

Enhancement Job Sheets

Air Resource Management Enhancement Minnesota, 2004

Encourage the use of no till, strip till, and ridge till for residue management.

Definition

Managing the amount, orientation and distribution of crop and other plant residues on the soil surface year-round by managing the use of tillage and planting equipment.

Purpose

This practice improves the air resource by conserving soil moisture and reducing wind erosion.

Where Used

This practice applies to the acres of cropland on which tillage practices of no till, strip till, and ridge till are used.

Operation and Maintenance

This is an annual practice. Payment will be made each year that these tillage practices are used.

Payment Rate

A payment per acre of no till, strip till, or ridge till implemented.

Documentation Required

Provide a map of the location of the acres with no till, strip till, or ridge till.

Signature: _____ **Date:** _____

Enhancement Job Sheets

Air Resource Management Enhancement Minnesota, 2004

Encourage the use of a waste facility cover for odor control

Definition

A waste facility cover is a fabricated rigid, semi-rigid or flexible membrane over a waste treatment or storage facility.

Purpose

To cover a waste facility for air quality improvement through odor control.

Where Used

This practice applies where capture and controlled release, flaring or bio-treatment of emissions from an agricultural waste storage structure will improve air quality.

Operation and Maintenance

The producer shall have an operation and maintenance plan consistent with the purpose of the practice, its' intended life, safety requirements, and the criteria used for its' design. The cover manufacturer and or installer shall warrant the cover for the intended use and design life, provide maintenance instructions and certification that the cover is properly installed.

Payment Rate

A payment per square feet of waste storage facility to be covered.

Documentation Required

Provide a map of the location of the covered storage structure and records showing the size of the cover.

Signature: _____ **Date:** _____

Enhancement Job Sheets

Air Resource Management Enhancement Minnesota, 2004

Improve air quality by controlling concentrated animal odors through the use of bio-filters for curtained barns

Definition

Bio Filters are an air bio-filtration system comprised of mechanical ventilation, ductwork and a bed of organic material that supports a microbial population.

Purpose

To prevent or minimize the odor emissions from livestock and poultry production facilities and manure storage areas.

Where Used

This applies where odors are emitted from a confined livestock or poultry production building or a covered manure storage area.

Operation and Maintenance

The operation and maintenance plan shall address the physical integrity, moisture content, weed growth, rodents, assessment of pressure drop and health and safety concerns as outlined in the NRCS interim 795 practice standard.

Payment Rate

A payment per square feet of barn

Documentation Required

A map of the location of the barns and bio-filters and records showing the size of the filter must be provided.

Signature: _____ **Date:** _____

Enhancement Job Sheets

Air Resource Management Enhancement Minnesota, 2004

Improve air quality by controlling concentrated animal odors through the use of bio-filters for enclosed barns

Definition

Bio Filters are an air bio-filtration system comprised of mechanical ventilation, ductwork and a bed of organic material that supports a microbial population.

Purpose

To prevent or minimize the odor emissions from livestock and poultry production facilities and manure storage areas.

Where Used

This applies where odors are emitted from a confined livestock or poultry production building or a covered manure storage area.

Operation and Maintenance

The operation and maintenance plan shall address the physical integrity, moisture content, weed growth, rodents, assessment of pressure drop and health and safety concerns as outlined in the NRCS interim 795 practice standard.

Payment Rate

A payment per square feet of barn

Documentation Required

A map of the location of the barns and bio-filters and records showing the size of the filter must be provided.

Signature: _____ **Date:** _____

Enhancement Job Sheets

Air Resource Management Enhancement Minnesota, 2004

Encourage the use of cross wind trap strips to control dust and pesticide drifts

Definition

Herbaceous cover resistant to wind erosion, established in one or more strips across the prevailing wind erosion direction.

Purpose

To improve air quality by reducing soil erosion from wind.

Where Used

This practice is used on cropland fields where wind erosion is a resource concern.

Operation and Maintenance

Perennial trap strips shall be fertilized as needed to maintain plant vigor. Weeds shall be controlled with mowing or herbicides. Mowing or grazing shall be managed to allow re-growth to the planned height before periods when wind erosion or crop damage is expected to occur.

Wind borne sediment that is accumulated shall be removed when the accumulations exceed 6 inches in depth. Reseed any disturbed areas as needed to maintain plant density and height. See Minnesota NRCS Practice Standard 589C.

Payment Rate

A payment per acre. The payment is made only on the acres in the trap strips.

Documentation Required

Provide a map with the location of the fields where the trap strips are located and the length and width of each trap strip.

Signature: _____ **Date:** _____