



PROJECT: Cold Springs Farms - Stone House Lots  
PROJECT NO.: 238-08012A  
COMPUTATION BY: JEO DATE: 8/25/09 SH. NO.: 1  
CHECKED BY: DATE: OF: 1

Subject: Animal Waste Produced

Animal Data												
Actual			ASAE D384.2		Manure			VS		TS		AU
Animals	Quantity	Weight lbs	Manure cf/d-a	Weight lbs	Manure cf/d/AU	Manure CF/day	lbs/d/AU	lbs/day	lbs/d/AU	lbs/day		
1 Feeders	150	801	1.05	900	1.17	140.2	6.00	720.9	6.00	720.9	120.2	
2 Feeders	150	801	1.05	900	1.17	140.2	6.00	720.9	6.00	720.9	120.2	
3 Feeders	110	899	1.05	900	1.17	115.4	6.00	593.3	6.00	593.3	98.9	
4 Feeders	90	899	1.05	900	1.17	94.4	6.00	485.5	6.00	485.5	80.9	
5			0.00	0	0.00	0.0	0.00	0.0	0.00	0.0	0.0	
6			0.00	0	0.00	0.0	0.00	0.0	0.00	0.0	0.0	
7			0.00	0	0.00	0.0	0.00	0.0	0.00	0.0	0.0	
8			0.00	0	0.00	0.0	0.00	0.0	0.00	0.0	0.0	
9			0.00	0	0.00	0.0	0.00	0.0	0.00	0.0	0.0	
Total	500					490		2521		2521	420	

Rainfall Data	
County, State	JoDaviess, Illinois
Precip for storage period	34.9 in
Annual Lake Evap	32.5 in
% Evap for storage period	100%
1 Yr 2 Hr Storm Event	1.52 in
2 Yr 24 Hr Storm Event	3.11 in
25 Yr 24 Hr Storm Event	5.6 in
Storage Period	12.0 Months
VS Loading Rate	
ODOR Loading Rate	

Rainfall Data (Indiana Only)	
Location	JoDaviess, Illinois
50 Yr 24 Hr Storm Event	6.5 in
IDEM 50 Yr 24 Hr Storm	6.0 in
Greater of Storm Events	6.5 in

Location Data																												
Animals	Holding Pond					Covered Stack					Uncovered Stack					Rect. Tank						Circular Tank				Pasture	Settling Basin	
	E16	E17				E9C	E9H				E9A	E9B	E9F	E9G														E18
1: Feeders	29%	29%				6%					36%																	
2: Feeders	29%	29%				6%						36%																
3: Feeders	20%	14%					11%						55%															
4: Feeders	19%	20%					11%							50%														
Parlor																												
Sprinkler																												
Waters																												
Silage leach																												
Other																												
Solid Removal																												
Lagoon treat																												
Runoff	50%	50%																										
25Y Runoff	50%	50%																										
Solid Stored																												
Wash Water																												
Flush Water																												
Bedding																												
50Y Runoff																												

\*Values calculated above are based on data from the Livestock Waste Facilities Handbook

