







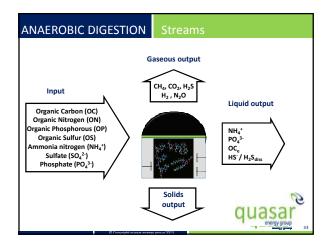
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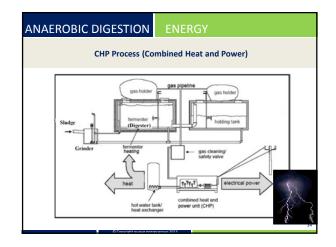




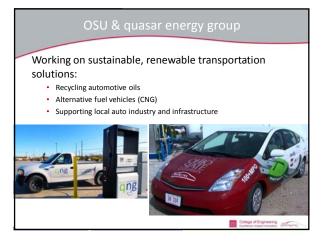
ANAEROBIC DIG	ESTION	Vastewater	Treatment	
Characteristics of So	me Wastewate	rs from the Food	Processing Indus	try
Industry	BOD	TSS	рН	]
	(mg/L)	(mg/L)		
Brewery	850	90	4 - 6	
Cannery	2,000	7,000	ACID	
Diary	600 - 1,000	200 - 400	ACID	
Potato Processing	2,000	2,500	11 – 13	
Sugar Beet	450 - 2,000	800 - 1,000	7 - 8	
Slaughter House	1,500	800	7	
Silage	2,500 - 50,000	Low	ACID	
	D Coovright quasar energy group	2013		

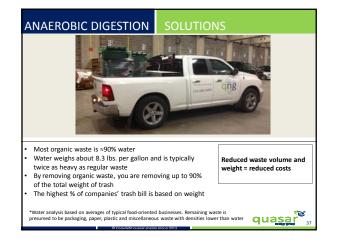


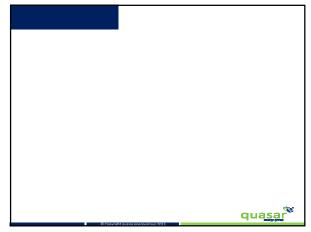


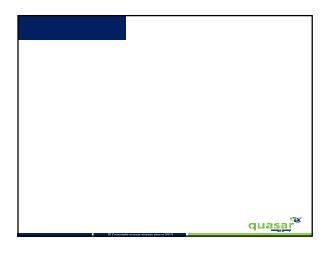


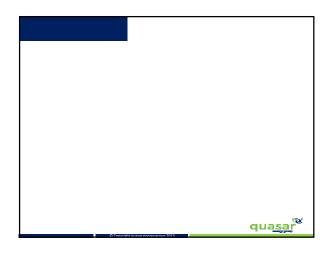
AEROBIC DIGESTION ENERGY Gasoline Gallon Equivalents (gge)					
Gasoline (regular)	Gallon	114,100	1.00 gallon		
Diesel #2	Gallon	129,500	0.88 gallons		
Ethanol (E85)	Gallon	81,800	1.39 gallons		
Compressed Natural Gas	Cubic foot	900	126.67 cu. ft.		
Liquid Natural Gas	Gallon	75,000	1.52 gallons		

















Depackaging equipment presents a new opportunity to capture organic materials from products with recyclable packaging such as:

 Dupps depackaging equipment in Zanesville, Ohio

 • glass bottles
 • aluminum cans

 • plastic bottles, wrappers
 • containers

 • quasar has been actively conducting depackaging trials at our Wooster and Zanesville anaerobic digestion facilities since 2010.

Depackaging

ops depackaging equipment in Zanesville

quasar 43

