Waste Acceptance Criteria Testing BS EN 12457
Part 3, 2 Stage Process
Issue 1

Sample Details		Test Values	
Sample Number	10577709	Mass of Raw Test Portion (MW) kg	0.180
Job Number	516762	Mass of Dried Test Portion (MD) kg	0.175
Sample ID	Sample 1	Moisture Content Ratio (MC) %	3.30
Site	Hysand UK Ltd	Dry Matter Content Ratio (DR) %	97
Job Description	LHL - WAC Analysis	Leachant Volume (1) (L2) Litre	0.344
Date Sampled		Leachant Volume (2) (L8) Litre	1.400
Date Received	19/05/2008	Eluate Volume (1) (VE1) Litre	0.293
Particle Size (<4mm)	>95%	Eluate Volume (2) (VE2) Litre	1.295
Method of size reduction	N/A		
Non-crushable matter	N/A		

Eluate Analysis	Concentration in Eluate		Amount Leached		*Landfill Waste Acceptance Criteria*		
Liquid : Waste Ratio	2:1	8:1	2:1	10:1	*BS EN 12457-3 Limit Values (mg/kg) at L:S 10:1*		
Sample Number	10577710	10577711					
pH	8.02	8.11					
Temperature °C	16	20					
Conductivity uS/cm	168.8	47.3					
	mg/l	mg/l	mg/kg	mg/kg	*Inert Waste*	*Stable Non-Reactive hazardous waste in non-hazardous*	*Hazardous Waste*
Arsenic as As	0.013	<0.0050	0.026	**<0.06**	*0.5*	*2*	*25*
Barium as Ba	0.015	<0.010	0.030	**<0.11**	*20*	*100*	*300*
Cadmium as Cd	<0.00010	<0.00010	<0.00020	**<0.0010**	*0.04*	*1*	*5*
Chromium as Cr	0.0041	<0.0025	0.0082	**<0.028**	*0.5*	*10*	*70*
Copper as Cu	0.011	<0.010	0.022	**<0.10**	*2*	*50*	*100*
Mercury as Hg	<0.00050	<0.00050	<0.00100	**<0.0050**	*0.01*	*0.2*	*2*
Molybdenum as Mo	<0.0020	<0.0020	<0.0040	**<0.020**	*0.5*	*10*	*30*
Nickel as Ni	<0.020	<0.020	<0.040	**<0.20**	*0.4*	*10*	*40*
Lead as Pb	<0.010	<0.010	<0.020	**<0.10**	*0.5*	*10*	*50*
Antimony as Sb	<0.0060	<0.0060	<0.0120	**<0.060**	*0.06*	*0.7*	*5*
Selenium as Se	<0.010	<0.010	<0.020	**<0.10**	*0.1*	*0.5*	*7*
Zinc as Zn	<0.025	<0.025	<0.050	**<0.25**	*4*	*50*	*200*
Chloride as Cl	9.5	<2.0	19.0	**<33**	*800*	*15000*	*25000*
Fluoride as F	<0.20	<0.20	<0.40	**<2.0**	*10*	*150*	*500*
Sulphate as SO_4	<24	<24	<48	**<240**	*1000*	*20000*	*50000*
Total Dissolved Solids (TDS)	<200	<200	<400	**<2000**	*4000*	*60000*	*100000*
Phenol Index	<0.050	<0.050	<0.100	**<0.50**	*1*		
Dissolved Organic Carbon (DOC)	21	4.0	42	**68**	*500*	*800*	*1000*
Waste Analysis							
Total Organic Carbon w/w %				**1.3**	*3%*	*5%*	*6%*
Loss on Ignition %				**1.7**			*10%*
BTEX mg/kg				**<0.10**	*6*		
PCBs (7 congeners) mg/kg				**<0.10**	*1*		
Mineral Oil (C10 - C40) mg/kg				**14000**	*500*		
PAHs mg/kg				**2.0**	*100*		
pH				**9.2**		*>6*	
Acid Neutralisation Capacity (pH4) mol/kg				**0.022**		*To be evaluated*	*To be evaluated*
Acid Neutralisation Capacity (pH7) mol/k(				**0.0034**		*To be evaluated*	*To be evaluated*

Disclaimer : The Landfill Waste Acceptance Criteria limits in this report are provided for guidance only. STL does not take responsibility for any errors or omissions. Data is correct as of 01/05/2005

Additional Eluate Analysis	Concentration in Eluate		Amount Leached	
	2:1	8:1	2:1	10:1
	mg/l	mg/l	mg/kg	**mg/kg**

Additional Waste Analysis	Units	Result
Conductivity @ 20 C	uS/cm	**230**
Moisture at 105c	%	**3.2**

Sample Comments	
10577709	
10577710	
10577711	