Table II.1 SOME SELECTED ASPECTS OF AEROBIC ANS ANAEROBIC DECOMPOSITION

Table 11.1 Some Septected Aspects of Mekobic AMS AMAEKOBIC Decomposition			
AEROBIC DECOMPOSI	CION	ANAEROBIC DECOMPOSITION	
40-60%		% to less than 50% although ss than ~75 % results in very slow activity	
Particle Size for both, generally speaking, the smaller the size, the quicker the process			
large amoun	ts necessary	fatal	
Reduction in for both, under controlled conditions, loss of dry-weight carbon can be over 60% of that in the original material			
		generally between 30-40% of blogas is CO <sub>2</sub>	
<pre>[usually close) as N<sub>2</sub> or NH<sub>3</sub> wi control; nitrate</pre>	r to 25%] r thout close es dominant	recovery of essentially all original; ammonia	
[The problem give the biolog Thus the only	is that none of ically "decompo way to really	f the usual laboratory tests osable quantities of C or N. determine these levels is	
Other Nutirents potential leaching of soluable very well maintained forms in uncovered piles			
pH final products from both processes are neutral to slightly alkaline			
largely rele as heat	eased	largely contained in the methane produced	
Time Required both can be accomplished in days [or less for digestion of very dilute organic waters] under very controlled conditionsusually weeks or months, although years are required for complete decomposition			
all materials :	reach >55	very significant, although a subsequent composting of the sludge is necessary for total destruction [espicially of Ascaris eggs]	
	AEROBIC DECOMPOSIT  40-60%  for both, gen  large amound  for both, under carbon can be of carbon can be of carbon can be of control; nitrate in the final give the biology. Thus the only to check the local forms in under carbon can be accorded to the carbon can be accorded to check the local carbon can be accorded to check can be accorded to conditions—us require—	AEROBIC DECOMPOSITION  40-60% 994 less  for both, generally speaking quicker the properties of the properties	

(Based on innumerable sources)