

Effects of NRCS Conservation Practices - National

Animal Mortality Facility

An on-farm facility for the treatment or disposal of livestock and poultry carcasses for routine and catastrophic mortality events.

Code: 316

Units: ac.

Typical Landuse:

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

<u>Soil Erosion</u>	<u>Effect</u>	<u>Rationale</u>
Soil Erosion - Sheet and Rill Erosion	0	Mass mortality die-off may result in excavation for burial and short-term soil disturbance.
Soil Erosion - Wind Erosion	0	Mass mortality die-off may result in excavation for burial and short-term soil disturbance.
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	0	Not Applicable
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	2	Composting dead animals produces a stable product whose nutrients are slowly available to crops.
Nutrients in Groundwater	2	Properly handled mortality will prevent groundwater contamination. May be slight worsening in problem where disposal pits are the facility option.
Salts in Surface Water	0	Not Applicable
Salts in Groundwater	0	Not Applicable
Excess Pathogens and Chemicals from Manure, Bio-solic	2	Properly handled mortality will prevent contamination.
Excess Pathogens and Chemicals from Manure, Bio-solic	2	Properly handled mortality should prevent groundwater contamination. Where disposal pits are used a slight potential for pathogen movement exists.

Excessive Sediment in Surface Water	0	Not Applicable
Elevated Water Temperature	0	Not Applicable
Petroleum, Heavy Metals and Other Pollutants Transport	0	Not Applicable
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<u>Air Quality Impacts</u>		
Emissions of Particulate Matter (PM) and PM Precursors	0	Mortality incinerators can produce PM emissions. Proper composting of mortalities can decrease ammonia and PM emissions.
Emissions of Ozone Precursors	-1	Mortality incinerators can produce emissions of NOx
Emissions of Greenhouse Gases (GHGs)	1	CO2 emissions are increased when incineration is used. Methane releases are typically decreased from proper mortality management.
Objectionable Odors	3	Proper mortality management reduces odor emissions from dead animals
<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	0	Not Applicable
Farming/Ranching Practices and Field Operations	0	Not Applicable

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