





VTT TECHNICAL	RESEARCH CENTRE OF FINLAND	27/10/2011	4	-√vπ				
Use of pH if a waste contains NO free water								
•	The pH of the waste is a risk based approach (re without a use scenario is meaningless)	levance	of pH					
	Numerous test methods have been developed for pH from solid materials for a specific purpose (e. textiles, pigments, rubber,sludges, petrolium proc	or measu .g. soil, s ducts, co	reme orben mpos	nt of its, st)				
•	In CEN TC 292 "Characterization of waste" no sp been developed - pH is measured from eluates r method developed for a specific scenario/purpos	pecific m elated to se of the	ethod test testin	has g				
•	pH is an important parameter measured in leach of the leaching test depends on e.g. the waste pr (granular/shaped), the conditions to be addresse (L/S-ratio etc)	ing tests roperty d in the t	– chơ testing	pice g				
•	Pretreatment needs to be taken into account in the test results; e.g. grinding/cutting, homogenizative waste properties significantly	he interp ation may	retatio y cha	on of nge				







ECHNICAL RESEARCH CENTRE OF FINLAND 27/10/2011							
Critical alkaline waste streams - examples							
Waste type	EWC codes (examples)	Typical pH range	Remarks	Amount in Finland			
Reclamed concrete (demolition waste)	10 13 14, 17 01 01, 19 12 12	pH > 12 (fresh waste)	Fresh concrete surface	0,5 – 1 Mill. t/a			
Fly ash from wood and peat combustion	10 01 02, 10 01 03, 10 01 17	pH > 12	Wood ash typically contains potassium hydroxide	0,4 Mill. t/a			
APC residues	19 01 07* 19 01 13* 19 01 14	pH > 12	Access of unreacted lime added in the flue gas treatment system	0,1 Mill. t/a			
Steel slag	10 02 01 10 02 02	pH > 12		0,2 Mill. t/a			
Bottom ash from MSWI	19 01 11* 19 01 12	pH > 10		Appr. 0,3 Mill. t/a			
Dust (foundry, metallurgical)	10 10 09* 10 10 10	pH > 10					

