



SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY - EAST

February 5, 2015

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Lake Borgne Basin Levee District Monthly Director's Report

REGIONAL DIRECTOR

Robert A. Turner Jr., P.E., CFM

EAST JEFFERSON LEVEE DISTRICT

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LAKE BORGNE BASIN LEVEE DISTRICT

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ORLEANS LEVEE DISTRICT

Gerard J. Gillen, III, P.E. - *Executive Director*
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I Safety

- A. 0 injuries since last report
- B. 0 accidents since last report.

II Construction / Capital Improvements

A. HMGP

- 1) Phase 1 for the Engine Upgrades at Stations 1&4
 - i. 95% drawings received on 10/13/14.
 - ii. Comment resolution meeting held on 11/13/14
 - iii. 100% drawings are due soon.
- 2) Phase 1 Safe Room Design at Stations 1&7
 - i. Safe Room and telemetry designs are at 100%.
 - ii. Release of Phase 2 funds still pending.
 - iii. Anticipate work beginning as soon as funds are released.
- 3) Drainage improvements along Bluebird and Palmisano Canals
 - i. Work is through a CEA with St. Bernard Parish.
 - ii. Funded through HMGP grant.
 - iii. Design is ongoing.

B. FEMA Public Assistance

- 1) Pump Station #6 Pump repair / Hangers at PS#6&7
 - i. 95% designs have been submitted.
 - ii. Will be advertised after Erosion Repair project.
 - iii. Evans Graves will perform CM/PM services.
- 2) Pump Station #6 Erosion Repair
 - i. Design and bid documents are complete.
 - ii. Intend to advertise as soon as possible.
 - iii. Evans Graves will perform CM/PM services.

III O&M

A. Levee Systems

- 1) **Non-Federal Levee**
 - i. Efforts to certify the 40 Arpent Levee to FEMA criteria are ongoing.
 - ii. Areas needing work to meet criteria are being addressed.
 - iii. Design work and alternatives for areas along the Violet Canal are continuing.
- 2) **Mississippi River Levee**
 - i. USACE Annual inspection was conducted 2/3/15.
 - ii. Minor repairs and slope paving projects scheduled in next few weeks.
 - iii. .

B. Drainage Canals

- 1) Crews are currently clearing the ROW along 40 Arpent Canal in Chalmette
- 2) Continued routine maintenance along drainage canals.

C. Caernarvon Sector Gate

- 1) Inspections with assistance from OLD personnel are ongoing.
- 2) Significant Issues identified:
 - i. High water content in hydraulic oil identified during last oil sample test.
 - 1.) LBBLD, OLD, USACE and HydroDyne conducted a site visit on 10/1/14 to evaluate problem.
 - 2.) USACE will have HydroDyne make necessary modifications.
 - ii. Paint peeling on gate skin was inspected by USACE on 8/6/14, final report and guidance for the necessary corrective action is still pending.
 - iii. Reporting gauges have been repaired and are functioning correctly.

D. Pump Stations

- 1) Turbocharger on the west engine of Pump Station 4 was replaced on 12/30/15 and station is functioning at full capacity. Bearing failed, causing the impeller to damage the housing. Cause was likely due to age and normal wear.
 - i. Replacement part was located in the Netherlands, part has cleared customs and is at Conhagen's facility being prepped for installation.

IV Inspections

Schedule for next inspection cycle

- 1) 4Q 2014 Inspections scheduled for 12/12/14
- 2) Preparations for USACE annual Inspection of MRL ongoing, tentatively scheduled for mid-January 2015

V Flood Fight Activities

No flood fight activities to report.

VI Personnel

No new hires in the last 30 days.

VII Budget

No new budget items since last report.

VIII Executive Director's Assessment

The ongoing certification efforts for the non-federal levee continues to progress. Priorities are continuation of design based on available information, and LBBLD and SLFPA-E staffs continue to work on funding sources for repairs as we refine the design efforts.

The financial shortfall remains the most significant challenge. LBBLD's proposed 7.5 mil increase will be put before the voters of St. Bernard on May 2. The implications of the millage failure and alternative approaches for closing the shortfall are being discussed with the LBBLD and SLFPA-E staff and commissioners.