



ON FARMER'S GROUND WATER QUALITY PROTECTION PLAN SURVEY

SECTION I: GENERAL FARM INFORMATION

Farm Name _____

Producer/Farm Manager _____

Address _____

County _____

Phone # _____

Email: _____

Years Farming _____

Acres Owned:

Tillable _____

Permanent Hayland _____

Pasture _____

Woodland _____

Acres Rented:

Tillable _____

Permanent Hayland _____

Pasture _____

Woodland _____

**Describe your farm and plans for the future
(ie Expansion, Diversification)**

Livestock Enterprises / Livestock Inventory

Type/Breed _____

Animal Numbers

(in order to determine amount of manure produced and adequacy of storage facility)

	Age	Number	Weight
Calves			
Heifers			
Cows			

Rolling Herd Average _____

Confinement/Pasture Information (manure from animals out on pasture does not need to be accounted for in storage requirements)

	Dates Confined	Continuously Stocked (Y/N)	# Paddocks
Calves			
Heifers			
Milkers			
Dry Cows			

Do you have animals on another farm? Yes No _____

SECTION II: WATERSHED SITE EVALUATION & FARMSTEAD WATER**SUPPLY** (Potential Water Resource Concerns, Farm Soils & Topography)Have you had your wells or springs tested? Yes NoAre your wells or springs high in nitrates? Yes No

Has there been groundwater contamination or concerns about groundwater issues near the farm?

 Yes No If Yes, explain: _____Are fields that are farmed next to homes that rely on wells or springs for drinking water? Yes No If yes describe locations: _____

Approximate distance of cropped fields from well or spring: _____

Are fields upslope from the home's water supply? Yes NoIs the farm within a wellhead protection area? Yes No

Watershed _____

Stream(s) _____

River _____

Lake _____

Are the waterbody(s) listed above on the State's list of agriculturally impaired waters (303d list)?
 Yes No

A heightened risk of groundwater contamination exists if soils are farmed that (check below):

- ___ Are glacial outwash or well drained alluvial soils over sand or gravel deposits.
- ___ Are less than 20" to fractured bedrock
- ___ Adjacent to or above the farm's water supply (well or spring).

A heightened risk of polluting nearby waterbodies exists if soils are farmed that (check below):

- ___ Have slopes greater than 8%, or are highly erodible (HEL) that lack best management practices for controlling surface runoff.
- ___ Are predominately clay soils, or shallow soils over hardpan or bedrock.
- ___ Have gullies or other drainage patterns or tile drainage that directly outlets into a waterbody.
- ___ Are seasonally saturated.
- ___ Are within 100 feet of a waterbody.
- ___ Flood frequently (once every 2 years).

SECTION III: SOIL MANAGEMENT; NUTRIENT MANAGEMENT & FIELD APPLICATION

Do you have a Comprehensive Nutrient Management Plan? Yes No
(If yes, skip appropriate questions.)

How many animal units (1000 lbs) do you have per acre of land to which manure is applied? _____

Do you regularly perform soils tests on your fields? Yes No

Do you utilize the Pre-sidedress nitrogen test (PSNT) for corn fields? Yes No

Do you keep records of manure applications on fields? Yes No

Do you calibrate fertilizer and manure applications? Yes No

Do you test manure samples for nutrient content? Yes No

Is the rate of manure application determined based on phosphorus or nitrogen needs of the crops?

How often have you had to spread on saturated or frozen ground or fields prone to flooding?

Do spreading setbacks exist around wellheads and springs? Yes No

Do grass buffers exist along ditches or streams in fields receiving manure? Yes No

Describe: _____

Do grass buffers along streams and ditches have gullies? Yes No

Locate streams and ditches that need to be buffered. _____

Is manure incorporated into the soil during or shortly after application? Yes No

Time to Incorporation: ___ Hours ___ Days

Is manure applied to legume crops? If so, how is the rate determined? _____

What is the rate of fertilizer application? _____
Is soil organic matter content maintained and enhanced by using proper manure applications, crop rotations, cover crops, and harvesting operations that leave crop residues in the field? _____

Are cover crops used on the farm? Yes No
Is there evidence of ephemeral, gully and/ or sheet and rill erosion taking place on your farm? Yes No _____
Is there a plan in place, such as an FSA plan or CNMP to control erosion? Yes No Are there HEL fields on the farm? Yes No
Is the plan followed and kept up to date? Yes No _____
Is there evidence of sediment deposition on the farm? Yes No _____
Is wind erosion occurring (wintertime)? Yes No _____

SECTION IV: FARMSTEAD INFORMATION; MANURE STORAGE, BARNYARDS, SILAGE STORAGE, MILKHOUSE WASTE, MORTALITY DISPOSAL

Do you have a manure pit? Yes No
Describe length of storage: _____
Is it lined? What is the soil type? Was it constructed with Government Assistance? Was it designed by an engineer? What year was it built? _____

Do you stack manure? Describe location. Is surface and roof water diverted from stack area? _____

What is the approximate distance from the pit or manure stack to wells or springs? _____

Is the pit located in a floodplain? Yes No
Does your manure storage unit accommodate silage leachate and milk house waste? Yes No

Do you have a barnyard/ outdoor feedlot? Yes No
What is the square footage? _____ Is it sized right for the number of animals? (50sq. ft per 1000 lbs of animal) Yes No _____
Does the barnyard have a curb? Yes No Are curbs needed for ease of scraping and to limit runoff? Yes No _____

Is clean water (roof water, upslope runoff, from animal watering tubs) kept separate from manure? Yes No _____

How often is barnyard scraped? Describe general practice. _____

Is there a grass filter area adjacent to barnyard to capture runoff? Yes No

Is the grass filter area working properly? Yes No
Are the animals in the barnyard over the winter months? Yes No
Where are the wells in relation to the barnyard? _____

Can the barnyard be reduced in size, relocated or eliminated? Yes No _____
Where is silage stored? Upright/bunker silo? _____
Do you commonly see seepage out of silos and bunkers? Yes No How often? _____

Is bunker/ silo leachate collected and stored? _____
Is there adequate drainage around bunker silo? Yes No _____

Is there a well-maintained roof or cover on the silo/bunker? _____

Where silage bags are used: Is there a pad? Yes No
Is the surface hard (to avoid concentrating water in ruts)? _____

How is milkhouse waste disposed of? _____

How many gallons of water is used for process clean-up? _____

What do you do with treated milk? _____

Has herd size increased since system was installed? _____

How are dead animals disposed of? If composted or buried, describe soils, depth to bedrock and water table. _____

SECTION V: PASTURE & STREAM MANAGEMENT

Is pasture utilized on the farm? Yes No (if no, skip this section)

What is the condition of the pasture vegetation (ie, overgrazed with little vegetation, rotated/ well stocked, weedy, bare spots)? _____

What is the condition of pasture laneways? _____

How is pasture on floodplains or adjacent to streams managed? Do livestock have access to the stream? _____

What is the condition of the streambanks? _____

Do livestock have access to wetlands? Yes No Describe: _____

SECTION VI: FERTILIZER, PESTICIDE & FUEL STORAGE; WASTE DISPOSAL

Do you store commercial fertilizers, pesticides and or fuel? Describe. _____

Where is the storage area located in relation to the well or spring? _____

Is there an old dump on the farm? Yes No Is it currently being used? _____

What is done with used antifreeze? _____

What is done with waste oil and grease? _____

SECTION VII: WATER-BORNE PATHOGENS (CALF-REARING PRACTICES)

Is surface water allowed to enter or flow through calf housing facilities? _____

How is manure from calves under 6 months handled and stored? _____

Is manure from calves composted? Yes No _____

SECTION VIII: STREAM & FLOODPLAIN MANAGEMENT

How close to the stream do you normally till? _____

Can your livestock gain access to the stream? Yes No

Is streambank erosion threatening your fields or pasture? Yes No

Do your field tile or other drains empty into a stream? Yes No

How often do your crop fields flood? _____

Do floodwaters erode your cropland? Yes No

Is fertilizer or manure applied in the floodplain? Yes No

Is your farmstead located within a floodplain? Yes No

Is the pit located within a floodplain? Yes No