Checklist to Evaluate the Likelihood of Heated Manure Digestion System Success

	Key Issues	YES/NO
Site Permanency	Projected facility life is less than 10 years	
Bedding	Sand (dairy)	
Confinement	Dairy: animals on pastured or on drylots more than 10% of the time	
	Hogs: "all in-all out"	
Storage	Storage and collection pit the same	
Manure removal	Flush	
Site Development	Problem finding 150X150 area for system	
Limitations		
Water managed	No water meter or meter is unread	
	Rainwater comes in	
	Dairy: parlor holding area hosed down, not scraped*	
	Parlor tankroom water flows to manure pit*	
Management	Is there question who will be incharge	
	Problem finding a good Farm Mechanic or service company	

NOTE: Any "YES" in the above list is an area which may require costly changes that reduce likelihood of system success.

^{*}Is the producer willing to make necessary changes?

Weighted Issues (Select the best description, place corresponding Weight value in the Selection column, add Selection values, compare with guideline Interpretation below)						Selectio n
Why install a	"A good ide	ea"			1	
Digester?	Environmental Concerns				3	
	Financial benefit				6	
Animal numbers	Holsteins	Farrow/ Finish	Farrow/Wean	Finish		
	< 300	< 500	<1000	<3000	1	
	300-500	500-1000	1000-2500	3000-5000	3	
	500-1000	1000-1500	2500-5000	5000-10000	6	
	>1000	>1500	>5000	>10000	8	
Electric rate,	<\$0.05				1	
Actual/ kWh	\$0.05-0.06				3	
charge	\$0.06-0.07				6	
	>\$0.07				8	
Floor heating	In use in the production areas (and parlor holding area)					
Fuel rate, average	<\$0.50/gal Propane <\$3.00/1000 CuFt Natural gas			1		
	\$0.50-\$0.75/gal Propane \$3.00-\$4.00/CuFt Natural gas				2	
	\$0.75-\$1.00/gal Propane \$4.00-\$5.00/CuFt Natural gas				4	
	>\$1.00/gal Propane >\$5.00/CuFt Natural Gas				6	
Use depreciation	No				0	
On taxes	Partial				3	
	Entirely				8	
Score						

Interpretation: 0-20 = success questionable, 21-35= success possible, 35-46= greatest chance of success Copyright ENVIRONOMICS 11/03/99

NOTICE: This checklist is intended to highlight issues which may impact digester success and is not intended to be used as a final decision making tool; experienced professionals should be consulted for thorough evaluation before making final decisions