CONTAMINANT CONCENTRATION ANALYSIS

Samples should be analysed for the concentration of contaminants detailed in the Table 3 of the *Landfill Waste Classification and Waste Definitions 1996* (As amended December 2009). All analysis should be undertaken by a NATA accredited laboratory. The average concentration and standard deviation of all samples should be entered into the table below.

If the Applicant believes a contaminant listed in Table 3 is not relevant to the waste type, they should contact the Shire to discuss analysis requirements.

Contaminant	Maximum contaminant threshold (CT) values (Class II)	Average Concentration	Standard Deviation (SD)	Average Concentration + 1 SD	Does the 'Average + 1 SD' exceed the maximum CT value?		
Metals (mg/kg)							
Arsenic	14						
Beryllium	2						
Cadmium	0.4						
Chromium (Hexavalent)	10						
Lead	2						
Mercury	0.2						
Molybdenum	10						
Nickel	4						
Selenium	2						
Silver	20						
Other Inorganic Species (mg/kg)							
Cyanide (amenable)	7						
Cyanide (total)	16						
Fluoride	300						
Non-Chlorinated Organics	s (mg/kg)						
Benzene	0.2						
Cresols (total)	400						
2,4-D	0.02						
Ethylbenzene	60						
Petroleum hydrocarbons (mg/kg)							
Phenol (total, non- halogenated)	28.8						
Polycyclic aromatic hydrocarbons (total) (mg/kg)							
Styrene (vinyl benzene)	6						
Toluene	160						
Xylenes (total)	120						
Other metals (% by weight)							

<<Form Path>>

Contaminant	Maximum contaminant threshold (CT) values (Class II)	Average Concentration	Standard Deviation (SD)	Average Concentration + 1 SD	Does the 'Average + 1 SD' exceed the maximum CT value?
Aluminium	5				
Barium	5				
Boron	5				
Cobalt	5				
Copper	5				
Manganese	5				
Vanadium	5				
Zinc	5				

LEACHABLE CONCENTRATION AND TOTAL CONCENTRATION ANALYSIS

If the 'average contaminant concentration plus one standard deviation' (Column 5 of Section 4) exceeded the Maximum Class II Contaminant Threshold value (Column 2 of Section 4) for any contaminant, the Applicant should have the samples analysed for the leachable (ASLP) concentrations and total concentrations (CL) of the relevant contaminant/s.

All analysis should be undertaken by a NATA accredited laboratory in accordance with Table 4 of the Landfill Waste Classification and Waste Definitions 1996 (As amended December 2009).

The results of this analysis should be summarised in the table below.

Contaminant	ASLP: Average (mg/L)	ASLP: Standard Deviation (mg/L)	CL: Average (mg/kg)	CL: Standard Deviation (mg/kg)