

**Scenario Worksheet**

Practice and Scenario Description:	
Information Type	Data
Region	Delta States
State	Louisiana
Discipline Group	Environmental Engineering
Practice Code/Name	316 - Animal Mortality Facility
Scenario ID	9
Scenario Name	Static pile, Concrete Bin(s)

Scenario Description	<p>This scenario consists of installing a two or more of concrete bins, open on one end on a concrete pad to compost larger quantities of poultry or mature swine mortality in static pile(s) that have sufficient bulking material to allow natural aeration. Piles are turned to go through a second heat cycle prior to final land application. The roofed portion of the facility is addressed in Cover and Roofs (367). Size of facility based on daily mortality and sizing procedures accepted in particular state.</p> <p>Potential Associated Practices: Roofs and Cover ( 367 ), Heavy Use Area Protection (561), Critical Area Planting (342), Nutrient Management (590), Access Road (560), Structure for Water Control (587), Roof Runoff Structure (558), Diversion (362), Subsurface Drain (606), and Underground Outlet (620).</p>
Before Practice Situation	Animal mortality is done in a manner that results in non-point source pollution of excessive nutrients, organics, and pathogens being transported into surface and groundwater resources. Improper operation results in odors and spread of pathogens from incomplete composting, incineration, or interaction with predators. No plan was formulated for both normal and catastrophic mortality events.
After Practice Situation	<p>Animal mortality is being done in a manner that prevents non-point source pollution of excessive nutrients, organics, and pathogens being transported into surface and groundwater resources. Proper operation results in little to no odors, complete composting, and protection from predators to minimize pathogen survival or spreading. An overall plan covers normal and catastrophic mortality events. Selected method for carcass treatment and disposal meet or are permitted by federal, state, and local laws, rules, regulation.</p> <p>Install a 20' deep by 32' long pad with four bins with 4' high walls and one end open. Open side to have 10' concrete apron due to heavy traffic during loading and movement from bin to bin. Roofed portion is addressed under Roofs and Covers (367). Required Aprons are addressed under Heavy Use Area Protection (561). Site preparation includes topsoil removal, installing 4" of gravel, setting posts, installing concrete slab, and installing 4' high concrete walls. Piles are turned by moving to adjacent bin to go through a second heat cycle prior to final land application.</p>
Scenario Feature Measure	Total Bin Area
Scenario Unit	Square Foot
Scenario Typical Size	640

Cost Summary:		
Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$339.22	\$0.53
Equipment/Installation	\$5,511.88	\$8.61
Labor	\$0.00	\$0.00
Mobilization	\$267.02	\$0.42
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$6,118.12	\$9.56

