



OPERATION AND MAINTENANCE PLAN FOR
**HURRICANE FLORENCE
 EMERGENCY AUXILIARY
 SPILLWAY REPAIR/RETROFIT**



Cooperator Name: _____ Date: _____

Tract/Field: _____ County : _____

The purpose of this plan is to provide guidelines on the routine operation and maintenance of the Auxiliary Spillway of an Agricultural Water Supply/Reuse Pond.

- Routine maintenance is required to achieve the intended function, benefits and life of the practice.
- The minimum life span of the practice is 5years.
- The landowner/operator is responsible for establishing and implementing an inspection and maintenance program for the entire life of the practice.
- Lack of operation and maintenance may cause severe damage to spillway, potentially resulting in complete failure.
- Inspections should be carried out after significant storm events and at least annually to identify repair and maintenance needs.
- Damaged components should be promptly repaired or replaced. Contact the local Soil and Water Conservation District (SWCD) for assistance.
- The primary function of the pond is to provide a water supply source for agricultural uses. The pond may be used for recreational purposes so long as the recreational use does not interfere with the primary function of the pond.

Items to inspect and maintain during the 5-year life of the practice include, but are not limited to, the following:

- Maintain vegetative cover on spillway. Mow frequently and fertilize as needed to encourage vigorous growth. Bare patches should be reestablished as soon as possible.
- Prevent weeds, trees and brush from growing on the spillway areas. Control undesirable vegetative growth by hand cutting, mowing, or herbicide applications. Consult NC Cooperative Extension for herbicide application recommendations.
- Fill rills and gullies in the auxiliary spillway with suitable material and compact thoroughly. Reseed or re-sod these areas and fertilize as needed.
- The auxiliary spillway should remain free of logs, brush and other trash at all times.
- Periodically inspect the dam for cracks, slides, sloughing, settlement, or misalignment. If any of these structural concerns are evident contact the SWCD for assistance.

- Limit vehicular traffic on the grass spillway. Trails or ruts made by such traffic could become large gullies when outflow occurs in the spillway.
- Specific Recommendations:

I acknowledge by my signature below that I am responsible for the operation and maintenance procedures listed above for at least the entire life of the contract; 5 years from the date of final certification of auxiliary spillway construction.

PRINT NAME: _____

SIGNATURE: _____ DATE: _____



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The following table lists the components and areas of the pond that should be evaluated as part of maintenance inspections. If any of the potential problems are observed take the appropriate action to repair or consult the Soil and Water Conservation District for assistance.

Inspections should be carried out after significant storm events and/or at least annually to insure the pond is functioning properly and identify potential problems.

Pond Component or Area	Potential Problem
Auxiliary Spillway	<ul style="list-style-type: none">➤ Signs of any erosion➤ Sedimentation in the spillway➤ Presence of weeds, small trees, logs, fences and other obstructions that reduce channel capacity or may block flow➤ Head cut development in exit channel or along receiving hill slope around outlet stream
Outlet Channel	<ul style="list-style-type: none">➤ Bank cutting or head cut development due to auxiliary spillway flow➤ Sedimentation➤ Fallen trees or other debris accumulation➤ Adjacent property damage➤ Undermining or displacement of riprap, if applicable➤ Damage or deterioration of riprap and plunge pool, if applicable

Additional items of importance specific to this auxiliary spillway:	
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