-p-dioxins)         NA         0.000063         0.001           TCDFs (All Tetrachlorodibenzo-p-dioxins)         NA         0.000063         0.001           TCDFs (All Tetrachlorodibenzo-p-dioxins)         NA         0.000063         0.001           TCDFs (All Tetrachlorodibenzo-p-dioxins)	Pentachloronitrobenzene	82–68–8	0.055	4.8
Phenanthrene         85-01-8         0.059         5.6           Phenol         108-95-2         0.039         6.2           1,3-Phenylenedlamine         108-45-2         0.010         0.66           Phorate         298-02-2         0.021         4.6           Phthalic acid         100-21-0         0.055         28           Phthalic anhydride         85-44-9         0.055         28           Pronamide         23950-58-5         0.093         1.5           Pyrene         129-00-0         0.067         8.2           Pyridine         110-86-1         0.014         16           Saffole         94-59-7         0.081         22           Silvex/2,4,5-TP         93-72-1         0.72         7.9           1,2,4,5-Tetrachlorodibenzone         95-94-3         0.055         14           TCDDs (All Tetrachlorodibenzo-p-dioxins)         NA         0.00063         0.001           TCDDs (All Tetrachlorodibenzo-p-dioxins)         NA         0.00063         0.001           TCDDs (All Tetrachlorodibenzo-p-dioxins)         NA         0.00063         0.001           TL2,4,5-Tetrachlorocethane         630-20-6         0.057         6.0           T,1,1,2-Tetrachlorocethane <td>Pentachlorophenol</td> <td>87–86–5</td> <td>0.089</td> <td>7.4</td>	Pentachlorophenol	87–86–5	0.089	7.4
Phenol   108-95-2   0.039   6.2     1,3-Phenylenediamine   108-45-2   0.010   0.66     Phorate   298-02-2   0.021   4.6     Phthalic acid   100-21-0   0.055   28     Phthalic anhydride   85-44-9   0.055   28     Phthalic anhydride   85-44-9   0.055   28     Pronamide   23950-58-5   0.093   1.5     Pyrene   129-00-0   0.067   8.2     Pyridine   110-86-1   0.014   16     Safrole   94-59-7   0.081   22     Silvex/2,4,5-TP   93-72-1   0.72   7.9     1,2,4,5-Tetrachlorodibenzo-p-dioxins)   NA   0.000063   0.001     TCDDs (All Tetrachlorodibenzo-p-dioxins)   NA   0.000063   0.001     TCDPs (All Tetrachlorodibenzo-furans)   NA   0.000063   0.001     1,1,1,2-Tetrachlorodibena   79-34-5   0.057   6.0     1,1,2,2-Tetrachlorodethane   127-18-4   0.056   6.0     2,3,4,6-Tetrachlorodehnol   58-90-2   0.030   7.4     Toluene   108-88-3   0.080   10     Toxaphene   8001-35-2   0.0095   2.6     Tribromomethane/Bromoform   75-25-2   0.63   15     1,2,4-Trichlorodehne   79-00-5   0.054   6.0     Trichlorodethylene   79-01-6   0.054   6.0     Trichlorodethylen	Phenacetin	62-44-2	0.081	16
1.3-Phenylenediamine       108-45-2 298-02-2       0.010 0.66 298-02-2       0.021 4.6         Phorate       298-02-2 0.021 4.6       4.6         Phyladic acid       100-21-0 0.055 28         Phyladic anhydride       85-44-9 0.055 28         Pronamide       23950-58-5 0.093 1.5         Pyrene       129-00-0 0.067 8.2         Pyridine       110-86-1 0.014 16         Safrole       94-59-7 0.081 22         Silvev/2,4,5-TP       93-72-1 0.72 7.9         1,2,4,5-Tetrachlorobenzene       95-94-3 0.055 14         TCDDs (All Tetrachlorodibenzo-p-dioxins)       NA 0.00063 0.001         TCDFs (All Tetrachlorodibenzo-p-dioxins)       NA 0.00063 0.001         TCDFs (All Tetrachlorodibenzo-turans)       NA 0.00063 0.001         1,1,2,2-Tetrachloroethane       630-20-6 0.057 6.0         1,1,2,2-Tetrachloroethane       79-34-5 0.057 6.0         Tetrachloroethylene       127-18-4 0.056 6.0         2,3,4,6-Tetrachlorophenol       58-90-2 0.030 7.4         Toluene       108-88-3 0.080 10         Toxaphene       8001-35-2 0.0095 2.6         Tribromomethane/Bromoform       75-25-2 0.63 15         1,2,4-Trichloroethylene       79-00-5 0.054 6.0         1,1,1-Trichloroethylene       79-00-5 0.054 6.0         1,1,2-Trichl	Phenanthrene	85–01–8	0.059	5.6
Phorate         298-02-2         0.021         4.6           Phthalic acid         100-21-0         0.055         28           Phthalic anhydride         85-44-9         0.055         28           Pronamide         23950-58-5         0.093         1.5           Pyrene         129-00-0         0.067         8.2           Pyridine         110-86-1         0.014         16           Satrole         94-59-7         0.081         22           Silvew/2,4,5-TP         93-72-1         0.72         7.9           1,2,4,5-Tetrachlorodibenzonene         95-94-3         0.055         14           TCDDs (All Tetrachlorodibenzorurans)         NA         0.000063         0.001           TCDFs (All Tetrachlorodibenzofurans)         NA         0.000063         0.001           TCDFs (All Tetrachlorodibenzofurans)         NA         0.000063         0.001           TL1,2,2-Tetrachloroethane         630-20-6         0.057         6.0           1,1,2,2-Tetrachloroethane         79-34-5         0.057         6.0           Tetrachloroethylene         127-18-4         0.056         6.0           2,3,4,6-Tetrachlorophenol         58-90-2         0.030         7.4           Toluene </td <td>Phenol</td> <td>108-95-2</td> <td>0.039</td> <td>6.2</td>	Phenol	108-95-2	0.039	6.2
Phthalic anhydride         85-44-9         0.055         28           Pronamide         23950-58-5         0.093         1.5           Pyrene         129-00-0         0.067         8.2           Pyridine         110-86-1         0.014         16           Satrole         94-59-7         0.081         22           Silvex/2,4,5-TP         93-72-1         0.72         7.9           1,2,4,5-Tetrachlorobenzene         95-94-3         0.055         14           TCDDS (All Tetrachlorodibenzo-p-dioxins)         NA         0.00063         0.001           TCDFS (All Tetrachlorodibenzo-p-dioxins)         NA         0.00063         0.001           TL,1,2-Tetrachlorodibenzo-p-dioxins         NA         0.00063         0.001           TL,1,2-Tetrachlorodethylene         127-18-4         0.056         6.0           Toluchorodethylene         108-88-3 <td>1,3-Phenylenediamine Phorate</td> <td></td> <td></td> <td></td>	1,3-Phenylenediamine Phorate			
Pronamide         23950-58-5         0.093         1.5           Pyrene         129-00-0         0.067         8.2           Pyridine         110-86-1         0.014         16           Safrole         94-59-7         0.081         22           Silvex/2,4,5-TP         93-72-1         0.72         7.9           1,2,4,5-Tetrachlorobenzene         95-94-3         0.055         14           TCDDs (All Tetrachlorodibenzo-p-dioxins)         NA         0.00063         0.001           TCDFs (All Tetrachlorodibenzo-p-dioxins)         NA         0.00063         0.001           TCDFs (All Tetrachlorodibenzo-furans)         NA         0.00063         0.001           TCDFs (All Tetrachlorodibenzo-furans)         NA         0.00063         0.001           1,1,2-Tetrachloroethane         630-20-6         0.057         6.0           1,1,2-Tetrachloroethane         79-34-5         0.057         6.0           Tetrachloroethylene         127-18-4         0.056         6.0           2,3,4,6-Tetrachlorophenol         58-90-2         0.030         7.4           Toluene         108-88-3         0.080         10           Toxaphene         8001-35-2         0.0095         2.6	Phthalic acid	100-21-0	0.055	28
Pyrene         129-00-0         0.067         8.2           Pyridine         110-86-1         0.014         16           Safrole         94-59-7         0.081         22           Silvex/2,4,5-TP         93-72-1         0.72         7.9           1,2,4,5-Tetrachlorobenzene         95-94-3         0.055         14           TCDDs (All Tetrachlorodibenzo-p-dioxins)         NA         0.00063         0.001           TCDFs (All Tetrachlorodibenzo-furans)         NA         0.00063         0.001           TCDFs (All Tetrachlorodibenzo-furans)         NA         0.00063         0.001           1,1,2,2-Tetrachloroethane         630-20-6         0.057         6.0           1,1,2,2-Tetrachloroethane         79-34-5         0.057         6.0           Tetrachloroethylene         127-18-4         0.056         6.0           2,3,4,6-Tetrachlorophenol         58-90-2         0.030         7.4           Toluene         108-88-3         0.080         10           Toxaphene         8001-35-2         0.0095         2.6           Tribromomethane/Bromoform         75-25-2         0.63         15           1,2,4-Trichlorobenzene         120-82-1         0.055         19	Phthalic anhydride	85–44–9	0.055	28
National Part	Pronamide	23950–58–5	0.093	1.5
Safrole 94-59-7 0.081 22 Silvex/2,4,5-TP 93-72-1 0.72 7.9  1,2,4,5-Tetrachlorobenzene 95-94-3 0.055 14  TCDDs (All Tetrachlorodibenzo-p-dioxins) NA 0.000063 0.001  TCDFs (All Tetrachlorodibenzofurans) NA 0.000063 0.001  1,1,1,2-Tetrachloroethane 630-20-6 0.057 6.0  1,1,2,2-Tetrachloroethane 79-34-5 0.057 6.0  Tetrachloroethylene 127-18-4 0.056 6.0  2,3,4,6-Tetrachlorophenol 58-90-2 0.030 7.4  Toluene 108-88-3 0.080 10  Toxaphene 8001-35-2 0.0095 2.6  Tribromomethane/Bromoform 75-25-2 0.63 15  1,2,4-Trichlorobenzene 120-82-1 0.055 19  1,1,1-Trichloroethane 79-00-5 0.054 6.0  Trichloroethylene 79-01-6 0.054 6.0  Trichlorophenol 95-95-4 0.18 7.4  2,4,5-Trichlorophenol 88-06-2 0.035 7.4  2,4,5-Trichlorophenol 88-06-2 0.035 7.4  2,4,5-Trichlorophenol 96-18-4 0.85 30	Pyrene	129-00-0	0.067	8.2
Silvex/2,4,5-TP         93–72–1         0.72         7.9           1,2,4,5-Tetrachlorobenzene         95–94–3         0.055         14           TCDDs (All Tetrachlorodibenzo-p-dioxins)         NA         0.000063         0.001           TCDFs (All Tetrachlorodibenzofurans)         NA         0.000063         0.001           1,1,1,2-Tetrachloroethane         630–20–6         0.057         6.0           1,1,2,2-Tetrachloroethane         79–34–5         0.057         6.0           Tetrachloroethylene         127–18–4         0.056         6.0           2,3,4,6-Tetrachlorophenol         58–90–2         0.030         7.4           Toluene         108–88–3         0.080         10           Toxaphene         8001–35–2         0.095         2.6           Tribromomethane/Bromoform         75–25–2         0.63         15           1,2,4-Trichlorobenzene         120–82–1         0.055         19           1,1,1-Trichloroethane         71–55–6         0.054         6.0           Trichloroethylene         79–00–5         0.054         6.0           Trichloroethylene         79–01–6         0.054         6.0           Trichlorophenol         95–95–4         0.18         7.4      <	Pyridine	110-86-1	0.014	16
1,2,4,5-Tetrachlorobenzene       95-94-3       0.055       14         TCDDs (All Tetrachlorodibenzo-p-dioxins)       NA       0.000063       0.001         TCDFs (All Tetrachlorodibenzofurans)       NA       0.000063       0.001         1,1,1,2-Tetrachloroethane       630-20-6       0.057       6.0         1,1,2,2-Tetrachloroethane       79-34-5       0.057       6.0         1,1,2,2-Tetrachloroethylene       127-18-4       0.056       6.0         2,3,4,6-Tetrachlorophenol       58-90-2       0.030       7.4         Toluene       108-88-3       0.080       10         Toxaphene       8001-35-2       0.0095       2.6         Tribromomethane/Bromoform       75-25-2       0.63       15         1,2,4-Trichlorobenzene       120-82-1       0.055       19         1,1,1-Trichloroethane       71-55-6       0.054       6.0         Trichloroethylene       79-00-5       0.054       6.0         Trichlorofluoromethane       75-69-4       0.020       30         2,4,5-Trichlorophenol       88-06-2       0.035       7.4         2,4,6-Trichlorophenol       88-06-2       0.035       7.4         2,4,5-Trichlorophenol       96-18-4       0.85       <	Safrole	94–59–7	0.081	22
TCDDs (All Tetrachlorodibenzo-p-dioxins)         NA         0.000063         0.001           TCDFs (All Tetrachlorodibenzofurans)         NA         0.000063         0.001           1,1,1,2-Tetrachloroethane         630-20-6         0.057         6.0           1,1,2,2-Tetrachloroethane         79-34-5         0.057         6.0           Tetrachloroethylene         127-18-4         0.056         6.0           2,3,4,6-Tetrachlorophenol         58-90-2         0.030         7.4           Toluene         108-88-3         0.080         10           Toxaphene         8001-35-2         0.0095         2.6           Tribromomethane/Bromoform         75-25-2         0.63         15           1,2,4-Trichlorobenzene         120-82-1         0.055         19           1,1,1-Trichloroethane         71-55-6         0.054         6.0           1,1,2-Trichloroethane         79-00-5         0.054         6.0           Trichlorofluoromethane         75-69-4         0.020         30           2,4,5-Trichlorophenol         95-95-4         0.18         7.4           2,4,6-Trichlorophenol         88-06-2         0.035         7.4           2,4,5-Trichlorophenoxyacetic acid/2,4,5-T         93-76-5         0.72	Silvex/2,4,5-TP	93–72–1	0.72	7.9
TCDFs (All Tetrachlorodibenzofurans)         NA         0.000063         0.001           1,1,1,2-Tetrachloroethane         630-20-6         0.057         6.0           1,1,2,2-Tetrachloroethane         79-34-5         0.057         6.0           Tetrachloroethylene         127-18-4         0.056         6.0           2,3,4,6-Tetrachlorophenol         58-90-2         0.030         7.4           Toluene         108-88-3         0.080         10           Toxaphene         8001-35-2         0.0095         2.6           Tribromomethane/Bromoform         75-25-2         0.63         15           1,2,4-Trichlorobenzene         120-82-1         0.055         19           1,1,1-Trichloroethane         71-55-6         0.054         6.0           1,1,2-Trichloroethane         79-00-5         0.054         6.0           Trichlorofluoromethane         75-69-4         0.020         30           2,4,5-Trichlorophenol         95-95-4         0.18         7.4           2,4,5-Trichlorophenol         88-06-2         0.035         7.4           2,4,5-Trichlorophenoxyacetic acid/2,4,5-T         93-76-5         0.72         7.9           1,2,3-Trichloropropane         96-18-4         0.85         30 <td>1,2,4,5-Tetrachlorobenzene</td> <td>95–94–3</td> <td>0.055</td> <td>14</td>	1,2,4,5-Tetrachlorobenzene	95–94–3	0.055	14
1,1,1,2-Tetrachloroethane       630–20–6       0.057       6.0         1,1,2,2-Tetrachloroethane       79–34–5       0.057       6.0         Tetrachloroethylene       127–18–4       0.056       6.0         2,3,4,6-Tetrachlorophenol       58–90–2       0.030       7.4         Toluene       108–88–3       0.080       10         Toxaphene       8001–35–2       0.0095       2.6         Tribromomethane/Bromoform       75–25–2       0.63       15         1,2,4-Trichlorobenzene       120–82–1       0.055       19         1,1,1-Trichloroethane       71–55–6       0.054       6.0         1,1,2-Trichloroethane       79–00–5       0.054       6.0         Trichloroethylene       79–01–6       0.054       6.0         Trichlorofluoromethane       75–69–4       0.020       30         2,4,5-Trichlorophenol       95–95–4       0.18       7.4         2,4,5-Trichlorophenol       88–06–2       0.035       7.4         2,4,5-Trichlorophenoxyacetic acid/2,4,5-T       93–76–5       0.72       7.9         1,2,3-Trichloropropane       96–18–4       0.85       30	TCDDs (All Tetrachlorodibenzo-p-dioxins)	NA	0.000063	0.001
1,1,2,2-Tetrachloroethane       79–34–5       0.057       6.0         Tetrachloroethylene       127–18–4       0.056       6.0         2,3,4,6-Tetrachlorophenol       58–90–2       0.030       7.4         Toluene       108–88–3       0.080       10         Toxaphene       8001–35–2       0.095       2.6         Tribromomethane/Bromoform       75–25–2       0.63       15         1,2,4-Trichlorobenzene       120–82–1       0.055       19         1,1,1-Trichloroethane       71–55–6       0.054       6.0         1,1,2-Trichloroethane       79–00–5       0.054       6.0         Trichloroethylene       79–01–6       0.054       6.0         Trichlorofluoromethane       75–69–4       0.020       30         2,4,5-Trichlorophenol       95–95–4       0.18       7.4         2,4,5-Trichlorophenol       88–06–2       0.035       7.4         2,4,5-Trichlorophenoxyacetic acid/2,4,5-T       93–76–5       0.72       7.9         1,2,3-Trichloropropane       96–18–4       0.85       30	TCDFs (All Tetrachlorodibenzofurans)	NA	0.000063	0.001
Tetrachloroethylene         127–18–4         0.056         6.0           2,3,4,6-Tetrachlorophenol         58–90–2         0.030         7.4           Toluene         108–88–3         0.080         10           Toxaphene         8001–35–2         0.0095         2.6           Tribromomethane/Bromoform         75–25–2         0.63         15           1,2,4-Trichlorobenzene         120–82–1         0.055         19           1,1,1-Trichloroethane         71–55–6         0.054         6.0           1,1,2-Trichloroethane         79–00–5         0.054         6.0           Trichloroethylene         79–01–6         0.054         6.0           Trichlorofluoromethane         75–69–4         0.020         30           2,4,5-Trichlorophenol         95–95–4         0.18         7.4           2,4,5-Trichlorophenol         88–06–2         0.035         7.4           2,4,5-Trichlorophenoxyacetic acid/2,4,5-T         93–76–5         0.72         7.9           1,2,3-Trichloropropane         96–18–4         0.85         30	1,1,1,2-Tetrachloroethane	630–20–6	0.057	6.0
2,3,4,6-Tetrachlorophenol       58–90–2       0.030       7.4         Toluene       108–88–3       0.080       10         Toxaphene       8001–35–2       0.0095       2.6         Tribromomethane/Bromoform       75–25–2       0.63       15         1,2,4-Trichlorobenzene       120–82–1       0.055       19         1,1,1-Trichloroethane       71–55–6       0.054       6.0         1,1,2-Trichloroethane       79–00–5       0.054       6.0         Trichloroethylene       79–01–6       0.054       6.0         Trichlorofluoromethane       75–69–4       0.020       30         2,4,5-Trichlorophenol       95–95–4       0.18       7.4         2,4,5-Trichlorophenol       88–06–2       0.035       7.4         2,4,5-Trichlorophenoxyacetic acid/2,4,5-T       93–76–5       0.72       7.9         1,2,3-Trichloropropane       96–18–4       0.85       30	1,1,2,2-Tetrachloroethane	79–34–5	0.057	6.0
Toluene         108-88-3         0.080         10           Toxaphene         8001-35-2         0.0095         2.6           Tribromomethane/Bromoform         75-25-2         0.63         15           1,2,4-Trichlorobenzene         120-82-1         0.055         19           1,1,1-Trichloroethane         71-55-6         0.054         6.0           1,1,2-Trichloroethane         79-00-5         0.054         6.0           Trichloroethylene         79-01-6         0.054         6.0           Trichlorofluoromethane         75-69-4         0.020         30           2,4,5-Trichlorophenol         95-95-4         0.18         7.4           2,4,6-Trichlorophenol         88-06-2         0.035         7.4           2,4,5-Trichlorophenoxyacetic acid/2,4,5-T         93-76-5         0.72         7.9           1,2,3-Trichloropropane         96-18-4         0.85         30	Tetrachloroethylene	127–18–4	0.056	6.0
Toxaphene         8001–35–2         0.0095         2.6           Tribromomethane/Bromoform         75–25–2         0.63         15           1,2,4-Trichlorobenzene         120–82–1         0.055         19           1,1,1-Trichloroethane         71–55–6         0.054         6.0           1,1,2-Trichloroethane         79–00–5         0.054         6.0           Trichloroethylene         79–01–6         0.054         6.0           Trichloroftluoromethane         75–69–4         0.020         30           2,4,5-Trichlorophenol         95–95–4         0.18         7.4           2,4,5-Trichlorophenol         88–06–2         0.035         7.4           2,4,5-Trichlorophenoxyacetic acid/2,4,5-T         93–76–5         0.72         7.9           1,2,3-Trichloropropane         96–18–4         0.85         30	2,3,4,6-Tetrachlorophenol	58–90–2	0.030	7.4
Tribromomethane/Bromoform         75–25–2         0.63         15           1,2,4-Trichlorobenzene         120–82–1         0.055         19           1,1,1-Trichloroethane         71–55–6         0.054         6.0           1,1,2-Trichloroethane         79–00–5         0.054         6.0           Trichloroethylene         79–01–6         0.054         6.0           Trichloroffluoromethane         75–69–4         0.020         30           2,4,5-Trichlorophenol         95–95–4         0.18         7.4           2,4,5-Trichlorophenol         88–06–2         0.035         7.4           2,4,5-Trichlorophenoxyacetic acid/2,4,5-T         93–76–5         0.72         7.9           1,2,3-Trichloropropane         96–18–4         0.85         30	Toluene	108-88-3	0.080	10
1,2,4-Trichlorobenzene     120-82-1     0.055     19       1,1,1-Trichloroethane     71-55-6     0.054     6.0       1,1,2-Trichloroethane     79-00-5     0.054     6.0       Trichloroethylene     79-01-6     0.054     6.0       Trichlorofluoromethane     75-69-4     0.020     30       2,4,5-Trichlorophenol     95-95-4     0.18     7.4       2,4,6-Trichlorophenol     88-06-2     0.035     7.4       2,4,5-Trichlorophenoxyacetic acid/2,4,5-T     93-76-5     0.72     7.9       1,2,3-Trichloropropane     96-18-4     0.85     30	Toxaphene	8001–35–2	0.0095	2.6
1,1,1-Trichloroethane       71–55–6       0.054       6.0         1,1,2-Trichloroethane       79–00–5       0.054       6.0         Trichloroethylene       79–01–6       0.054       6.0         Trichlorofluoromethane       75–69–4       0.020       30         2,4,5-Trichlorophenol       95–95–4       0.18       7.4         2,4,6-Trichlorophenol       88–06–2       0.035       7.4         2,4,5-Trichlorophenoxyacetic acid/2,4,5-T       93–76–5       0.72       7.9         1,2,3-Trichloropropane       96–18–4       0.85       30	Tribromomethane/Bromoform	75–25–2	0.63	15
1,1,2-Trichloroethane     79–00–5     0.054     6.0       Trichloroethylene     79–01–6     0.054     6.0       Trichlorofluoromethane     75–69–4     0.020     30       2,4,5-Trichlorophenol     95–95–4     0.18     7.4       2,4,6-Trichlorophenol     88–06–2     0.035     7.4       2,4,5-Trichlorophenoxyacetic acid/2,4,5-T     93–76–5     0.72     7.9       1,2,3-Trichloropropane     96–18–4     0.85     30	1,2,4-Trichlorobenzene	120-82-1	0.055	19
Trichloroethylene         79–01–6         0.054         6.0           Trichlorofluoromethane         75–69–4         0.020         30           2,4,5-Trichlorophenol         95–95–4         0.18         7.4           2,4,6-Trichlorophenol         88–06–2         0.035         7.4           2,4,5-Trichlorophenoxyacetic acid/2,4,5-T         93–76–5         0.72         7.9           1,2,3-Trichloropropane         96–18–4         0.85         30	1,1,1-Trichloroethane	71–55–6	0.054	6.0
Trichlorofluoromethane         75–69–4         0.020         30           2,4,5-Trichlorophenol         95–95–4         0.18         7.4           2,4,6-Trichlorophenol         88–06–2         0.035         7.4           2,4,5-Trichlorophenoxyacetic acid/2,4,5-T         93–76–5         0.72         7.9           1,2,3-Trichloropropane         96–18–4         0.85         30	1,1,2-Trichloroethane	79–00–5	0.054	6.0
2,4,5-Trichlorophenol       95–95–4       0.18       7.4         2,4,6-Trichlorophenol       88–06–2       0.035       7.4         2,4,5-Trichlorophenoxyacetic acid/2,4,5-T       93–76–5       0.72       7.9         1,2,3-Trichloropropane       96–18–4       0.85       30	Trichloroethylene	79–01–6	0.054	6.0
2,4,6-Trichlorophenol       88-06-2       0.035       7.4         2,4,5-Trichlorophenoxyacetic acid/2,4,5-T       93-76-5       0.72       7.9         1,2,3-Trichloropropane       96-18-4       0.85       30	Trichlorofluoromethane	75–69–4	0.020	30
2,4,5-Trichlorophenoxyacetic acid/2,4,5-T     93–76–5     0.72     7.9       1,2,3-Trichloropropane     96–18–4     0.85     30	2,4,5-Trichlorophenol	95–95–4	0.18	7.4
1,2,3-Trichloropropane 96–18–4 0.85 30	2,4,6-Trichlorophenol	88-06-2	0.035	7.4
	2,4,5-Trichlorophenoxyacetic acid/2,4,5-T	93–76–5	0.72	7.9
1,1,2-Trichloro-1,2,2-trifluoroethane 76–13–1 0.057 30	1,2,3-Trichloropropane	96–18–4	0.85	30
	1,1,2-Trichloro-1,2,2-trifluoroethane	76–13–1	0.057	30

## UNIVERSAL TREATMENT STANDARDS—Continued [Note: NA means not applicable]

[Note: NY means not a	ppiloabioj		
		Wastewater standard	Nonwastewater standard
Regulated constituent common name	CAS <sup>1</sup> number	Concentration 2 in mg/l	Concentration <sup>3</sup> in mg/kg unless noted as "mg/l TCLP"
tris-(2,3-Dibromopropyl) phosphate	126–72–7	0.11	0.10
Vinyl chloride	75–01–4	0.27	6.0
Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	1330–20–7	0.32	30
Inorganic Constituents			
Antimony	7440–36–0	1.9	1.15 mg/l TCLP
Arsenic	7440–38–2	1.4	5.0 mg/l TCLP
Barium	7440–39–3	1.2	21 mg/l TCLP
Beryllium	7440–41–7	0.82	1.22 mg/l TCLP
Cadmium	7440-43-9	0.69	0.11 mg/l TCLP
Chromium (Total)	7440–47–3	2.77	0.60 mg/l TCLP
Cyanides (Total) <sup>4</sup>	57–12–5	1.2	590
Cyanides (Amenable) <sup>4</sup>	57–12–5	0.86	30
Fluoride <sup>5</sup>	16984-48-8	35	NA
Lead	7439–92–1	0.69	0.75 mg/l TCLP
Mercury—Nonwastewater from Retort	7439–97–6	NA	0.20 mg/l TCLP
Mercury—All Others	7439–97–6	0.15	0.025 mg/l TCLP
Nickel	7440-02-0	3.98	11 mg/l TCLP
Selenium <sup>7</sup>	7782–49–2	0.82	5.7 mg/l TCLP
Silver	7440–22–4	0.43	0.14 mg/l TCLP
Sulfide <sup>5</sup>	18496–25–8	14	NA
Thallium	7440–28–0	1.4	0.20 mg/l TCLP
Vanadium <sup>5</sup>	7440-62-2	4.3	1.6 mg/l TCLP
Zinc <sup>5</sup>	7440-66-6	2.61	4.3 mg/l TCLP
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### FOOTNOTES TO TABLE UTS

- 1 CAS means Chemical Abstract Services. When the waste code and/or regulated constituents are described as a combination of a chemical with it's salts and/or esters, the CAS number is given for the parent compound only.
- Concentration standards for wastewaters are expressed in mg/l and are based on analysis of composite samples.
- Except for Metals (EP or TCLP) and Cyanides (Total and Amenable) the nonwastewater treatment standards expressed as a concentration were established, inpart, based upon incineration in units operated in accordance with the technical requirements of 40 CFR part 264, subpart O or 40 CFR part 265, subpart O, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may comply with these treatment standards according to provisions in 40 CFR 268.40(d). All concentration standards for nonwastewaters are based on analysis of grab samples.

#### FOOTNOTES TO TABLE UTS—Continued

- Both Cyanides (Total) and Cyanides (Amenable) for nonwastewaters are to be analyzed using Method 9010C or 9012B, found in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW–846, as incorporated by reference in 40 CFR 260.11, with a sample size of 10 grams and a distillation time of one hour and 15 minutes.
- These constituents are not "underlying hazardous constituents" in characteristic wastes, according to the definition at § 268.2(i).
- 6 [Reserved]
- 7 This constituent is not an underlying hazardous constituent as defined at § 268.2(i) of this Part because its UTS level is greater than its TC level, thus a treatment selenium waste would always be characteristically hazardous, unless it is treated to below its characteristic level.
- This standard is temporarily deferred for soil exhibiting a hazardous characteristic due to D004–D011 only.

[59 FR 48103, Sept. 19, 1994, as amended at 60 FR 302, Jan. 3, 1995; 61 FR 15654, Apr. 8, 1996; 61 FR 33690, June 28, 1996; 62 FR 7596, Feb. 19, 1997; 63 FR 24626, May 4, 1998; 63 FR 28739, May 26, 1998; 63 FR 47417, Sept. 4, 1998; 64 FR 25417, May 11, 1999; 65 FR 14475, Mar. 17, 2000; 70 FR 34590, June 14, 2005; 70 FR 9178, Feb. 24, 2005; 71 FR 40279, July 14, 2006; 75 FR 13008, Mar. 18, 2010; 76 FR 34156, June 13, 2011]

## § 268.49 Alternative LDR treatment standards for contaminated soil.

(a) Applicability. You must comply with LDRs prior to placing soil that exhibits a characteristic of hazardous waste, or exhibited a characteristic of

hazardous waste at the time it was generated, into a land disposal unit. The following chart describes whether you must comply with LDRs prior to placing soil contaminated by listed hazardous waste into a land disposal unit:

If LDRs	And if LDRs	And if	Then you
Applied to the listed waste when it contaminated the soil*.	Apply to the listed waste now.		Must comply with LDRs
Didn't apply to the listed waste when it contaminated the soil*.	Apply to the listed waste now.	The soil is determined to contain the listed waste when the soil is first generated.	Must comply with LDRs.
Didn't apply to the listed waste when it contaminated the soil*.	Apply to the listed waste now.	The soil is determined not to contain the listed waste when the soil is first generated.	Needn't comply with LDRs.
Didn't apply to the listed waste when it contaminated the soil*.	Don't apply to the listed waste now.		Needn't comply with LDRs.

<sup>\*</sup>For dates of LDR applicability, see 40 CFR Part 268 Appendix VII. To determine the date any given listed hazardous waste contaminated any given volume of soil, use the last date any given listed hazardous waste was placed into any given land disposal unit or, in the case of an accidental spill, the date of the spill.

(b) Prior to land disposal, contaminated soil identified by paragraph (a) of this section as needing to comply with LDRs must be treated according to the applicable treatment standards specified in paragraph (c) of this section or according to the Universal Treatment Standards specified in 40 CFR 268.48 applicable to the contaminating listed hazardous waste and/or the applicable characteristic of hazardous waste if the soil is characteristic. The treatment standards specified in paragraph (c) of this section and the Universal Treat-

ment Standards may be modified through a treatment variance approved in accordance with 40 CFR 268.44.

(c) Treatment standards for contaminated soils. Prior to land disposal, contaminated soil identified by paragraph (a) of this section as needing to comply with LDRs must be treated according to all the standards specified in this paragraph or according to the Universal Treatment Standards specified in 40 CFR 268.48.