



**US Army Corps  
of Engineers**

Vicksburg District  
4155 Clay Street  
Vicksburg, MS 39183-3435  
www.mvk.usace.army.mil



# Public Notice

APPLICATION NO.:	MVK-2017-883
EVALUATOR:	Mr. Jason Christy
PHONE NO.:	(601) 631-5298
E-MAIL:	Jason.a.christy@usace.army.mil
DATE:	October 10, 2018
EXPIRATION DATE:	October 31, 2018

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District and the Mississippi Department of Environmental Quality are considering an application for a Department of the Army Permit and State Water Quality Certification for the work described herein. Comments should be forwarded to the Vicksburg District, Attention: CEMVK-OD-F, at the above address, and the Arkansas Department of Environmental Quality, Post Office Box 8913, Little Rock, Arkansas 72219-8913, and must reach these offices by the cited expiration date.

Law Requiring a Permit: Section 404 of the Clean Water Act (33 U.S.C. 1344), which applies to discharges of dredged or fill material into waters of the United States.

Name of Applicant:  
TW & JG Franzen  
1602 Carroll Road  
Paragould, Arkansas 72450

Location of Work: Section 22, T6S-R4W, Latitude 34.1505, Longitude -91.4248, within the Lower Mill Bayou Watershed, in the Bayou Meto Drainage System (8 digit HUC 08020402) Arkansas County, Arkansas.

Description of Work: (See enclosed map and drawings.)

The following descriptions of the proposed project and associated impacts are based upon information provided by the applicant.

The applicant is applying for a Department of the Army permit to place fill in jurisdictional wetlands for the purpose of constructing a perimeter levee to hold water to be managed as a greentree reservoir.

The levee would be approximately 10 feet in width at the top and 3.5 feet high. The levee would allow stormwater to be held at levels not to exceed 24 inches in depth to create a greentree reservoir, approximately 2.77 acres in size.

Approximately 789 cubic yards of clean fill material would be utilized to construct the proposed levee. In order to construct the levee, approximately 0.1-acre of forested wetland would be filled.

The vegetative communities within the project area are dominated by Black Willow, Willow Oak, Locust, and Swamp Privet. Soils within the project area are dominated by Yorktown Silty Clay.

Upon reviewing this notice, you should write to this office to provide your opinion of the impacts this work will have on the natural and human environment and address any mitigation you believe is necessary to offset these impacts. Other comments are welcome, but the above information will further our review of the applicant's plan as proposed. Comments of a general nature are not as helpful as those specific to the impacts of the subject project.

**State Water Quality Permit:** The State Pollution Control Agency must certify that the described work will comply with the State's water quality standards and effluent limitations before a Corps permit is issued.

**Cultural Resources:** The Regulatory Archaeologist has reviewed the latest published version of the National Register of Historic Places, state lists of properties determined eligible, and other sources of information. The following is current knowledge of the presence or absence of historic properties and the effects of the proposed undertaking upon these properties: the permit area is composed (entirely) of low-lying wetlands with no existing or subsided natural levee landforms and therefore, has a low potential for yielding unidentified cultural deposits that may be eligible for the National Register of Historic Places.

**Endangered Species:** Our initial finding is that the proposed work would have no effect on the following threatened and endangered species or their critical habitats: Ivory-billed woodpecker.

**Floodplain:** In accordance with 44 CFR Part 60 (Floodplain Management and Use), participating communities are required to review all proposed development to determine if a floodplain development permit is required. Floodplain administrators should review the proposed development described in this public notice and apprise this office of any flood plain development permit requirements. The project is completely inside of the 100 year floodplain.

**Evaluation Factors:** The decision whether or not to issue a permit will be based upon an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which may be expected to accrue from the proposal must be balanced against its expected adverse effects. All factors which may be relevant to the proposal will be considered; among these are conservation, economics, aesthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use classification, navigation, recreation, water supply, water quality, energy needs, safety, food requirements and, in general, the needs and welfare of the people. Evaluation of the proposed activity will include application of the guidelines published by the Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act.

**Public Involvement:** The purpose of this notice is to solicit comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties. These comments will be used to evaluate the impacts of this project. All comments will be considered and used to help determine whether to issue the permit, deny the permit, or issue the permit with conditions, and to help us determine the amount and type of mitigation necessary. This information will be used in our Environmental Assessment or Impact Statement. Comments are also used to determine the need for a public hearing.

**Opportunity for a Public Hearing:** Any person may make a written request for a public hearing to consider this permit application. This request must be submitted by the public notice expiration date and must clearly state why a hearing is necessary. Failure of any agency or individual to comment on this notice will be interpreted to mean that there is no objection to the proposed work. Please bring this announcement to the attention of anyone you know who might be interested in this matter.




**Notification of Final Permit Actions:** Each month, the final permit actions from the preceding month are published on the Vicksburg District Regulatory web page. To access this information, you may follow the link from the Regulatory web page, <http://www.mvk.usace.army.mil/Missions/Regulatory.aspx>.

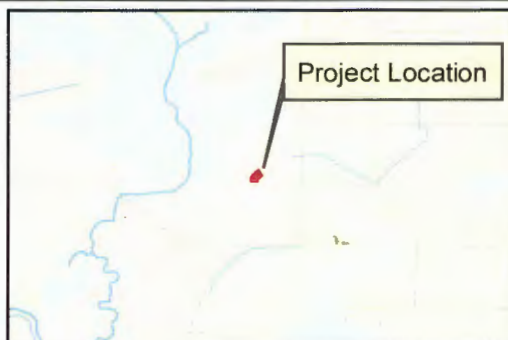
*Thomas A. McCabe*  
Thomas A. McCabe  
Chief, Evaluation Section  
Regulatory Branch



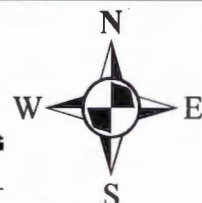
50 130 0 260 Feet

**Legend**

-  Wetland Levee Impacts (0.1 Acres)
-  Levee (503 feet)
-  Updated Pond (2.77 Acres)



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of Engineers**



**Regulatory Branch**

Enforcement Section

Prepared By: Jay Keen

THERE ARE JURISDICTIONAL WATERS OF THE U.S. IDENTIFIED WITHIN THE PROPOSED PROJECT BOUNDARY, THUS A PERMIT MAYBE REQUIRED

**Tom**  
6-5-18

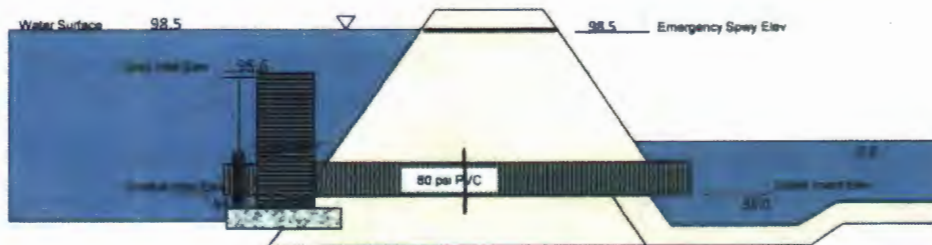
Operator :	0	Farm #:	0
Designed By :	0	Tract # :	0
Designed Checked By :	0	Date :	June 4, 2018
Designed Approved By :	0	Contract #:	0

Designer's approval authority		2		Authority Needed for this Design		2	
<b>Input Data</b>				<b>Output Data</b>			
Type of Survey Data	Conventional			Emb Cu Yds	608		
Structure #	1			Core Trench Cu Yds	181		
Emb Top Elev	99			Berm Cu Yds	0		
Water Surface Elev	97			Total Cubic Yards	789		
Emb Front Side Slope	3 : 1			Emb Length (Ft)	350		
Emb Back Side Slope	2 : 1			Cu Yds / Ft	2		
Emb Top Width	10 ft			Avg Fill Height (Ft)	2.5 ft		
Core Trench Width	5 ft	Sump Width B	1 ft	Max Fill Height (Ft)	3.5 ft		
Core Trench Depth	2 ft	Sump Width T	1 ft	Avg Storage Depth (Ft)	0.5 ft		
Core Trench Side Slopes	1 : 1	Sump Length B	1 ft	Time to Fill Reservoir (Hrs)	0		
Berm Width		Sump Length T	1 ft	Time to Fill Reservoir (Days)	0.0		
Berm Elev		Sump Depth	1 ft	Time To Empty Reservoir (Hrs)	#NUM!		
Shrinkage for Construction (%)	5			Time To Empty Reservoir (Days)	#NUM!		
Reservoir Surface Area (Ac)	4 ac			Storage This Reservoir - AcFt	1.8		
Res Fill Pump Capacity (gpm)	0 gpm			Seeding Area - Acres	0.2		
Primary Soil for Levee	AR001 23A	Stuttgart silt loam, 0 to 1 percent slopes					
<b>Reservoir Drain Pipe Only</b>							
Pipe #	Type of Pipe	Size	Length of Pipe (ft)	Flow (GPM) Full	Flow (GPM) 1/2 Full	Time To Empty Reservoir - Days	
1	Steel Pipe	15 in	30 ft	#NUM!	#NUM!	#NUM!	
2	Steel Pipe	15 in	30 ft	#NUM!	#NUM!	#NUM!	
0				0	0	0.0	
<b>Reservoir Drain Pipe Gate Only</b>							
Gate #	Type of Gate	Size	Qty	Note: The flow of pipes are based upon upon minimum slope of pipe through emb and outlet not submerged Time to empty reservoir in Output Data above is for ALL pipes open at same time Time to empty reservoir in box immediately above this note is time for each individual pipe to empty reservoir			
1	No Gate	0 in	0				
0							
<b>Notes</b>							
recommend 18"x15" riser tees installed on the (2) 15" pipes, with anti-seep collars mid-way							

2 riser tees 18" x 15" . 186

Water Control or Grade Stabilization Structure - Pipe Drop

Farm Plan for :		Farm #:	
System # :		Tract # :	
Designed By :		Date :	June 4, 2018



Selected Method for Qcfs	Constal-Cultivated Drainage
Enter Drainage Acres	90
Design Qcfs	11

Input Data for Design

Select Practice	Water Control-PD
Structure #	1 & 2
Top of Emb Elev	99.0
Em Spwy Elev	98.5
Water Surface Elev	98.5
Drop Inlet Elev	95.6
Conduit Inlet Elev	94.0
Conduit Outlet Elev	93.0
Tailwater Elev	
Lgth of Conduit Pipe	30
Select Type of Pipe	80 psi PVC
Select Type of Gate	No Gate

Enter Riser Pipe Dia (in)	18
Calculated Flow Qcfs	14
Note: Orifice Flow is controlling Head over Riser is Adequate	

Enter Conduit Pipe Dia (in)	15
Calculated Flow Qcfs	12
Note: Orifice Flow is controlling. Consider increasing inlet head, using pipe with greater "d" value, or conduit gradient is too steep.	

Flow Through Structure  
12 cfs  
The Conduit Pipe is Controlling Flow.

Water Control or Stabilization Structure - Pipe Drop				
Item	Type	Size	Length or Qty	Unit
Riser	80 psi PVC	18	1	EA
Conduit	80 psi PVC	15	30	LF