

Poultry Litter Storage Site Evaluation Worksheet

Name: _____ Date: _____
 Address: _____ Permit: _____
 City/State/Zip: _____ Site No.: _____
 Location S-T-R: _____
 Inspector: _____ Title: _____
 County: _____

Additional Comments:

Section A. Surface Water Protection	Factor	Comments
1. Capacity (tons)		tons
< 50	1	
50 - 99	3	
100 - 299	5	
300 - 499	7	
500 - 699	8	
700 - 999	9	
2. Site Slope		%
< 1.0%	1	
1.0 - 1.9%	3	
2.0 - 2.9%	5	
3.0 - 3.9%	7	
4.0 - 4.9%	9	
3. Slope to occasional or frequent flooding soils.		%
< 1.0%	1	
1.0 - 1.9%	3	
2.0 - 2.9%	5	
3.0 - 3.9%	7	
4.0 - 4.9%	9	
≥ 5.0%	10	
4. Distance to occasional or frequent flooding soils.		feet
> 5280'	1	
4000 - 5279'	2	
2640 - 3999'	4	
1000 - 2639'	5	
500 - 999'	7	
100 - 499'	9	
< 100'	10	
5. Storage period (months per year)		months per year
<1 to 1 = 1		
>1 to 2 =		
>2 to 3 = 3		
>3 to 4 = 4		
>4 to 5 = 5		
>5 to 6 = 6		
> 6 months per year =	9	
6. Soils type between sites and flooding soils (see 4)		
Clay	9	
Silty Clay	7	
Silt	5	
Silty Sand	3	
Sand	1	
7. Buffer type		
Dense cover of grass	1	
Grass with woody plants	4	
Cultivated crop ground	6	
Bare earth	10	
8. Buffer Size		to 1 Buffer to site ratio
> 2 x stack site area	1	
1 - 1.9 x stack site area	4	sq ft of stack site
0.5 - .99 x stack site area	7	Sq ft of buffer
< 0.5 x stack site area	10	
9. Extraneous Drainage		to 1 drainage to site ratio
< 1 x site area	1	
1.0 - 2.9 x site area	4	sq ft of stack site
3 - 4.9 x site area	7	sq ft in drainage area
≥ 5 x site area	9	
10. Annual Rainfall		43,560 sq ft/acre inches
< 20"	1	
20 - 24.99"	3	
25 - 29.99"	5	
30 - 34.99"	7	
35 - 39.99"	9	
≥ 40"	10	
11. Rainfall Intensity (25-Yr. 24-Hr. Storm)		Inch / 25-yr. 24 Hr Storm
< 4.5"	1	
4.5 - 4.99"	3	
5 - 5.49"	5	
5.5 - 5.99"	7	
6 - 6.49"	9	
≥ 6.5"	10	
Section A Total:		60 or less is desired

Section B. Groundwater Protection	Factor	Comments
1. Capacity (tons)		Tons
< 50	1	
50 - 99	3	
100 - 299	5	
300 - 499	7	
500 - 699	8	
700 - 999	9	
2. Annual Rainfall		inches
< 20"	1	
20 - 25"	3	
25 - 30"	5	
30 - 35"	7	
35 - 40"	9	
> 40"	10	
3. Depth to groundwater		feet
> =150'	1	
25 - 149'	3	
10 - 24.9'	6	
5 - 9.9'	8	
< 5'	10	
4. Soils receiving runoff		
Clay	1	
Silty Clay	3	
Silt	5	
Silty Sand	7	
Sand	9	
5. Distance to nearest well (water, gas, oil) potentially impacted (down gradient)		feet
> 600'	1	
200 - 599'	3	
100 - 199'	5	
50 - 99'	7	
0 - 49'	9	
0	10	
Section B Total:		25 or less is desired

Section C. Additional information to consider	Yes / No
1. Is there a perennial, intermittent or ephemeral stream through the litter storage site.	
2. Is there a residence within 1320 ft ?	
3. Is site slope 5.0% or greater?	
4. Is any part of the site within the 100 Yr floodplain ?	
5. Is site slope greater than 3.0% ?	
6. Is the distance to potential stream or surface water less than 300 ft?	
7. Is the storage length greater than 9 month?	
8. Is the extraneous drainage area greater than 1/2 the site area ?	
9. Is there a well within less than 200 ft from the storage site?	

Section D. Special Conditions	Yes/No
1. Springs, seeps, rock outcrops in sites or direct runoff area	
2. Located in sensitive groundwater area	
3. Is the protected water body an Outstanding National Resource Water, Exceptional State Water, or Special Aquatic Life Use Water?	

Section E. Evaluation
 Section A - If sum of risk values > 60 is a significant pollution potential this is **not an acceptable site**.
 Section B - If sum of risk values > 25 is a significant pollution potential this is **not an acceptable site**.
 Section C - If answer to C1, C2 or C3 is "Yes" this is **not an acceptable site**.
 If the answer to C4, C5, C6, C7, C8 or C9 is "Yes" this is **not a recommended**
 Section D - construction of storage site to meet KDHE permeability requirements for compaction to protect groundwater. If a temporary site, maximum storage time is limited to 90 days per year."
 b. If D3 is "Yes" and the total in Section B is > 50, this is not an acceptable site