

Watershed Agricultural Program SOP

2.1.26.1

MANURE TRANSPORTATION BMPS – MANURE TRANSPORTATION CREDIT

The purpose of the Manure Transportation Credit BMP (MTC) is to facilitate the transportation and application of manure on qualifying farms and to provide a mechanism and incentive for using custom services, in lieu of purchasing a manure truck or manure spreader. This SOP will detail when and how this BMPs will be used in a Whole Farm Plan, as well as, how to calculate the funding allocated for the specific BMP.

D) Eligibility

1. When evaluating the possibility of using MTC in lieu of a manure truck, the Manure Transportation Grid Calculator must be completed. (see appendix A)
 - a. Farms where the Manure Transportation Grid Calculator justifies Manure Transport BMPs, but have not received a manure application truck, are eligible for MTC.
2. When evaluating the possibility of using MTC in lieu of a manure spreader, use the Manure Spreader Justification SOP (2.1.14.2).
 - a. Farms that meet the requirements outlined in the Manure Spreader Justification SOP can be eligible for MTC.
 - b. If a farm changes (i.e. - animal numbers/manure collected), the eligibility for MTC should be re-evaluated
3. MTC is eligible for custom services to transport and or apply manure from liquid or semi-solid storage systems.

II) MTC Scenarios: Replace a Manure Truck or Replace Manure Spreader

The following criteria must be met to include manure transportation Best Management Practices in a Whole Farm Plan. Criteria (and rates) vary for different scenarios and circumstances.

1. Scenario 1 and associated criteria relates directly to MTC & manure truck justification and subsequent planning & payment details.

Scenario 1		Liquid Manure Systems	Semi-Solid Manure Systems	
	Manure Storage Present	Yes		
C r i t e r i a	A	Amount of manure collected annually	More than 1.5 million gallons	More than 4,500 tons
	B	Distance to fields needed for application	More than 25% of acres over 2 miles from storage	
	C	Soil Test Phosphorus of fields closer than 1 mile from storage	More than 60% of acres higher than 40 #/ac soil test P	
	D	Highway Conditions	Hazardous road conditions present	

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- a. With scenario 1, at least one of criteria A through D must be met to include Manure Transportation BMPs in a WFP.
 - i. Hazardous Road Conditions - Circumstances/situations that make conventional manure transportation hazardous/dangerous for the Producer and/or the public.
 - b. Use Rate Calculation 1
2. Scenario 2 and associated criteria relates to a substitution of MTC for a manure spreader as defined in the Manure Spreader Justification SOP.

Criteria

Scenario 2		Liquid Manure Systems	Semi-Solid Manure Systems
	Manure Storage Present	Yes	
A	Amount of manure collected annually	Less than 60,000 gallons	Less than 100 tons
B	Nutrient Management Credit	Not eligible	
C	Inadequate equipment to spread manure	No or insufficiently sized tractor	
D	Spreader purchase not fiscally feasible	Cost of spreader significantly greater than 10 year MTC	

- a. With scenario 2, criteria A through D must be met to include the Manure Transportation BMP of MTC in a WFP.
 - i. Use professional judgement when utilizing this approach and vet any variances through the proper reviews
- b. Use Rate Calculation 2

III) Rate Calculation & WFP-2

Use the following to determine the maximum amount of Manure Transportation Credit to place in the WFP-2.

- 1. Calculation 1 (Scenario 1):
 - a. The total amount of credit available per calendar year is calculated by multiplying 75% of the manure collected on the farm annually by \$0.01 per gal. or \$3.33 per ton.
 - b. MTC payments to a farm will not exceed this amount on an annual basis.
- 2. Calculation 2 (Scenario 2):
 - a. The total amount of credit available per calendar year is calculated by multiplying 75% of the amount of manure collected on the farm by \$0.025 per gallon and/or \$7.00 per ton.
 - b. If a farm is spreading both forms of manure, calculate both separately and use the total on the WFP-2.

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- c. MTC payments to a farm will not exceed this amount on an annual basis.
3. The MTC BMP has a lifespan of Ten (10) years. For either criteria/calculation above, the total cost of the BMP in a WFP is equal to the maximum amount available each year multiplied by ten.

IV) **Payment & Documentation**

1. Payment is only made for manure actually hauled or applied by a custom applicator.
 - a. Scenario 1:
 - i. Manure hauled or applied on fields more than 2 miles from the storage will receive \$0.01 per gal. (for liquid storage systems) or \$3.33 per ton (for semi-solid systems).
 - ii. Manure hauled or applied on fields less than 2 miles from the storage will receive \$0.005 (for liquid storage systems) per gal. or \$1.67 per ton (for semi-solid systems).
 - b. Scenario 2:
 - i. Manure hauled or applied on fields will receive \$0.025 per gal. (for liquid storage systems) or \$7.00 per ton (for semi-solid systems).
 - ii. Farms can be eligible for payment for hauling both forms of manure separately where applicable. Calculate each individually and base payments accordingly.
2. For semi-solid manure, MTC may be used to transport and temporarily stack semi-solid manure in approved locations. Farmers who have manure transported and stacked for later application, will only be paid once they have spread the manure according to their nutrient management plan.
3. Payment may be made directly to custom applicators at the time of service or to the farmer after spreading is complete.
4. Records must be provided verifying that manure was spread according to the NMP and that it was applied to eligible fields. Records must include the following
 - a. Application Date
 - b. Field Identification (matching NMP)
 - c. Manure rate applied to each field
 - d. Total amount manure applied per field
5. MTC not used in the calendar year they are allocated do not carry over to future years.

Related Documents:

Appendix A - Manure Transportation Grid & Grid Calculator
Manure Spreader Justification SOP 2.1.14.2