ANIMAL MORTALITY FACILITY WORKSHEET
(POULTRY)

Landowner/Operator LANDOWNER

County _____ CD CONSERVATION DISTRICT Farm/Tract No. FARM/TRACT NO

Prepared By PREPARED BY Date DATE

Checked By _____ Date _____

Approved By _____ Date _____

Job Approval Class _____

Basic Data: Resource Problem_____

Conservation Practices & Job Approval_____

Design Information: Location Sketch existing structures (poultry houses, barns, wells, adjacent landowners, sinks, water bodies, streams, etc.), prevailing wind direction, bar scale, north arrow, plan location of practice (structure, pipeline, roof runoff, diversion, etc.), topographic information, soils map, utility check sheet (WV-Eng-46)

Location Information

_____Distance to Closest Dwelling _____ Distance to Well ____ Distance to Surface Water
_____Distance to sink hole _____ Out of 100 yr. flood plain ____ Distance to Property Line

Operation Information

Bird Type _____ Flock Cycle (days) ____ Flocks/yr____

Number of Houses _____ House Dimensions ____ft x ____ft

Clean out depth (in) _____ Cleanout per Year _____ Single Large Cleanout Depth/Yr ____

Mortality Volume

Number Start (N1) No.	Number Harvested (N2) No.	Mortality %* (M) $\frac{(N1-N2) \times 100}{N1}$ %	Market Weight (W) lbs.	Days to reach market weight (T) Days	Volume Factor [Table A1] (VF)	Mortality Volume ** $\frac{N1 \times (M\%) \times W \times VF}{T \times 100}$ (MV) CF

* Use this equation or value from Table A2

** NEH Part 651 Eq. 10-22

Clear Form

Bin Calculations

Bin size may vary based on equipment needs.

Primary Bin (PB): height 4-5 ft; length (front to back) 6 -10 ft; width 8-10 ft (front end loader width + 2.0 ft)

Secondary Bin (SB) typically same as the primary bin or can be one large bin with height 4-5 ft; length (front to back) 6 -10 ft; width =total width of all primary bins

ID	Mortality Volume (MV) CF	Bin Height (H) FT	Bin Length (L) FT	Bin Width (W) FT	Primary Bin Volume (PBV) HxLxW CF	Min. No. of Bins (round up) MV / PBV

Mortality Composter Design Summary:

Number of Primary Bins _____ width ___ ft length ____ ft height ____ ft

Number of Secondary Bins _____ width ___ ft length ____ ft height ____ ft

Note: Consider width for equipment access if one large bin is desired..

Roof Details: See WV standard composter/shed roof drawings

Heavy Use Area Protection (HUAP): See HUAP details

Plan View: Include plan view showing composter bins and HUAP with dimensions.

Table A1-- Volume Factor for mortality when Nitrogen Source is Poultry Litter or Manure NEH Part 651 (AWMFH) Table 10-9						
Carcass Size (lb.)	0-4	4 - 10	10 - 25	25 - 300	300 - 750	750 - 1400
Bin Volume Factor	1.0 – 2.5	3.0	5.0	10.0	14.0	20.0

Table A2 – Animal Mortality Rates (Poultry) NEH Part 651 (AWMFH) Table 10-10				
Animal or Poultry Type	**Mortality Rate %**	**Growth Cycle (day)**	**Cycles per year**	**Market Weight (lb)**
Broiler	4.5-5.0	42-49	5.5-6.0	4.2
Roaster - female	3	42	4	4.0
Roaster - male	8	70	4	7.5
Laying hen	14	440	0.9	4.5
Breeding hen	10-12	440	0.9	7-8
Breeder male	20-25	300	1.1	10-12
Turkey - female	5-6	95	3	14
Turkey - male	9	112	3	24