



# SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY - EAST

September 3, 2014

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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

Fran Campbell, CPA - *Executive Director*  
203 Plauche Court  
Harahan, LA 70123  
504.733.0087 | [admin@ejld.com](mailto:admin@ejld.com)

## LAKE BORGNE BASIN LEVEE DISTRICT

Nicholas P. Call - *Executive Director*  
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504.682.5941 | [admin@lbbld.com](mailto:admin@lbbld.com)

## ORLEANS LEVEE DISTRICT

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6920 Franklin Ave  
New Orleans, LA 70122  
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## I Safety

- A. 1 Injury this month
- Hot weather related injury.
  - Employee was treated for dehydration and has returned to work.
  - Supervisors have been re-briefed on heat related injuries.

- B. 0 accidents since last report.

## II Construction / Capital Improvements

### A. HMGP

- Phase 1 for the Engine Upgrades at Stations 1&4
  - 95% drawings due first week of October.
  - BCA is still ongoing, but we anticipate a favorable outcome.
- Phase 1 Safe Room Design at Stations 1&7
  - Safe Room and telemetry designs are at 100%.
  - Designs are approved by FEMA Region VI.
  - Awaiting release of construction funds from GHOSEP.
- Drainage improvements along Bluebird and Palmisano Canals
  - Work is through a CEA with St. Bernard Parish.
  - Funded through HMGP grant.
  - Design is ongoing.

### B. FEMA Public Assistance

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

### **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. Crews improved drainage along flood side toe along batture.
- ii. Slope paving repairs scheduled for 4<sup>th</sup> quarter 2014.

#### **B. Drainage Canals**

Continued routine maintenance along drainage canals.

#### **C. Caernarvon Sector Gate**

- 1) Inspections with assistance from OLD personnel are ongoing.
- 2) Significant Issues identified:
  - i. Paint peeling on gate skin was inspected by USACE on 8/6/14, report pending.

#### **D. Pump Stations**

- 1) Turbocharger on the west engine of Pump Station 4 needs to be replaced.
  - i. Bearing failed, causing the impeller to damage the housing.
  - ii. Cause is likely due to age and natural wear.
  - iii. A replacement has been located and is in the process of being purchased.

### **IV Inspections**

#### **Schedule for next inspection cycle**

- 1) 3Q 2014 Inspection date TBD
- 2) LPV 146 and 148 final inspections were conducted in 7/29/14 and 8/8/14.
- 3) LPV 145 final inspection was conducted on 8/13/14

### **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 to report.

## **VIII Executive Director's Assessment**

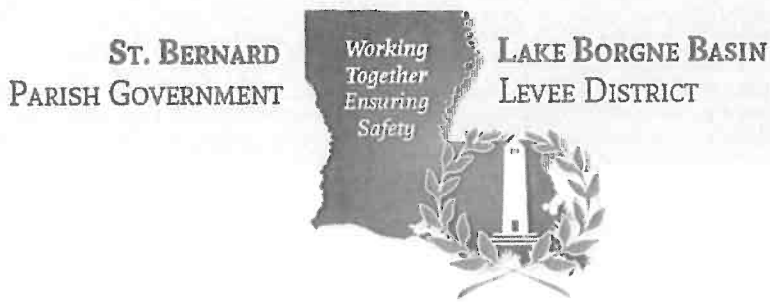
The ongoing certification efforts for the non-federal levee continues to progress. Priorities are continuation of design based on available information, and LBBLD and SLFPA-E staffs continue to work on funding sources for repairs as we refine the design efforts.

The Pump Station 2&3 Seepage Repair project is underway. The contractor has mobilized and pre-construction pump tests were conducted on 8/29/14. This work is expected to take about a year to complete.

Our collaboration with St. Bernard Parish on the Community Outreach and Education program has been a great success. We continue to provide regular emails to stakeholders and community leaders updating them on projects related to flood risk and improvements to the infrastructure of St. Bernard Parish. This effort will also be incorporated into the Community Rating System (CRS) in an attempt to further lower flood insurance premiums through non-structural risk mitigation measures.

The financial shortfall remains the most significant challenge. A resolution supporting LBBLD's proposed 7.5 mil increase will be put before the SLFPA-E Board at the 9/18/14 meeting. This increase will offset the current budget deficit and ensure that the levee district has the long term financial resources to maintain the system and drainage features within its jurisdictional boundaries. This increase is expected to be placed on the December 6 ballot in St. Bernard Parish.

**From:** St. Bernard Parish Government & Lake Borgne Basin Levee Dist.  
<news@estopinalgroup.com>  
**Sent:** Thursday, August 28, 2014 8:06 AM  
**To:** director@lbbld.com  
**Subject:** St. Bernard Parish Flood Risk Control Projects-LBBLD Pump Engine Upgrades



## St. Bernard Parish Flood Risk Control Projects

Over the next 18 to 24 months, the St. Bernard Parish Hazard Mitigation Grant Program Office and the Lake Borgne Basin Levee District (LBBLD) will plan and oversee a series of hazard mitigation and disaster recovery projects, totaling \$52 million.

Among these projects are an array of pump engine upgrades. When fully upgraded, the pump engines will be able to disperse storm water with greater efficiency.

### LBBLD Pump Engine Upgrades

Pump station upgrades will include the installation of modern engines at Pump Stations #1 and #4, as well as new valves, actuators, and air release valves at Pump Stations #6 and #7. The updated equipment will boost horsepower, reduce standing water removal times, and decrease operational and maintenance costs of the facilities. The project will cost an estimated \$6.2 million.



Pump Station discharge into central wetlands

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*St. Bernard Parish Government (SBPG) and the Lake Borgne Basin Levee District (LBBLD) are partnering to raise awareness and provide timely information about flood risk and hazard mitigation efforts in St. Bernard Parish. This is the seventh in a series of planned weekly communications designed to inform the public about flood control projects and provide resources and assistance so that responsible decisions can be made relative to hurricane, storm and flood threats.*

**Michael Hunnicutt, CFM**

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*St. Bernard Parish Hazard Mitigation Technical Advisory Division*

**Nicholas P. Cali, CFM**  
*Lake Borgne Basin Levee District Executive Director*

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**From:** St. Bernard Parish Government & Lake Borgne Basin Levee Dist.  
<news@estopinalgroup.com>  
**Sent:** Thursday, August 21, 2014 8:01 AM  
**To:** director@lbbld.com  
**Subject:** St. Bernard Parish Flood Risk Control Projects-Canal Drainage Work



## St. Bernard Parish Flood Risk Control Projects

Over the next 18 to 24 months, the St. Bernard Parish Hazard Mitigation Grant Program Office and the Lake Borgne Basin Levee District (LBBLD) will plan and oversee a series of hazard mitigation and disaster recovery projects, totaling \$52 million.

Among these projects are an array of improvements to the Congressman Hebert, Creely and Blue Bird Canals. When completed, the canal projects will ensure that the interior drainage systems will more effectively direct storm water flow toward the 40 Arpent Canal.

### Canal Drainage Work

The Congressman Hebert, Creely, and Blue Bird Canal drainage areas, which encompass approximately 500 acres of land in the Chalmette and Arabi areas, will undergo channel bottom re-grading, flattening of the side slopes throughout the length of the canals, and replacement of existing pipes to provide more effective storm water flow. The project will cost an estimated \$4.6 million.



Congressman Hebert, Creely  
and Blue Bird Canals

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**From:** St. Bernard Parish Government & Lake Borgne Basin Levee Dist.  
<news@estopinalgroup.com>  
**Sent:** Thursday, August 14, 2014 8:04 AM  
**To:** director@lbld.com  
**Subject:** St. Bernard Parish Flood Risk Control Projects-Safe Rooms



## St. Bernard Parish Flood Risk Control Projects

Over the next 18 to 24 months, the St. Bernard Parish Hazard Mitigation Grant Program Office and the Lake Borgne Basin Levee District (LBBLD) will plan and oversee a series of hazard mitigation and disaster recovery projects, totaling \$52 million.

Among these projects is the construction of three safe rooms. When completed, the safe rooms will be able to withstand impacts from storm debris moving at speeds up to 250 mph.

### Safe Rooms

During hurricanes and other extreme weather conditions, the construction of three safe rooms will protect essential personnel while they conduct LBBLD pump station operations. The three safe rooms will be strategically located throughout the Parish, at Pump Station #1 in Chalmette, at Pump Station #7 in Violet and at Pump Station #8 in Verrett. The project will cost an estimated \$2.5 million.



Example of Safe Room  
Construction

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