



DEPARTMENT OF THE ARMY

NEW ORLEANS DISTRICT CORPS OF ENGINEERS

P.O. BOX 60267

NEW ORLEANS, LOUISIANA 70160-0267

REPLY TO  
ATTENTION OF:

CELMN-PP

14 March 1994

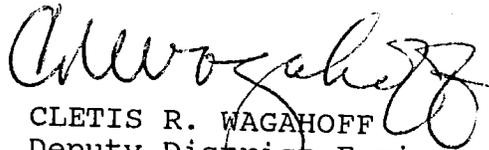
MEMORANDUM FOR Commander, Lower Mississippi Valley Division,  
Attn: CELMV-DP-P

SUBJECT: Lake Pontchartrain and Vicinity, LA Hurricane Protection  
Project, Project Management Plan

Enclosed for your review and comments is the Project Management  
Plan for the Lake Pontchartrain and Vicinity, LA hurricane  
protection project. This PMP contains the same schedules as  
presented in the current LRS report, with minor variation.

FOR THE COMMANDER

12 Encls  
as

  
CLETIS R. WAGAHOFF  
Deputy District Engineer  
for Project Management

## SCOPE OF WORK

I. Authorization. Flood Control Act of 1965 and Water Resources Development Acts of 1974, 1986, and 1990.

II. Description. The project provides protection from the Standard Project Hurricane for the New Orleans Metropolitan Area on the East Bank of the Mississippi River and includes portions of Orleans, Jefferson, St. Bernard, and St. Charles Parishes.

The New Orleans West Unit consists of a new levee in St. Charles Parish north of U.S. Hwy 61, from the Jefferson-St. Charles Parish boundary to the east Bonnet Carre' Spillway guide levee; a new floodwall in Jefferson Parish along the Jefferson-St. Charles Parish line joining an enlarged and strengthened levee along the Jefferson Parish lakefront and a floodwall at the west side of the 17th Street Outfall Canal.

The New Orleans East Unit consists of an enlarged levee on the Orleans lakefront landward of the seawall; a floodwall on the east side of the 17th Street Canal, and both sides of the London Avenue and Orleans Avenue outfall canals; a new and enlarged levee and floodwall along both sides of the Inner Harbor Navigation Canal (IHNC); a new levee and floodwall along the lakefront from the airport to South Point; an enlarged levee from South Point to the Gulf Intracoastal Waterway (GIWW) at Chef Menteur; and an enlarged and new floodwall along the north bank of the Mississippi River-Gulf Outlet (MRGO) and GIWW from the IHNC to Chef Menteur.

The Chalmette Unit consists of a new levee in the Chalmette area from the IHNC levee along the south bank of the MRGO to approximately 2 1/2 miles northwest of Verret and west to the Mississippi River levee near Caernarvon.

III. Plan of Improvement. The plan of improvement is divided into five separable units: the Barrier Unit, Mandeville Unit, New Orleans East Unit, New Orleans West Unit and Chalmette Unit. The Barrier Unit is complete and the Mandeville Unit is indefinitely postponed and is not scheduled. The project plan includes mitigation which consists of a stone segmented breakwater for marsh protection in the Manchac Wildlife Management Area. The land designated for project mitigation is adjacent to the Manchac Wildlife Management Area and is located within the Lake Pontchartrain project area. The segmented breakwater will prevent marsh erosion and allow marsh to rebuild landward of the breakwater. The plan includes planting and fertilizing proper marsh grasses to accelerate the marsh building. The mitigation plan is sponsored by all of the project sponsors with the local share of the funds furnished by the Louisiana Department of Natural Resources. The New Orleans East Unit, New Orleans West Unit, and the Chalmette

Unit are the three active units. This PMP will only cover the active units.

#### IV. Project Execution:

##### A. Preconstruction Engineering.

The Project was authorized in October 1965. Design started immediately and construction began in 1967.

All design memorandums are complete except for supplements needed to clarify design resulting from more detailed study.

##### B. Construction Phase.

###### New Orleans West Unit

St. Charles Parish. Construction started in St. Charles Parish in October 1992. Reach 1A First Lift and Reach 2A Sand Fill levee contracts are complete. Reach 2B sand fill levee contract will start this summer. Remaining work includes the finishing of the first lift on the levees and the subsequent lifts required to allow the levee not to settle below the required protection height; floodwalls at the Good Hope Gas Field, Interstate 310, and the railroad crossing; and the drainage structures.

Jefferson Parish. The work is progressing well in Jefferson Parish. The first lift of the lakefront levee, the floodwall on the Jefferson Parish-St. Charles Parish line, and the floodwall on the west side of the 17th Street Outfall Canal are complete. Remaining work consist of future lifts on the lakefront levee, floodwalls at the lakefront pumping stations, and flood protection at three road crossings.

###### New Orleans East Unit.

The New Orleans East Unit is virtually complete east of the Inner Harbor Navigation Canal. With completion of the levee enlargement from Southpoint to GIWW, currently under construction, the only work remaining is to close a small gap in the New Orleans East Back Levee and to construct a final enlargement on a section of the Back Levee.

West of the Inner Harbor Navigation Canal all work is complete except for the parallel protection work on the Orleans Avenue and London Avenue Outfall Canals, some sheetpile capping, and floodproofing the bridges on the 17th Street Canal.

## Chalmette Unit.

The Chalmette Unit is a complete ring of protection around St. Bernard Parish and the portion of Orleans Parish south of the Gulf Intracoastal Waterway. A small amount of work remains to be done; capping some exposed and construction of the final lift on the Verret to Caernarvon levee when the levee settles below the project grade.

## V. Status of Project.

The New Orleans East unit of the project, that includes the City of New Orleans, is 90% complete. The only major work remaining is raising the parallel protection at the Orleans Avenue and London Avenue outfall canals to about 14 feet above sea level. We will be finished in Jan 2000.

The New Orleans West Unit, Jefferson, and St. Charles Parish is 30% complete and will be completed in November 2013. The major work remaining is in St. Charles Parish. Jefferson Parish has a good level of protection.

The Chalmette Unit, St. Bernard Parish, and Orleans Parish south of the GIWW, is 97% complete with only some small gap closures and final topping left to do. We will finish in January 1997.

The entire project is about 80% complete. The major items remaining to be done are the outfall canals and the St. Charles Parish Levee. We started construction on the St. Charles Levee in 1991 and started construction on the outfall canals in 1993.