



# 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  No

Are 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  No

Is 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