

## APPENDIX D

### Environmental Stewardship Assessment: Operation and Management

For each issue listed in the left column, read across to the right and circle the statement that best describes conditions on your farm. If any categories do not apply, leave them blank.

Issue	High Risk Risk 4	High to Moderate Risk Risk 3	Moderate to Low Risk Risk 2	Low Risk Risk 1
<b>1. Is a written management plan maintained for...</b>				
Storage operation and maintenance?	No	Yes but not accessible to all key employees		Yes and accessible to all key employees
Storage inspection?	No	Yes but not accessible to all key employees		Yes and accessible to all key employees
Emergency response plan?	No	Yes but not accessible to all key employees		Yes and accessible to all key employees
<b>2. Are records maintained for...</b>				
Timing of storage pumping and storage liquid levels?	No	Yes, partial records are available.		All pumping events and monthly liquid levels are recorded.
Facility and equipment maintenance?	No	Yes, partial records are available.		Yes, all maintenance is recorded.
Regular facility inspections?	No	Yes, partial records are available.		Yes
<b>3. Frequency of storage facility inspection?</b>				
Manure transfer (barn to storage) and recycle systems?	No	Less frequently	Weekly	Daily OR Sensor installed to shut pump down in case of pipe blockage.
Liquid levels?	No	Less frequently	Monthly	Weekly
Cracks and resulting seepage through concrete (concrete storage)?	No	Less frequently	Quarterly	Monthly
Storage liner erosion or damage (earthen storage)?	No	Less frequently	Quarterly	Monthly
Berm sod cover and erosion (earthen storage)?	No	Less frequently	Quarterly	Monthly
Tree and large weed growth (earthen storage)?	No	Less frequently	Quarterly	Monthly
Burrowing animal damage (earthen storage)?	No	Less frequently	Quarterly	Monthly
Odor intensity?	No	Less frequently	Quarterly	Monthly
Seepage near outside toe of berms and around pipes through the berm (earthen structures)?	No	Less frequently	Quarterly	Monthly
Electrical conductivity (anaerobic lagoons)?	No measurement OR Readings > 12 mmho/cm	Infrequent measurements OR Readings between 10 and 12 mmho/cm	Quarterly AND Readings between 8 and 10 mmho/cm	Quarterly AND Readings < 8 mmho/cm
Surface water drainage away from storage structure?	No		Less frequently	Quarterly

## APPENDIX D

### Environmental Stewardship Assessment: Operation and Management (continued)

Issue	High to High Risk Risk 4	Moderate to Moderate Risk Risk 3	Low Risk Risk 2	Low Risk Risk 1
<p>4. An inspection today of the storage facility would reveal the following critical issues. Complete the Manure Storage Checklist in Appendix A of Lesson 24, Operation and Maintenance of Manure Storage Facilities, to identify specific current concerns.</p>				
a.				
b.				
c.				
d.				
e.				
f.				
g.				
h.				