

New Mexico - (Lovington)

FY 2003 Livestock Manure Management Concern - Ranking Criteria Worksheet

Applicant _____ Farm No. _____ Tract No. _____ CMS Field No's. _____ Date _____

___ Tribal Land ___ Non-Tribal Land Facility Status: A ___ B ___ or C ___ (see bottom of sheet)

1. Distance to Surface Water or Well - 10 Potential Points (10% of Total)

		Points	Benchmark	After
Determine the shortest distance from the livestock facility to the nearest downstream surface water or any well. Surface water may include a perennial or intermittent stream, river, lake, pond, irrigation canal, or wetland.	<100 Ft.	10	0	
	101-250 Ft.	8	0	
	251-500 Ft.	6	0	
	501-1,320 Ft.	4	0	
	>1,320 Ft.	2	0	

2. Depth to Seasonal Water Table - 10 Potential Points (10% of Total)

		Points	Benchmark	After
Determine the least distance from the ground surface to the top of the seasonal water table or aquifer at the livestock facility. Use information from on-site investigations, soil surveys, well completion reports, producer information, etc.	<10 Ft.	10	0	
	11-50 Ft.	8	0	
	51-100 Ft.	6	0	
	101-200 Ft.	4	0	
	>200 Ft.	2	0	

3. Monitoring Well Nitrate Contamination - 10 Potential Points (10% of Total)

		Points	Benchmark	After
Determine level of nitrate contamination based on analyses for monitoring wells located hydrologically down-gradient from livestock facility and/or manure application field.	0-5 ppm	2	0	
	5-9 ppm	4	0	
	10-15 ppm	6	0	
	15-20 ppm	8	0	
	>20 ppm	10	0	

4. Status of Current Manure Facility/Operation - 40 Potential Points (40% of Total)

See instructions on next page.		Max. Points	Benchmark	After
Collection and Transport	Adequate	10		
	Exists, inadequate	5		
	Nonexistent	0		
Storage and Treatment	Adequate	10		
	Exists, inadequate	5		
	Nonexistent	0		
Seepage	Adequate	20		
	Exists, inadequate	10		
	Nonexistent	0		

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5. Manure Utilization [On-Site Land Application A through D - 30 Potential Points (30%)] OR [Off-Site Land Application and Other Manure Utilization E - 30 Potential Points (30%)]

See instructions on next page.						Max. Points	Benchmark	After	
Extra High = 0 Pts High =2 Pts Med. = 4 Pts Low =5 Pts						5			
A. Animal Density Status/Change									
B. Phosphorus Risk (Current/Planned)		Very High 0 Pts	High 2 Points	Medium 3 Points	Low 4 Points	Very Low 5 Pts	5		
C. Potential for Leaching									
Yes = 0 Points			No =5 Points			5			
D. Irrigation Efficiency (Use FIRS to evaluate)									
		% of Area in Contract (present condition)	% of Area in Contract (planned condition)		Max. Points	Benchmark	After		
1-20%					0				
21-30%					2				
31-40%					4				
41-50%					6				
51-60%					8				
61-70%					10				
71-80%					12				
>80%					15				
OR			OR			OR			
E. Off-Site Land Application and Other Utilization: Waste Utilization Practice in Place		Yes = 0 Points	No =30 Points		30				
						Total After Points			
						minus Total Benchmark Pts			
						equals Total Pts for Ranking			
Designated Conservationist _____				Date _____					
A - Existing facility needing improvements B - Expansion of existing facility C - Development of new facility									

In the event of a tie in score the following will be used.
Age of Dairy _____ (one point per year)