

APPENDIX A

Environmental Stewardship Assessment: Feedlots with discharge

For each issue listed in the left column, read across to the right, determine the appropriate risk factor, and place that number (1-10) in the far right column. Next, add the numbers in that column and then refer to the table below to determine your relative environmental risk.

Assessment Categories	Risk Factor						Your Risk Factor
	Lower ←					→ Higher	
	1	3	5	7	9	10	
What is the animal unit capacity of the animal feeding operation?	< 50	50-99	100-299	300-499	500-699	> 700	
What is the pen slope in percent?	< 1	1-1.9	2-2.9	3-3.9	4-4.9	> 5	
What is the slope from the pen to the nearest protected surface water body* in percent?	< 1	1-1.9	2-2.29	3-3.9	4-4.9	> 5	
What is the distance from the pens to the nearest protected surface water body* in ft?	> 4,000	2,000-3,999	1,000-1,999	500-999	250-499	< 250	
How many months each year will the facility contain animals?	0-2	3-4	5-6	7-8	9-10	11-12	
What kind of soil is between the pens and the nearest protected surface water body?	sand	sandy loam	silt loam	silty clay loam	clay loam	clay	
What kind of vegetative cover grows in the buffer area below the pens?	tall, dense grass cover	short or thin grass	cropland > 50% residue	cropland 30%-50% residue	cropland 10%-30% residue	no crop < 10% residue	
How does the size of the buffer area below the feedlot pen compare to the size of the feedlot?	6 x	5 x	4 x	3 x	2 x	1 x	
How much extraneous drainage (other areas that drain through the lot) exists compared to the size of the pens?	1 x	2 x	3 x	4 x	5 x	> 6 x	
What is the average annual rainfall in inches?	< 20	20-24	25-29	30-35	36-40	> 40	
What is the maximum 25-yr, 24-hr rainfall in inches?	< 4	4	5	6	7	> 7	
To obtain Total Risk Factor, add all of the above risk factors.							

*Creek, pond, or lake

Score	Relative Environmental Risk
20 or less	Feedlot operation poses minimal pollution risk.
21-40	Some changes in feedlot management may be necessary to reduce pollution risk.
41-60	Operation may have acceptable pollution risk; however, any change in site size or management may result in a significant, additional pollution risk.
61 or greater	Feedlot operation is likely to be a significant pollution risk.