Effects of NRCS Conservation Practices - National

Composting Facility

A structure or device to contain and facilitate the controlled aerobic decomposition of manure or other organic material by micro-organisms into a biologically stable organic material that is suitable for use as a soil amendment.

Code: 317
Units: no.

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

Soil Erosion	*Effect*	*Rationale*
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 (	0	Not Applicable
Soil Quality Degradation		
Organic Matter Depletion	0	Not Applicable
Compaction	0	Not Applicable
Subsidence	0	Not Applicable
Concentration of Salts or Other Chemicals	0	Not Applicable
Excess Water		
Excess Water - Seeps	0	Not Applicable
Excess Water - Runoff, Flooding, or Ponding	0	Not Applicable
Excess Water - Seasonal High Water Table	0	Not Applicable
Excess Water - Drifted Snow	0	Not Applicable
Insufficient Water		
Insufficient Water - Inefficient Use of Irrigation Water	0	Not Applicable
Insufficient Water - Inefficient Moisture Management	0	Not Applicable
Water Quality Degradation		
Pesticides in Surface Water	0	Not Applicable

Pesticides in Groundwater	0	Not Applicable
Nutrients in Surface water	2	Facility will properly treat manure or other agricultural by-products into a stable material. The nutrients are slowly available and less susceptible to losses from runoff or leaching.
Nutrients in Groundwater	2	The action will properly treat manure and organic waste that was once mishandled. Degree of impact depends on conditions before installation.
Salts in Surface Water	0	Not Applicable
Salts in Groundwater	0	Not Applicable
Excess Pathogens and Chemicals from Manure, Bio-soli	2	Facility will properly treat manure solids and organic waste reducing pathogens.
Excess Pathogens and Chemicals from Manure, Bio-soli	2	Composting kills pathogens.
Excessive Sediment in Surface Water	0	Not Applicable
Elevated Water Temperature	0	Not Applicable
Petroleum, Heavy Metals and Other Pollutants Transport	0	Not Applicable
Petroleum, Heavy Metals and Other Pollutants Transport	0	Not Applicable
Air Quality Impacts		
Emissions of Particulate Matter (PM) and PM Precursors	1	Proper composting can reduce ammonia and PM emissions.
Emissions of Ozone Precursors	1	Proper composting can reduce emissions of VOCs by converting them to CO2.
Emissions of Greenhouse Gases (GHGs)	1	Proper composting will increase CO2 emissions, but decrease the potential for methane and nitrous oxide production.
Objectionable Odors	3	Proper composting can reduce emissions of odorous compounds.
Degraded Plant Condition		
Undesirable Plant Productivity and Health	0	Not Applicable
Inadequate Structure and Composition	0	Not Applicable
Excessive Plant Pest Pressure	1	Heat in the composting process normally destroys weed seeds.
Wildfire Hazard, Excessive Biomass Accumulation	0	Not Applicable
Fish and Wildlife - Inadequate Habitat		
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**
Livestock Production Limitation		
Inadequate Feed and Forage	**0**	**Not Applicable**
Inadequate Shelter	**0**	**Not Applicable**
Inadequate Water	**0**	**Not Applicable**
Inefficient Energy Use		
Equipment and Facilities	**1**	**By-products from this practice can be used in lieu of fossil fuels**
Farming/Ranching Practices and Field Operations	**2**	**Reduce volume/weight for material transport.**

CPPE Practice Effects:	***0 No Effect***
5 Substantial Improvement	***-1 Slight Worsening***
4 Moderate to Substantial Improvement	***-2 Slight to Moderate Worsening***
3 Moderate Improvement	***-3 Moderate Worsening***
2 Slight to Moderate Improvement	***-4 Moderate to Substantial Worsening***
1 Slight Improvement	***-5 Substantial Worsening***