

## Watershed Restoration and Protection Strategy (WRAPS) DEMONSTRATION PROJECT - TEMPORARY POULTRY LITTER STORAGE AREA SPECIFICATIONS

The goal of this project is to provide environmentally friendly all-weather site(s) for temporary poultry litter storage that minimizes nutrient runoff potential to any Waters of Kansas or sensitive areas. In many cases it may include, an adequate service entrance and road to the storage site(s) which will allow litter truck unloading on desirable sites even during inclement weather. An additional goal of the project is to educate landowners and producers on proper poultry litter storage and application techniques.

In order to receive costshare through this program, landowners will need to follow the below listed requirements:

- Landowner will submit annual soil sample of application fields to the WRAPS coordinator (0 to 6 inch depth) for the expected life of the Temporary Poultry Litter Storage Site (10 years).
  - If the annual soil sample is below 50 parts per million (ppm) Total Phosphorus, the landowner can continue to apply poultry litter at a rate that maintains a concentration that is equal to or **less than 50 ppm Total Phosphorus**.
  - If the annual soil sample is above 50 ppm Total Phosphorus, the landowner will need to complete an NRCS 590 Nutrient Management Plan.
- The landowner will **incorporate the litter into the soil within a 24 hr.** (weather permitting).
- Poultry litter should **not be applied closer than 100 feet to any down-gradient surface water**, open tile line intake structure, sinkhole, agricultural well head, or other conduits to surface or ground water. A 35-foot wide vegetative buffer that does not receive any nutrient applications can be substituted for the 100 ft setback.

Landowner signature \_\_\_\_\_ Date \_\_\_\_\_

WRAPS Coordinator signature \_\_\_\_\_ Date \_\_\_\_\_

### Litter Storage Site Criteria for Demonstration Projects.

- 1) Elevated earthen pad to eliminate “ponding” effect.
- 2) Extraneous drainage will be diverted around the storage site.
- 3) 4”-6” of Agricultural Lime or equivalent will need to be added to provide an elevated level pad to store poultry litter. Cost share payment will be based on the actual cost of lime or equivalent and necessary equipment hours for elevating and leveling the temporary poultry litter storage site.

### Storage Site Size Estimates

<u>Size</u>	<u>Approximate Tonnage</u>	<u>Approximate Acres @ 2 Ton/ac App.</u>
100' x 100'	400- 500	200 - 250
100' x 200'	800	400 - 500

### Poultry litter Storage Site Evaluation Worksheet for Demonstration Projects

- 1) Proposed storage sites will be scored utilizing the Poultry Litter Storage Site Evaluation Worksheet. The Worksheet will score pollution potential of surface water, ground water, sensitive areas and separation distances from residences. See Attached Evaluation Worksheet.

## **Service Entrance and Areas Surrounding Litter Storage Sites for Demonstration Projects**

The goal is to be able to get litter hauling vehicles to the evaluated and targeted storage sites. Failure to get the poultry litter stored at a desirable location creates potential pollution issues, especially during inclement weather conditions where litter trucks may have to dump in sites that have the potential to pollute the Waters of Kansas. Each site will be evaluated individually and service entrances may be provided as part of the cost share for temporary litter storage sites. The service entrances to the demonstration sites will follow basic guidelines for farm field access as outlined below. Drainage structures such as culverts and any ditches will not be eligible for 319 cost share.

- 1) Cost share of service entrance rock will be provided up to 4" depth.
- 2) Cost share of service entrance width will be calculated for no more than 12 feet.
- 3) Cost share of service entrance length will be no greater than 1500 feet.
- 4) Cost share of the turnaround areas near temporary storage site(s) for litter truck access will be evaluated individually to provide necessary rock.

## **Site Preparation for Demonstration Projects**

Each site will be evaluated individually to assess site preparation costs necessary to prepare temporary storage site to accommodate surface water drainage. Cost share on site preparation may include, leveling and tree removal with heavy equipment.

## **Cost share for Demonstration Projects**

Cost share rates will be no greater than 50 percent of costs for storage site(s) serving less than 400 application acres. (components to include site preparation, gravel for the entrance, gravel for the service road, lime screenings for the cover of the storage pad)

Cost share rate will be no greater than 70 percent of costs for storage site(s) that service areas of greater than 400 application acres. (components to include site preparation, gravel for the entrance, gravel for the service road, lime screenings for the cover of the storage pad)

The maximum funding limit is \$7,500.00 per temporary poultry litter storage site with no more than two sites per any one producer.

## **Contract for Demonstration Projects**

Landowners will enter into a cost share contract with the local WRAPS group. This contract will state the conservation practices to be accomplished according to commonly accepted criteria, specifications or other accepted practice standards as a guide. The contract will further state the total cost of the project, landowner or other partner cost share for the Best Management Practices (BMPs), contract completion timeline and the agreement of the landowner to maintain the practice according to recommended maintenance procedures for 10 years or the life of the practice.

## **Contact Person**

C. Douglas Blex  
Middle Neosho WRAPS Coordinator  
3131 CR 2600  
Independence, KS 67301  
Telephone: Home: 620 289-4663    Cell: 620 212-4183  
Email: [dblex@kaws.org](mailto:dblex@kaws.org)

**Herschel George**  
K-State Watershed Specialist  
Southeast Kansas  
674 Musket Rd, Uniontown, Ks 66779  
913-294-6021  
[Hgeorge@ksu.edu](mailto:Hgeorge@ksu.edu)