

Effects of NRCS Conservation Practices - National

Roofs and Covers

A rigid, semi-rigid, or flexible manufactured membrane, composite material, or roof structure placed over a waste management facility.

Code: 367

Units: no

Typical Landuse:

AL-Aso Land
O-Other
W-Water
D-Developed
FS-Farmstead
PI-Protected
P-Pasture
R-Range
F-Forest
C-Crop
FS D

<u>Soil Erosion</u>	<u>Effect</u>	<u>Rationale</u>
Soil Erosion - Sheet and Rill Erosion	0	Not Applicable
Soil Erosion - Wind Erosion	0	Not Applicable
Soil Erosion - Ephemeral Gully Erosion	0	Not Applicable
Soil Erosion - Classic Gully Erosion	0	Not Applicable
Soil Erosion - Streambank, Shoreline, Water Conveyance C	0	Not Applicable
<u>Soil Quality Degradation</u>		
Organic Matter Depletion	0	Not Applicable
Compaction	0	Not Applicable
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Not Applicable
<u>Excess Water</u>		
Excess Water - Seeps	0	Not Applicable
Excess Water - Runoff, Flooding, or Ponding	-1	Excluded rainfall on pond will contribute to runoff.
Excess Water - Seasonal High Water Table	0	Not Applicable
Excess Water - Drifted Snow	0	Not Applicable
<u>Insufficient Water</u>		
Insufficient Water - Inefficient Use of Irrigation Water	0	Not Applicable
Insufficient Water - Inefficient Moisture Management	0	Not Applicable
<u>Water Quality Degradation</u>		
Pesticides in Surface Water	0	Not Applicable
Pesticides in Groundwater	0	Not Applicable
Nutrients in Surface water	0	Not Applicable
Nutrients in Groundwater	0	Not Applicable
Salts in Surface Water	0	Exclusion of rainfall on the facility will reduce incidence of overflow and associated contaminants.
Salts in Groundwater	0	Not Applicable
Excess Pathogens and Chemicals from Manure, Bio-solic	0	Exclusion of rainfall on the facility will reduce incidence of overflow and associated contaminants.
Excess Pathogens and Chemicals from Manure, Bio-solic	1	Reduced opportunity for overflow due to rainfall exclusion will reduce opportunity for groundwater contamination.

Excessive Sediment in Surface Water	0	Not Applicable
Elevated Water Temperature	0	Not Applicable
Petroleum, Heavy Metals and Other Pollutants Transport	1	Exclusion of rainfall on the facility will reduce incidents of manure overflow and associated contaminants.
Petroleum, Heavy Metals and Other Pollutants Transport	1	Reduced opportunity for overflow due to rainfall exclusion will reduce opportunity for groundwater contamination.
<u>Air Quality Impacts</u>		
Emissions of Particulate Matter (PM) and PM Precursors	2	Covering solid materials protects those materials from erosive wind forces. Covers can also help to prevent emissions of ammonia.
Emissions of Ozone Precursors	1	Cover can prevent emission of VOCs. Roofs and covers can also be used to prevent excess moisture addition to solid materials, which helps to reduce emissions of NOx and VOCs.
Emissions of Greenhouse Gases (GHGs)	4	Covers can be used for capturing biogas (methane) reducing net GHG emissions. Covered lagoon would be substantial. Roofs and covers can also be used to prevent excess moisture addition to solid materials, which helps to reduce air emissions.
Objectionable Odors	4	Cover can prevent emission of odorous gases. Covered lagoon would be substantial. Roofs and covers can also be used to prevent excess moisture addition to solid materials, which helps to reduce air emissions.
<u>Degraded Plant Condition</u>		
Undesirable Plant Productivity and Health	0	Not Applicable
Inadequate Structure and Composition	0	Not Applicable
Excessive Plant Pest Pressure	0	Not Applicable
Wildfire Hazard, Excessive Biomass Accumulation	0	Not Applicable
<u>Fish and Wildlife - Inadequate Habitat</u>		
Inadequate Habitat - Food	0	Not Applicable
Inadequate Habitat - Cover/Shelter	0	Not Applicable
Inadequate Habitat - Water	0	Not Applicable
Inadequate Habitat - Habitat Continuity (Space)	0	Not Applicable
<u>Livestock Production Limitation</u>		
Inadequate Feed and Forage	0	Not Applicable
Inadequate Shelter	0	Not Applicable
Inadequate Water	0	Not Applicable
<u>Inefficient Energy Use</u>		
Equipment and Facilities	1	If used in conjunction with capturing methane, can capture a source of energy
Farming/Ranching Practices and Field Operations	0	Not Applicable

<u>CPPE Practice Effects:</u>	
5 Substantial Improvement	0 No Effect
4 Moderate to Substantial Improvement	-1 Slight Worsening
3 Moderate Improvement	-2 Slight to Moderate Worsening
2 Slight to Moderate Improvement	-3 Moderate Worsening
1 Slight Improvement	-4 Moderate to Substantial Worsening
	-5 Substantial Worsening