

CELMN-OD-R

DEC 19 1991

MEMORANDUM FOR Commander, Lower Mississippi Valley Division,  
ATTN: CELMV-CO-0

SUBJECT: Project Operations - Inspection of Completed Works

1. In accordance with ER 1150-2-301, ER 1130-2-339, and DIVR 1130-2-304, a negative report is submitted herewith for unsatisfactory maintenance by local interests for all features originally authorized under the Mississippi River and Tributaries Project and under Construction General.

2. Included also are inspection reports for New Orleans District projects.

- 3 Encls (trip)
- 1. Rept. Completed  
Eng Form 4390-R
- 2. Rept, MR&T Levees
- 3. Rept, Small Flood Control Projects

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 KENNETH H. CLOW  
 COL, EN  
 Commander

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1994 Annual Inspection for Maintenance of Completed MR&T Flood Control Works in the New Orleans District

MEMORANDUM FOR THE DISTRICT COMMANDER, NEW ORLEANS DISTRICT

1. The 1994 inspections of FCMR&T levees, floodwalls, and drainage structures operated and maintained by local interests were conducted during the period September 14 through November 18, 1994.
2. All inspections were conducted by the District Commander and/or his Deputy, appropriate members of Operations and Readiness Division, Engineering Division, Construction Division, Programs and Project Management, Real Estate Division, the Louisiana Department of Transportation and Development (LA DOTD), and Levee Board Commissioners and their staff.
3. Comments on the condition of levees, of maintenance performed by local interests during the year, and our ratings are as follows:

a. RED RIVER, ATCHAFALAYA and BAYOU BOEUF LEVEE DISTRICT

The levee system within LMN consists of the Mansura Hills to Hamburg levee (20.3 miles), Bayou des Glaisses fuse plug levee (8.1 miles), Atchafalaya River levee - right descending bank (43.0 miles), and a portion of the west Atchafalaya Basin protection levee (34 miles).

The inspection was conducted on September 14, 1994. The levee was well maintained and the crown was in excellent condition. The inspection team stopped by the Coulee des Grues drainage structure in Marksville, Louisiana, to inspect an erosion problem occurring around a 24-inch corrugated metal pipe that drains a portion of La. Hwy. 1 through the side wall of the structure's stilling basin. A representative of LA DOTD (Alexandria) was at the inspection, and he agreed that the problem was the responsibility of LA DOTD since the drain pipe belongs to them. LA DOTD and levee district forces completed replacement and repair in November 94. An OUTSTANDING rating is assigned.

b. FIFTH LOUISIANA LEVEE DISTRICT

The levee system within LMN consists only of the right descending Mississippi River levee (16.8 miles) between Black Hawk, LA, and the Old River lock. They are also responsible for 338 miles of levees in LMK.

The inspection was conducted on September 15, 1994. The levee was well maintained and the crown was in excellent condition. An OUTSTANDING rating is assigned.

c. ATCHAFALAYA BASIN LEVEE DISTRICT

The levee system consists of the following reaches of river and floodway levees:

Levee along the south and west banks of lower Old River and the right descending Mississippi River levees from Barbre Landing in Pointe Coupee Parish to Bayou Lafourche at Donaldsonville, Ascension Parish (length is 119 miles, including 1.2 miles of spur dikes and the 3,906-foot length of the Morganza control structure) the upper Morganza floodway levee (length is 12.0 miles including 3.0 miles which is a part of the mainline levee at Morganza control structure); the lower Morganza floodway levee and the east Atchafalaya Basin protection levee extending from the west end of the Mississippi River levee at Morganza, along the east side of the Atchafalaya Basin to a point approximately 6 miles south of Morgan City, in St. Mary Parish (length is 92.6 miles, of which 5.8 miles is maintained by the City of Morgan City and St. Mary Parish); the west Atchafalaya Basin protection levee from Bayou Courtableau in St. Landry Parish along the west side of the Atchafalaya Basin to the Gulf Intracoastal Waterway below Berwick, in St. Mary Parish (length is 92.6 miles, of which 4.9 miles below the lower Atchafalaya River is maintained by the Town of Berwick and St. Mary Parish); the left descending Atchafalaya River levee from Barbre Landing in Pointe Coupee Parish to a point about 1.5 miles above the head of Whiskey Bay Pilot Channel in St. Martin Parish (length is 51.1 miles); the right descending Atchafalaya River levee from Bayou Courtableau in St. Landry Parish to a point below Butte Larose settlement in St. Martin Parish (length is 18.0 miles); total length of levees in the district is 387.0 miles.

The levee inspection was conducted on September 19 and 20, 1994. The levees and floodwalls were well maintained. An OUTSTANDING rating is assigned.

d. MORGAN CITY

The protection system north of the Southern Pacific Railroad is known as "Morgan City Front", consists of 213 feet of earthen levee, 1.3 miles of concrete floodwall, a pumping station and 1600 feet of storm drainage facilities; south of the railroad is known as "Tiger Island", consists of 1.6 miles of levee, 2,000 feet of concrete floodwall, a pumping station, and 2,500 feet of storm drainage facilities.

The inspection was conducted on September 20, 1994. There were no significant maintenance deficiencies noted. A SATISFACTORY rating is assigned.

e. TOWN OF BERWICK

The protection system consists of 1.6 miles of levee, 0.9 mile of concrete floodwall, and a gated drainage structure to provide protection for a 32-inch storm sewer passing through the floodwall.

The levee system consists of the following:

The inspection was conducted on September 20, 1994. Portions of the levee system were under construction to be enlarged at the time of the inspection; those sections were not included in the inspection. There were no significant maintenance deficiencies noted. A SATISFACTORY rating is assigned.

f. ST. MARY PARISH

The protection system consists of 63 miles of levee, 11 drainage pumping stations, drainage structures, and numerous culverts.

The inspection was conducted on September 21, 1994. There were several levee contracts to be awarded in FY 94 & 95; however, these contracts may be delayed until FY 95 because of the new requirements to conduct Hazardous, Toxic, and Radioactive Waste (HTRW) assessments for borrow pit sites. There were no significant maintenance deficiencies noted. AN OUTSTANDING rating is assigned.

g. EAST JEFFERSON LEVEE DISTRICT

This district is responsible for maintaining 12 miles of levee on the east bank of the Mississippi River and 17.5 miles of hurricane protection levees and floodwalls along and adjacent to Lake Pontchartrain, within Jefferson Parish.

The river levee, hurricane protection levees, and floodwalls were inspected on October 4, 1994. The levees and floodwalls were exceptionally well maintained. An OUTSTANDING rating is assigned.

h. ORLEANS LEVEE DISTRICT

This district is responsible for maintaining 125.9 miles of levees and floodwalls in Orleans Parish; 13.3 miles on the east bank of the Mississippi River and 13.9 miles on the west bank, and 600 98.7 miles along the shore of Lake Pontchartrain and canals connected thereto. The district also controls 22 miles of spillway area in lower Plaquemines Parish on the east bank of the Mississippi River from Bohemia Plantation to Ostrica; 8.3 miles of this reach is still protected by a levee.

The inspection was conducted on October 7, 1994. There were no significant maintenance deficiencies noted. The mainline river levees and floodwalls were inspected on October 7, 1994, and the hurricane protection levees were inspected in June 1994. The Holy Cross levee enlargement project that was ongoing during last year's inspection was completed in April 1994. Presently, the only ongoing river levee enlargement work is on the west bank in the vicinity of the Naval Reservation. An OUTSTANDING rating is assigned.

i. WEST JEFFERSON LEVEE DISTRICT

This district is responsible for maintaining 20.2 miles of levee on the west bank of the Mississippi River and 40 miles of back levees, which are being upgraded under the West Bank Hurricane Protection Project, in Jefferson Parish.

The mainline river levee was inspected on October 11, 1994. The hurricane protection levees will not be inspected until construction is completed. The river levee and floodwall segments were in excellent condition. There are two levee enlargement contracts underway within the levee district. One is the Gretna (Phase 2B) levee enlargement contract which is approximately 85 percent complete. The other levee enlargement contract underway is within the Avondale area, and it is approximately 17 percent complete. During the 1994 high water season, serious bank erosion was experienced in the area immediately downstream of the Harvey Lock. Emergency bank protection measures (rock) were successful. The rock is being removed while the levee section is being rebuilt. The rock will then be placed on the rebuilt levee section. An OUTSTANDING rating is assigned.

j. LAFOURCHE BASIN LEVEE DISTRICT

This district is responsible for maintaining 61.3 miles of levee on the west bank of the Mississippi River between Donaldsonville, LA, and the Jefferson-St. Charles Parish line.

The levee was inspected on October 13, 1994, and was found to be in excellent condition. A minor problem was found along the levee crown in an area where florolite had been installed as a levee crown surfacing material approximately 2 years ago as part a levee enlargement project. It was determined that the deterioration of the florolite was not the fault of the levee district, and that a contract would be let to replace the florolite with crushed limestone in the areas where the florolite has deteriorated. Currently, there are three levee enlargement projects (Philadelphia Point-Donaldsonville; Point Houmas; and Welcome-Moonshine) ongoing within the levee district. The Oak Alley-Willow Grove levee enlargement project is scheduled to be awarded in February 95. An OUTSTANDING rating is assigned.

LAKE BORGNE BASIN LEVEE DISTRICT

This district is responsible for maintaining 12 miles of levee on the east bank of the Mississippi River, 43 miles of hurricane protection levee along and adjacent to the MRGO, 5 pumping stations, and 19 internal drainage canals in St. Bernard Parish.

The mainline river levee was inspected on November 4, 1994. The levee and sections of floodwall were well maintained. An OUTSTANDING rating is assigned.

1. GRAND PRAIRIE LEVEE DISTRICT

This district is one of three under the direction of the Plaquemines Parish Government and is responsible for maintaining 37.4 miles of levee on the east bank of the Mississippi River between the St. Bernard-Plaquemines Parish line and the Bohemia Spillway, and 33.4 miles of hurricane protection levee behind the mainline river levee.

The levees were inspected on November 4, 1994. All levees were in excellent condition. There are approximately 9 miles of Mississippi River levee currently undergoing a second enlargement. This work is currently nearing completion. An OUTSTANDING rating is assigned.

m. PONTCHARTRAIN LEVEE DISTRICT

This district is responsible for maintaining 111 miles of levee on the east bank of the Mississippi River from a point just below Baton Rouge to the Jefferson Parish line.

The levee was inspected on November 10, 1994. The levee, cattle guards, and fences were well maintained; no significant deficiencies were noted. There were two ongoing levee enlargement projects covering approximately 12.3 miles of levee. There is one more levee enlargement project, Point Claire-Carville, that is scheduled to be awarded in Dec 94. The inspection team also stopped in the vicinity of the Marchand levee setback to inspect some cracks that have developed on the batture in the area of the old levee. So far, all surveys and inclinometer readings indicate that there is no apparent movement of the setback levee, batture, or river bank. It is believed that the cracks are the result of continued settlement of the area; however, the area will be closely monitored and studied for further movement. An OUTSTANDING rating is assigned.

n. METROPOLITAN COUNCIL OF BATON ROUGE

This Department of Public Works is responsible for maintaining only 2.1 miles of levee on the east bank of the Mississippi River at Baton Rouge.

The levee was inspected on November 10, 1994. At the time of the inspection, approximately 1 mile of the 2.1 miles of levee was under construction to be enlarged. This work is nearing completion. An OUTSTANDING rating is assigned.

o. PLAQUEMINES PARISH WEST BANK LEVEE DISTRICT

This district is another of three levee districts under the direction of the Plaquemines Parish Government and is responsible for maintaining approximately 37.9 miles of levee on the west bank of the Mississippi River from the Orleans-Plaquemines Parish line to approximate river mile 44.0 AHP at Point Michel.

The inspection was conducted on November 18, 1994, and the levee was well maintained. There was no ongoing levee enlargement work within the district, and there are no contracts scheduled to be awarded FY 95. There remains approximately 7.2 miles of levee within the district that is scheduled for a second lift in FY 96. An OUTSTANDING rating is assigned.

p. BURAS LEVEE DISTRICT

This district is also under the direction of the Plaquemines Parish Government and is responsible for maintaining 34.1 miles of levee on the west bank of the Mississippi River from Point Michel to Venice, LA, and 34.4 miles of hurricane protection levees behind the river levee.

The river levee was inspected on November 18, 1994, and it was considered well maintained. There is no more work scheduled for the Mississippi River levee in this district since the levee has been raised to an acceptable hurricane protection level. An OUTSTANDING rating is assigned.

of the area however, the area of the levee was studied for further movement.

maintaining only 2.1 miles of levee on the west bank of the Mississippi River at Baton Rouge.

The levee was inspected on February 10, 1995, and at the time of the inspection, approximately 1 mile of the 2.1 miles of levee was under construction. An OUTSTANDING rating is assigned.

of the Mississippi River from the Orleans Highway to the east line to approximately river mile 44.2 at Pointe a la Pique.

MEMORANDUM FOR C/Operations and Readiness Division

SUBJECT: 1994 Annual Inspection of Small Flood Control Projects, New Orleans Area

1. In accordance with requirements of DR 1130-2-3, the inspection report for those projects requiring annual inspections in the New Orleans area is submitted.

2. Flood control projects listed below, with the exception of two, were inspected by helicopter on 23 November 1994 by Brian Keller, Michael Lowe, and Charlie Everhardt, and all were rated satisfactory. Note: Semi-annual inspection reports from local interests have been received and no problems were reported.

| <u>Project</u>         | <u>Remarks</u>  |
|------------------------|---|
| Bayou Vincent, LA      | Because of its small channel size and heavy tree growth along both sides of the channel, it is difficult to inspect the channel from the air. Therefore, this channel was inspected from the ground where it was found to be free flowing and unobstructed.   |
| Selser Creek, LA       | This project was in good condition. The small channel appeared to be free flowing, with no debris or fallen trees in the channel.   |
| Pontchatoula Creek, LA | This project was in good condition. The channel appeared to be unobstructed and free flowing. No aquatic growth or fallen trees in the channel were visible.  |
| Yellow Water River, LA | This project was in good condition. The channel appeared to be free flowing, with no debris or fallen trees in the channel.   |
| Natalbany River, LA    | The project was in satisfactory condition. Although the channel was free flowing, there were some areas in the upper reaches of the river where debris has collected along the banks which should be removed by the local assuring agency. Local interests will be advised to clear banks. Note that this channel is periodically inspected and sprayed as necessary by the Corps' Aquatic Growth unit. |



CELMN-OD-R

SUBJECT: 1994 Annual Inspection of Small Flood Control Projects,  
New Orleans Area

MEMORANDUM FOR THE ASSISTANT CHIEF OF STAFF AND DISTRICT ENGINEER

Tickfaw River, LA

On the day of our inspection the water level in the upper reaches of the river was very low, however, it was free flowing. Because of the low river flow, there was some debris and a few fallen logs that should be removed by the local assuring agency. Local interests will be advised to clear debris. The lower reaches of the river were clear and free flowing. Overall, the project was generally in good condition. Note that this channel is periodically inspected and sprayed as necessary by the Corps' Aquatic Growth unit.

Amite River and  
Tributaries, LA

This project was generally in good condition. On the day of the inspection the water level in the upper reaches of the channel was very shallow, however, the channel was still free flowing and unobstructed. As a result of complaints from the Amite River Basin Commission against local interests and the Corps stating that the project was not performing as designed, this past year a hydraulic analysis was performed by our hydraulic section, and it was determined that the channel was performing satisfactorily. The navigation channel through the weir appeared to be adequately defined with pilings. Note that this channel is periodically inspected and sprayed as necessary by the Corps' Aquatic Growth unit.

Choctaw Bayou and  
Chalpe Bayou, LA

This project was in good condition. The project is located in a marshy area with sparsely spaced trees along both banks. The channel was clear, open, and free flowing. Note that this channel is periodically inspected and sprayed as necessary by the Corps' Aquatic Growth unit. Local assuring agency. Local interests

New River, LA

This project was in good condition. The channel was visibly free flowing and open. No obstructions were noted that would impede flow. Note that this channel is periodically inspected and sprayed as necessary by the Corps' Aquatic Growth unit.

CELMN-OD-R

SUBJECT: 1994 Annual Inspection of Small Flood Control Projects,  
New Orleans Area

Bayou Francois, LA

This project was in good condition. The channel was free flowing and appears to be clear and open. No obstructions were noted that would impede flow. Note that this channel is periodically inspected and sprayed as necessary by the Corps' Aquatic Growth unit.

Bayou L'Eau Bleu, LA

This project was not included in the aerial inspection due to the lack of time and its distant location from the other projects. It was inspected by boat by the Corps' Aquatic Growth unit. This channel is periodically inspected and sprayed as necessary by the Corps' Aquatic Growth unit. The channel was found to be clear of debris and free flowing. There have been no complaints on this waterway. Overall, the project is in good condition.

GERARD A. COLLETTI  
Chief, Readiness Branch

Copy Furnished:

Area Engr, NOAO  
Area Engr, LAO  
C|Constr Div

This project was in good condition. The channel was free flowing and appears to be clear and open. No obstructions were noted that would impede flow. Note that this channel is periodically inspected and sprayed as necessary by the Corps' Aquatic Growth unit.

This project was not included in the aerial inspection due to the lack of time and its distant location from the other projects. It was inspected by boat by the Corps' Aquatic Growth unit. This channel is periodically inspected and sprayed as necessary by the Corps' Aquatic Growth unit.

**LOCAL PROTECTION PROJECTS (Local Maintenance Responsibility) CONSIDERED DEFICIENT AS OF DECEMBER 19**

(ER 1130-2-359)

REPORTS CONTROL SYMBOL:  
(DAEN-CIO-10)

| PROJECT | DEFICIENT IN MAINTENANCE OF   |                           |            |                         |                              |                |                     |                |               |                      | DEFICIENT IN CONTROL OF |                         |             | ESTIMATED COST    |         | REMARKS |    |    |   |   |                              |    |   |
|---------|-------------------------------|---------------------------|------------|-------------------------|------------------------------|----------------|---------------------|----------------|---------------|----------------------|-------------------------|-------------------------|-------------|-------------------|---------|---------|----|----|---|---|------------------------------|----|---|
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|         | READINESS FOR FLOOD EMERGENCY | LOCAL MAINTENANCE PROGRAM | FLOODWALLS | LEEVE SECTION AND GRADE | LEEVE CROWN ROADWAYS & GATES | REvetTED AREAS | DRAINAGE STRUCTURES | PUMPING PLANTS | PONDING AREAS | CHANNELS & FLOODWAYS | CLOSURE STRUCTURES      | ENCROACHMENT & TRESPASS | WILD GROWTH | BURROWING ANIMALS | GRAZING |         |    |    | LOCAL INTEREST NOTIFIED OF EXISTING DEFN. | RESTORING PROJECT TO SATISFACTORY CONDITION (\$000's) | ANNUAL MAINTENANCE (\$000's) |    |   |
| NONE    |                               |                           |            |                         |                              |                |                     |                |               |                      |                         |                         |             |                   |         |         |    |    |   |   |                              |    | There were no federal levees rated "Unsatisfactory" in accordance with DR 1130-2-3. See geomorphy inspection reports. |
|         |                               |                           |            |                         |                              |                |                     |                |               |                      |                         |                         |             |                   |         |         |    |    |   |   |                              |    |   |
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|         |                               |                           |            |                         |                              |                |                     |                |               |                      |                         |                         |             |                   |         |         |    |    |   |   |                              |    |   |

FORM 4390-R  
REPLACES ENG FORM 4390-R(1) WHICH IS OBSOLETE.

ENCL 1  
(21)