Step 6: Project Details for Runoff Control for Livestock Facilities (ESIM-PD-H)

1. Prior to the implementation of your project, does your farm site already have any of the following features? (Check all that apply)

- ☐ Upstream diversion around existing farmyards to prevent clean water from entering the yard
- ☐ Downslope collection and treatment of runoff from the yard
- ☐ Livestock yard with impermeable base and with roof of livestock yard
- ☐ Concrete storage for runoff
- ☐ Tile observation shut off stations
- ☐ Silage leachate collection, transfer and/or storage systems
- ☐ Constructed wetland to capture runoff

2. Does your proposed project include adding any of the following features? (Check all that apply)

- ☐ Upstream diversion around existing farmyards to prevent clean water from entering the yard
- ☐ Downslope collection and treatment of runoff from the yard
- ☐ Construction of impermeable base coupled with roofing of livestock yard
- ☐ Concrete storage for runoff
- ☐ Tile observation shut off stations
- ☐ Silage leachate collection, transfer and/or storage systems
- ☐ Design and construction of a controlled wetland to capture runoff
- ☐ Removal or plugging of tile drains
- ☐ Construction of an impermeable base coupled with roofing of a livestock yard

3. What type of livestock will use the livestock yard or facility? _____

4. How many livestock will typically use the yard or facility?

- ○ Less than 20
- ○ 20 to 40
- ○ 41 to 60
- ○ 61 to 80
- ○ more than 80
- ○ My project is not related to livestock (e.g., silage leachate)

Full Name: _____ ***FBRN:*** _____

5. What is the area of the livestock yard being addressed by this project?

- ○ Less than 500 sq ft
- ○ 500 to 999 sq ft
- ○ 1000 to 1499 sq ft
- ○ 1500 to 1999 sq ft
- ○ 2000 sq ft or greater
- ○ Not applicable, my project is not for a livestock yard

6. What is the distance from your current, uncovered livestock yard to the nearest surface water? (From Worksheet 8, Question 1 in your 4th EFP workbook or online eEFP) (Select one)

- ○ Less than 50 metres flowpath (165 ft flowpath)
- ○ 50 metres flowpath to 75 metres (165 ft. flowpath to 246 ft)
- ○ 76 to 150 metres (247 to 500 ft)
- ○ Greater than 150 metres (500 ft.)

7. What is the distance from your current, uncovered livestock yard to any drainage tile? (From Worksheet 8, Question 4 in your 4th EFP workbook or online eEFP) (Select one)

- ○ Less than 15 metres (50 ft.) **AND** observation and shut-off station not installed
- ○ No evidence of tile being installed near the farmstead **OR** water from all tile within 15 metres (50 ft.) of storage or yard pass through and observation and shut-off station
- ○ A trench has been dug verifying all subsurface perforated tile drains are located more than 15 metres (50ft.) away from the yard or storage **OR** all tile within 15 metres (50 ft.) of storage or yard is properly installed with an observation and shut-off station that is routinely monitored for water quality
- ○ A trench has been dug verifying that all subsurface perforated tile drains are located more than 30 metres (100 ft.) from yard or storage **OR** all tile water within 15 metres (50 ft.) of storage or yard is collected, stored, and land applied

8. Is your project located in the Lake Erie watershed?

- ○ Yes
- ○ No

9. Does the proposed action(s) to be completed in your project fully address the runoff issue (e.g., the entire livestock yard will be covered or all runoff is captured and held in a runoff storage)?

- ○ Yes
- ○ No

Full Name: _____ ***FBRN:*** _____

Step 7: Additional Funding for Systems Approach

This section is for applicants who would like to be considered for the Systems Approach Funding. To be considered, you must show how the project you are applying for will be complemented or enhanced by the on-going maintenance of previously implemented best management practices (BMPs). If this applies to you, please answer the questions for at least 3 of the BMPs below. If you provide satisfactory answers for at least 3 BMPs, you may receive an additional 5 percent in cost-share funding.

NUTRIENT MANAGEMENT AND SOIL HEALTH PLANNING	
What year did you complete at least one of the following plans: ☐ Crop Nutrient Plan ☐ Nutrient Management Plan ☐ Riparian Health Assessment ☐ Soil Erosion Plan ☐ Water/Wastewater Management Plan	
What type of advisor did you use for your planning?	
Does the plan contribute to your ongoing production practices?	○ Yes ○ No
What township was the plan implemented in?	
COVER CROPS	
Do you use cover crops annually?	○ Yes ○ No
If no, what was the most recent year you used cover crops?	
How many acres do you use cover crops on annually?	acres owned acres rented
Have you used a cover crops species that flowers?	○ Yes ○ No
If so, did you allow the cover crops to flower before termination?	○ Yes ○ No
Are your cover crops typically left in the field over winter?	○ Yes ○ No
What township was this implemented in?	
RIPARIAN BUFFER STRIPS	
What is the length and width of your riparian buffer strip?	metres length metres width
What year did you plant your most recent buffer strip?	
What township was this implemented in?	

WINDBREAKS AND WINDSTRIPS	
How many acres of fields are protected by windbreaks/wind strips: (e.g., 50 acre field with windbreaks = 50 acres)	acres owned acres rented
What year did you last plant a windbreak or wind strip?	
Do the plants in the windbreak or wind strip provide food sources (such as flowers), nesting sites or host plants for pollinators?	○ Yes ◉ No
Do you perform annual maintenance on your windbreak(s)/wind strip(s)?	○ Yes ◉ No
What township was this implemented in?	
FRAGILE LAND RETIREMENT	
Please indicate the number of acres of fragile land you have retired in the last 5 years	acres
Do the plants on your retired fragile land provide food sources (such as flowers), nesting sites or host plants for pollinators?	○ Yes ◉ No
What township was this implemented in?	
STRUCTURAL EROSION CONTROL	
When was the erosion control structure implemented?	
Was the erosion control structure designed by an engineer?	○ Yes ◉ No
What township was this implemented in?	
NUTRIENT RECOVERY FROM WASTEWATER OR WASH WATER	
How many nutrient unit equivalents do you contain or manage?	
How many litres of water are treated and/or recycled?	
What year was the water recovery system installed in?	
What township was this implemented in?	

TILLAGE AND NUTRIENT APPLICATION EQUIPMENT MODIFICATIONS	
How many acres are under no-till practices?	acres owned acres rented
How many years have no-tillage practices been implemented?	
How many acres are under strip-till practices?	acres owned acres rented
How many years have strip-tillage practices been implemented?	
Do you have 3 or more crops in your rotation?	○ Yes ○ No
What township was this implemented in?	
EQUIPMENT MODIFICATIONS TO REDUCE SOIL COMPACTION	
Do you have an on-the-go tire inflation system?	○ Yes ○ No
If yes, when was the system installed?	
Do you use high flotation tires to reduce soil compaction?	○ Yes ○ No
If yes, how many acres are impacted through use of this equipment?	acres owned acres rented
What township was this implemented in?	
ADDING ORGANIC AMENDMENTS TO SOIL	
How many acres do you apply organic amendments to?	acres owned acres rented
What type of material do you apply to your fields? (Check all that apply)	☐ Manure ☐ Biosolids ☐ Compost ☐ Anaerobic digestate ☐ Other, specify:
Is adding organic amendments a regular annual practice for your farm?	○ Yes ○ No
If no, what was the most recent year you used this practice?	
What township was this implemented in?	

EQUIPMENT MODIFICATIONS TO IMPROVE MANURE APPLICATION	
How did you modify equipment to better apply organic amendments? (Check all that apply)	☐ Direct injection ☐ Below canopy ☐ Incorporation or pre-tillage ☐ Better rate and flow accuracy ☐ Safety controls and monitoring
What was the most recent year you modified equipment for the application of organic amendments?	
Since the equipment was modified, has it been used in each year of production?	○ Yes ○ No
How many acres are impacted by the use of this equipment	acres
What township was this implemented in?	
MANURE STORAGE IMPROVEMENTS	
Has increasing storage capacity helped reduce soil compaction by allowing you to apply manure at the right time?	○ Yes ○ No
Has increasing storage capacity helped to eliminate the need to spread manure on frozen or snow-covered ground?	○ Yes ○ No
What year did you increase your manure storage capacity to a minimum of 240 days?	
Did increasing storage capacity allow you to increase nutrient use efficiency?	○ Yes ○ No
What township was this implemented in?	
RUNOFF CONTROL FOR LIVESTOCK FACILITIES	
Has a livestock yard been roofed or a covered yard been built within the last 5 years to prevent runoff?	○ Yes ○ No
Have you installed any of the following within the last five years?	☐ Engineered livestock runoff vegetated filter strip ☐ Constructed wetland
Have impermeable surfaces and concrete curb walls been installed or included to direct runoff to storage or treatment areas?	○ Yes ○ No
Did you create an upstream diversion around existing farmyards? (e.g., surface water diversions, berms, surface inlet [catch basin], eaves troughs on existing livestock buildings to divert clean water from entering the livestock yard)	○ Yes ○ No
Did you build storage for runoff or silage leachate?	○ Yes ○ No
Did you create observation and shut-off stations and/or plug tile drains within 15 meters of livestock facilities	○ Yes ○ No
How many nutrient units are managed by runoff control?	
What township was this implemented in?	