

TABLE 1-4

Site DP17A: Maximum Contaminant Concentrations Detected in Soil Samples Following Drum Removal (EA, 1996)

Bellows OU1 EE/CA, Bellows AFS, Hawaii

Analyte	Maximum Value	Region IX PRG		Exceeds PRG?	HDOH Tier 1 SAL	Exceeds Tier I	SAL? Location	Depth (feet)
		Industrial						
Semivolatiles (mg/kg)								
Acenaphthene	0.086 J	2.80E+04	No	No	18	No	DP17A07	0.5 - 1
Benzo(a)anthracene	0.900	3.59E+00	No	No	6.4	No	DP17A07	0.5 - 1
Benzo(a)pyrene	0.680 J	3.59E-01	Yes	No	1.0	No	DP17A07	0.5 - 1
Benzo(b)fluoranthene	1.100	3.59E+00	No	No	20	No	DP17A07	0.5 - 1
Benzo(g,h,i)perylene	0.270 J	---	---	No	5.0	No	DP17A07	0.5 - 1
Benzo(k)fluoranthene	0.390 J	3.59E+01	No	No	20	No	DP17A07	0.5 - 1
Bis(2-ethylhexyl)phthalate	0.240 J	2.14E+02	No	No	0.38	No	DP17A09	1 - 1.5
Chrysene	0.980	3.59E+02	No	No	6.4	No	DP17A07	0.5 - 1
Di-n-butylphthalate	0.140 J	1.07E+05	No	No	0.38	No	DP17A06	0.5 - 1
Fluoranthene	1.800	3.74E+04	No	No	11	No	DP17A07	0.5 - 1
Fluorene	0.130 J	2.24E+04	No	No	11	No	DP17A07	0.5 - 1
Indeno(1,2,3-cd)pyrene	0.300 J	3.59E+00	No	No	56	No	DP17A07	0.5 - 1
Phenanthrene	1.600	---	---	Yes	0.038	Yes	DP17A07	0.5 - 1
Pyrene	1.500	2.65E+04	No	No	---	---	DP17A07	0.5 - 1
Pesticides/PCBs (mg/kg)								
Endosulfan II	9.90E-03 P	---	---	Yes	2.0E-05	Yes	DP17A05	0.5 - 1
Endrin	9.10E-03 P	3.21E+02	No	Yes	2.9E-05	Yes	DP17A05	0.5 - 1
Endrin Aldehyde	9.40E-03 P	---	---	Yes	2.9E-05	Yes	DP17A12-DUP	1.5 - 2
Heptachlor Epoxide	4.10E-03 P	3.29E-01	No	Yes	3.0E-04	Yes	DP17A05	0.5 - 1
Methoxychlor	0.0240	5.34E+03	No	Yes	0.0029	Yes	DP17A12	1.5 - 2
4,4'-DDD	0.0920 P	1.87E+01	No	No	1.8	No	DP17A12	1.5 - 2
4,4'-DDE	0.8100	1.32E+01	No	No	1.3	No	DP17A05	0.5 - 1
4,4'-DDT	0.4500	1.32E+01	No	No	0.82	No	DP17A12	1.5 - 2
PCB-1242	2.9000	---	---	Yes	1.0	Yes	DP17A13	1.3 - 1.5
PCB-1254	0.0860	1.80E+01	No	No	1.0	No	DP17A07	0.5 - 1
PCB-1260	0.1600	---	---	No	1.0	No	DP17A07	0.5 - 1
Inorganics (mg/kg)								
Antimony	565 EN	7.49E+02	No	---	---	---	DP17A12-DUP	1.5 - 2
Arsenic	79 EN	2.99E+00	Yes	---	---	---	DP17A05	0.5 - 1
Beryllium	0.27 B	3.40E+03	No	---	---	---	DP17A01	0.5 - 1
Cadmium	41	9.34E+02	No	Yes	38	Yes	DP17A03	0.5 - 1
Chromium	130 E	4.50E+02	No	---	---	---	DP17A09	1 - 1.5
Copper	5,290	6.96E+04	No	---	---	---	DP17A07	0.5 - 1
Lead	2,910	7.50E+02	Yes	Yes	400	Yes	DP17A07	0.5 - 1
Mercury	19	5.60E+02	No	---	---	---	DP17A13	1.3 - 1.5
Nickel	177 EN	3.75E+04	No	---	---	---	DP17A14	4 - 4.2
Selenium	2.9 N	9.37E+03	No	---	---	---	DP17A14	1.8 - 2
Silver	7.3 B	9.37E+03	No	---	---	---	DP17A12	1.5 - 2
Zinc	2,950	1.00E+05	No	---	---	---	DP17A09	1 - 1.5

Notes:

Bold indicates that the maximum concentration exceeded the PRG and/or the HDOH Tier 1 Action Level.

--- = Not applicable

P - >25% difference between two GC columns, lower column value reported.

B - Less than CRDL but greater than IDL.

N - Spiked sample recovery not within control limits

Sampling results are from the drum removal report (EA, 1998).

J - Estimated value.

E - Estimated due to interference.

PCBs = polychlorinated biphenyls

PRG = Preliminary Remediation Goal

HDOH = Hawaii Department of Health

SAL = soil action level