STATE OF NEBRASKA
DEPARTMENT OF WATER, ENERGY, AND ENVIRONMENT

PLANS FOR FARM POND DAM CONSTRUCTED BEFORE 2005

Farm pond dams are small-sized dams with either a minimal or low hazard potential. *See Classification of Dams*: https://dnr.nebraska.gov/dam-safety/all-technical-resources-references

Also see *Requirements for Approval of Farm Pond Dams Constructed Before 2005* for additional information regarding specific criteria and requirements: https://dnr.nebraska.gov/dam-safety/all-technical-resources-references

Dam Name: ☐

County: ☐

The following items must be attached to this plan form:

1. Topographic map of the dam and reservoir area that includes reservoir water line at the normal storage elevation.

2. Documentation from an engineer in support of the dam's hazard potential classification.

LOCATION MAP

R ____ ☐ East ☐ West

N

T ____ N

Include Section No. in middle box and show location of dam and stream channel

☐ EXISTING ☐ PROPOSED **PRINCIPAL SPILLWAY PROFILE** ☐ NO PRINCIPAL SPILLWAY

MARK LOCATION OF EACH SPILLWAY ON TOPOGRAPHIC MAP OF DAM

☐ ADDITIONAL CONDUIT CROSS-SECTION(S) ATTACHED

☐ EXISTING ☐ PROPOSED **EMERGENCY SPILLWAY CROSS-SECTION (LOOKING DOWNSTREAM)** ☐ NO EMERGENCY SPILLWAY

MARK LOCATION OF EACH SPILLWAY ON TOPOGRAPHIC MAP OF DAM

☐ ADDITIONAL EMERGENCY SPILLWAY CROSS-SECTION(S) ATTACHED

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☐ EXISTING ☐ PROPOSED **EMERGENCY SPILLWAY PROFILE** ☐ NO EMERGENCY SPILLWAY

SPILLWAY CLASS RATING

Max. Flow Depth (ft):	
Plasticity Index:	
Max. Exit Grade (%):	
Criteria 1 Num. Rating:	
Drop Off Distance (ft):	
Criteria 2 Num. Rating:	
Criteria 3 Num. Rating:	
Total Numerical Rating:	

☐ ADDITIONAL EMERGENCY SPILLWAY PROFILE(S) ATTACHED

HYDROLOGIC AND HYDRAULIC DATA

WATERSHED INFORMATION

Drainage Area (acres):	
Runoff Curve Number:	
Time of Concentration (hr):	

PRINCIPAL SPILLWAY HYDROGRAPH

Recurrence Interval (yr):	
Storm Duration (hr):	
Rainfall Amount (in):	
Runoff Amount (in):	
Peak Inflow (cfs):	
Peak Reservoir Elev. (ft):	
Max. PS Discharge (cfs):	

FREEBOARD HYDROGRAPH

Recurrence Interval (yr):	
Storm Duration (hr):	
Rainfall Amount (in):	
Runoff Amount (in):	
Peak Inflow (cfs):	
Peak Reservoir Elev. (ft):	
Max. PS Discharge (cfs):	
Max. AS Discharge (cfs):	

RESERVOIR STORAGE TABLE

Elev. (feet)	Area (acres)	Storage (ac-ft)	Elev. (feet)	Area (acres)	Storage (ac-ft)

In the above table list and label elevations associated with each spillway and top of dam.

ADDITIONAL COMMENTS, AND/OR LIST OF ATTACHED DRAWINGS

I hereby certify that the dam meets, or will meet after the proposed modifications are completed, the structure and condition criteria for an existing low hazard potential farm pond dam constructed in Nebraska before September 4, 2005.

Engineer _____ Engineering Firm _____

I hereby certify that I am the owner of the dam and reservoir described on this plan form.

Print Name of Dam Owner _____ Signature of Dam Owner or Dam Owner's Authorized Agent _____ Date

Engineer's Seal