

## Farm Information Section

(Continued from Page 57)

Operator Information:

Mr. John C. Example, Jr.  
Box 222  
Centerville, PA 12435-6789  
(Located 3 miles north of Farmville, PA)

County: Centre County

Farm Description:

The Example farm is a mixed dairy/poultry operation. All poultry manure is collected from within the high rise layer house and exported from the operation. The dairy freestall operation consists of a herd of 100 Holstein cows. There are no replacement animals on this operation; they are purchased as needed. Calves are all sold at 3 days of age. A 62' diameter, 14-foot deep, liquid manure storage facility provides 296,000 gallons of usable capacity adequate for 6 months of storage of the liquid dairy manure, washwater, and direct rainfall. The entire operation is 163 acres, with 154 of those acres routinely receiving manure application. The balance of the farm acreage is devoted to a sacrifice lot (1 acre), farmstead, and production facilities (8 acres). The operator has the dairy animals confined 85% of the day during the winter period and 70% of the day during summer months. When the animals are out of the barn, the operator estimates that they are on the sacrifice lot 40% of the time. The crop rotation for this operation is one year corn silage, followed by three years corn grain, followed by four years alfalfa hay.

*Calculation of the total amount of manure able to be stored in storage 14' total depth - 0.5' freeboard - 0.4' (for 25 yr Stormwater) = 13.1' usable depth Square feet of storage surface =  $3.14 \times (62 \text{ (diameter)} / 2 \text{ (to get radius)})^2 = 3,018 \text{ sq. feet. Usable volume} = (13.1' \times 3,018 \text{ ft}^2) \times 7.48 \text{ gal per ft}^3 = 296,000 \text{ gal (rounded from 295,728 gallon.)}$*

Receiving Stream: Little Fishing Creek

Special Protection Waters:

Those areas of Little Fishing Creek that flow through the farm are designated as a High Quality (HQ) - Cold Water Fishery (CWF).

*A list of special protection waters is available from the conservation district office, the DEP, or the State Conservation Commission*

Total Acres of Operation: 163 total acres

Total Acres Where Nutrients Are Applied:

Owned: 154 Acres  
Rented: 0 Acres

Number of Animal Equivalent Units for the Operation (on an annualized basis:

655 Animal Equivalent Units

*Calculation of annualized AEU:  $100 \text{ (cows)} \times 1,300 \text{ lbs (per cow)} \times 365 \text{ (days/yr)} / 1,000 = 130 \text{ AEU's, cows}$   
 $150,000 \text{ (layers)} \times 3.5 \text{ lbs. (per layer)} \times 365 \text{ (days on operation)} / 365 \text{ (days/yr.)} / 1,000 = 525 \text{ AEU's, layers}$   
 $130 \text{ AEU's (cows)} + 525 \text{ AEU's (layers)} = 655 \text{ Total}$*

Animal Equivalent Units per Acre: 4.3 AEU's/acre

Name & Certification Number of Specialist Preparing Plan:

Jake Smith  
Certification number 1234  
Signature of Planner: (not required)

*Animal Equivalent Units per acre calculation  
 $655 \text{ (AEU's)} / 154 \text{ (acres)} = 4.3 \text{ AEU's/acre}$   
(This is a CAO)*

Date: \_\_\_\_\_

Signature of Operator:

I concur with the information and practices outlined in plan.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(Turn to Page 63)

Sample Plan - 2