Table 1 - Preliminary Landfill Material Screen Aganist TCLP Toxicity and CDPHE Contained-Out Criteria for Restricted use

Parameter	Detected Concentration		Contained - Out Criteria for Restricted Use			268.48		
	Average of Total Soil Values (mg/kg)	Total value divided by 20, or TCLP[a/] Value (mg/kg)	Criteria A: Residential Soil RSL[b/] x 100 (mg/kg)	Criteria B-1: TCLP Limit (mg/L)	Criteria B-2: CBSG[c/] x 100 (mg/L)	Universal Treatment Standard (mg/kg)	Mutiplier	LDR Criteria for Restricted Use (mg/kg)
Ethylbenzene	0.16	n/a	580	n/a	70	10	10	100
p-Dichlorobenzene	0.18	n/a	260	n/a	7.5	6	10	60
Toluene	0.87	n/a	490,000	n/a	100	10	10	100
Xylene	0.48	n/a	58,000	n/a	1000	30	10	300
Benzo(a)anthracene	0.72	n/a	15	n/a	0.00048	3.4	10	34
Benzo(a)pyrene	0.76	n/a	1.5	n/a	0.02	3.4	10	34
Benzo(b)fluroanthene	0.72	n/a	15	n/a	0.00048	6.8	10	68
Di-Benz(a,h)anthracene	0.14	n/a	1.5	n/a	0.00048	8.2	10	82
Indeno(1,2,3-cd)pyrene	0.43	n/a	15	n/a	0.00048	3.4	10	34
Arsenic	5.79	0.29	67	5	0.01	5 (TCLP)	10	50 (TCLP)
Lead	138	6.91	40,000	5	0.05	0.75 (TCLP)	10	7.5(TCLP)

a/ USEPA Toxicity Characteristic Leaching Procedure (TCLP) limit
b/ USEPA Regional Screening Level, TR=1E-06 and THQ=1.0
c/ Colorado Basic Standard for Groundwater
n/a = not available.

Color indicates passing criteria
TCLP
value is likely less than 5.

Table 2 - Preliminary Discharge Limits for South Platte River, Segment 14

Parameter	South Platte River Segment 14 Hardness (mg/L)	Stream Segment Standard (ug/L)	Max daily (acute) (ug/L)	Max daily (acute trout) (ug/L)	Monthly Average (chronic) (ug/L)	Monthly Average (chronic trout)(ug/L)	GW Quality - Open Channel Alignment (ug/L)
pH	250	6.5-9 s.u.					
CN	250	5					
As	250		340 (potentially dissolved)		3 (Trec)[a/]		2.0 - 2.3 (diss)[b/]; 2.0 - 15.4 (total)[c/]
Cd	250		6.1	3.8	0.8		0.2 - 0.25 (diss); 0.24 - 15.4 (total)
Cr(III)	250		1207		157		
Cr(IV)	250		16		11		
Cu	250		1036		640		2.7 - 3.7 (diss); 2.8 - 3.2 (total)
Fe	250				1000 (Trec)		23300
Pb	250		172		7		0.0 - 0.14 (diss); 0.25 - 0.55 (total)
Mn	250		4051		2238		775 - 2140 (diss)
Hg	250				0.01 (total)		
Ni	250		1017		113		
Se	250		18.4		4.6		
Ag	250		10		1.5	0.4	
Zn	250		313		271		12 - 14 (diss); 14 - 19 (total)
Tetrachloroethene			0.69		0.69		1 - 24.8
Trichloroethene			2.5		2.5		<2 - 5.8
Chloroform			3.4		3.4		1.1 - 3.1

[a/] Trec = Total recoverable

[b/] Diss = Dissolved (filtered)

[c/] Total = Total dissolved and suspended (unfiltered)

No Treatment Required

Filtration Required to Remove Suspended Metal

Treatment Required to Remove Dissolved Metal

Aeration Required to Remove VOCs

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Table 3 - Preliminary Discharge Limts for South Platte River, Sebment 16c (Sand Creek)

Parameter	South Platte River Segment 16c (Sand Creek) Hardness (mg/L)	Segment Standard (ug/L)	Max daily (acute) (ug/L)	Max daily (acute trout) (ug/L)	Monthly Average (chronic) (ug/L)	Monthly Average (chronic trout)(ug/L)	GW Quality - Open Channel Alignment (ug/L)
pH	400	6.5-9 s.u.					
CN	400	5					
As	400		340 (potentially dissolved)		100 (Trec)[a/]		2.0 - 2.3 (diss)[b/]; 2.0 - 15.4 (total)[c/]
Cd	400		9.1	5.7	1.2		0.2 - 0.25 (diss); 0.24 - 15.4 (total)
Cr(III)	400		1773		231		
Cr(IV)	400		16		11		
Cu	400		1613		956		2.7 - 3.7 (diss); 2.8 - 3.2 (total)
Fe	400				1000 (Trec)		23300
Pb	400		281		11		0.0 - 0.14 (diss); 0.25 - 0.55 (total)
Mn	400		4738		2618		775 - 2140 (diss)
Hg	400				0.01 (total)		
Ni	400		1513		168		
Se	400		18.4		4.6		
Ag	400		22		3.5	0.8	
Zn	400		467		405		12 - 14 (diss); 14 - 19 (total)
Tetrachloroethene			0.69		0.69		1 - 24.8
Trichloroethene			2.5		2.5		<2 - 5.8
Chloroform			3.4		3.4		1.1 - 3.1

[a/] Trec = Total recoverable

[b/] Diss = Dissolved (filtered)

[c/] Total = Total dissolved and suspended (unfiltered)

No Treatment Required

Filtration Required to Remove Suspended Metal

Treatment Required to Remove Dissolved Metal

Aeration Required to Remove VOCs