



SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY - EAST

June 12, 2014

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G. Paul Kemp, Ph.D.
Richard A. Luetlich, Jr., ScD
Kelly J. McHugh, P.E., P.L.S.

Lake Borgne Basin Levee District Monthly Director's Report

I Safety

- A. 0 lost time accidents this year.
- B. 0 accidents since last report.

II Construction / Capital Improvements

A. HMGP

- 1) Phase 1 for the Engine Upgrades at Stations 1&4
 - i. Received 65% drawings on 4/28/14
 - ii. Currently awaiting FEMA guidance on BCA ratio
- 2) Phase 1 Safe Room Design at Stations 1&7
 - i. Safe Room and telemetry designs are at 100%.
 - ii. Designs are approved by FEMA Region VI.
 - iii. Currently waiting for release of Phase 2 (construction) funding.
- 3) Drainage improvements along Bluebird Lateral Canal
 - 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. Atkins 100% designs have been submitted.
 - ii. This project will be advertised and awarded based on the timeline for completion of the Pump Station #6 Erosion Repair in order to avoid conflicts between contractors.
- 2) Pump Station #6 Erosion Repair
 - i. Atkins has delivered completed design and bid documents.
 - ii. Anticipate advertisement this month.
- 3) Flood Gate #9
 - i. Design is complete, work is being completed by LBBLD.

III O&M

A. Levee Systems

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@ejfd.com

LAKE BORGNE BASIN LEVEE DISTRICT
Nicholas P. Cail - *Executive Director*
P.O. Box 216
6136 E. St. Bernard Highway
Violet, LA 70092
504.682.5941 | admin@lbbld.com

ORLEANS LEVEE DISTRICT
Gerard J. Gillen, III, P.E. - *Executive Director*
6920 Franklin Ave
New Orleans, LA 70122
504.286.3100 | admin@orleanslevee.com

- 1) Certification of the NFL is ongoing.
 - i. Areas needing work to meet criteria are being addressed
 - ii. Design work and alternatives for areas along the Violet Canal are ongoing.

B. Drainage Canals

- 1) Continued routine maintenance along drainage canals.

C. Caernarvon Sector Gate

- 1) Weekly inspections with assistance from OLD personnel are ongoing
- 2) Significant Issues identified:
 - i. Paint peeling on gate skin
 - ii. Malfunctioning surge protector has been replaced at no cost (manufacturer warranty item).

IV Inspections

Schedule for next inspection cycle

- 1) 1Q 2014 Inspections are complete.
- 2) 2Q 2014 Inspections are complete and reports are being compiled for submission.
- 3) Once Bayou Dupre repairs are complete, we will request a complete Periodic Inspection by USACE prior to turnover.

V Flood Fight Activities

- 1) MRL inspections are ongoing in response to high river stage.
- 2) Conducted daily MRL visual inspection in addition to USACE Flood Fight Team's bi-weekly inspections.
- 3) No significant issues were reported.

VI Personnel

No new hires in the last 30 days.

VII Budget

Budget amendment for FY 13-14 was provided to 5/8/14 SLFPA-E Finance Committee.

VIII Executive Director's Assessment

There are a number of upcoming construction projects funded through FEMA, USACE or grants which are progressing toward construction. These projects are all directly focused on increasing the efficiency of operations and increasing employee safety during an emergency event.

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 FY 2015 budget continues to project a deficit. We are working with the SLFPA-E staff to forecast and track the cost implications of maintaining the new structures on the

HSDRRS, and anticipate those costs to increase, which may exacerbate the budget deficit after O&M of the HSDRRS system is fully turned over to LBBLD.

The Community Outreach and Education program, a collective effort between LBBLD and St. Bernard Parish, conducted two successful open houses on 6/11 /14 and 6/12/14. The final Community Open House is scheduled for 6/18/14 at the Isles Heritage Museum.

Working Together Ensuring Safety

- St. Bernard Parish and the Lake Borgne Basin Levee District have planned and overseen unprecedented reconstruction and upgrades to the internal drainage system resulting in more efficient and enhanced storm and rain water movement and run-off in the Parish's canals, drainage ditches, neighborhood streets, boulevards and highways.
- Together, these entities are working to raise awareness and understanding of flood risks so that the citizens of St. Bernard Parish are aware of and can take necessary actions associated with hurricanes, storms and flood events.
- This partnership leverages its collective resources to bring continual public attention to and secure state and federal dollars for flood risk management, community resiliency and education, and coastal protection and restoration efforts.



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FEMA

GOVERNOR'S OFFICE



8201 W. Judge Perez Drive
Chalmette, LA 70043
(504) 278-1032
www.sbpbg.net

St. Bernard Flood Risk SAFETY

Your Guide To Parish
Safety Programs and
Government Officials



**ST. BERNARD
PARISH GOVERNMENT**

*Working
Together
Ensuring
Safety*



**LAKE BORGNE BASIN
LEVEE DISTRICT**

St. Bernard Parish Government

Office of the President, (504) 278-4227
Office of the Parish Council, (504) 278-4228

Hazard Mitigation Grant Program Office

The St. Bernard Parish Hazard Mitigation Grant Program Office is a division of the parish administration. The Hazard Mitigation Grant Program provides funding opportunities for pre- and post-disaster mitigation. As of January 2014 the agency is administering 10 projects totaling nearly \$52 million directly related to reducing flood risk.

Michael Hunnicutt, CFM
Hazard Mitigation Technical Advisor
(504) 278-1032



Intersection of Blue Bird and Congressman Hebert Canals

Office of Floodplain Management

The Office of Floodplain Management is responsible for administering FEMA's National Flood Insurance Program for St. Bernard Parish.

Department of Community Development
(504) 278-4310

Lake Borgne Basin Levee District

The Lake Borgne Basin Levee District (LBBLD) was established in 1892 to protect the lives and property of citizens in St. Bernard Parish. It is one of the few levee districts in the state responsible for the pumping stations and drainage:

- 19 internal drainage canals (more than 55 miles in length) and eight major drainage pumping stations.
- 60 miles of federal and non-federal levees, two navigation sector gates, and 33 flood gates.

Nicholas P. Cali, CFM
Executive Director
(504) 682-5941

Department of Recovery

The Department of Recovery is responsible for managing and implementing all Federal Emergency Management Agency and Community Development Block Grant recovery projects on behalf of St. Bernard Parish Government.

Donald R. Bourgeois, Jr., *Recovery Manager,*
Executive Assistant to the President
(504) 278-1597

Office of Coastal Zone Management

The Office of Coastal Zone Management processes applications for Coastal Use Permits (CUPs) and serves as a liaison between St. Bernard Parish and all state and federal coastal wetlands regulatory agencies.

William McCartney, IV, CFM
Coastal Zone Management Administrator
(504) 278-4303



Caernarvon Canal Sector Gate

Department of Homeland Security and Emergency Preparedness

The Office of Homeland Security and Emergency Preparedness is responsible for keeping St. Bernard Parish families informed by providing up-to-date information on homeland security and emergency operations as they are applicable to federal, state and local emergencies or activities.

John Rahaim, Jr., CEM, LEM
Deputy Director of Homeland Security
(504) 278-4267



Pump station discharge into central wetlands

COMMUNITY EDUCATION & OUTREACH OPEN HOUSES

June 10 (3pm-7pm)

Val Reiss Multi-Purpose Center
899 East Magistrate Street
Chalmette, LA 70043

June 11 (3pm-7pm)

Docville Farm
5124 East St. Bernard Highway
Violet, LA 70092

June 18 (3pm-7pm)

**Los Isleños Heritage & Cultural
Society Museum Complex**
1357 Bayou Road
St. Bernard, LA 70085

Working Together Ensuring Safety

St. Bernard Parish and the Lake Borgne Basin Levee District are working to raise awareness and understanding of flood risks so that the citizens of St. Bernard Parish are aware of and can take necessary actions associated with hurricanes, storms and flood events.



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8201 W. Judge Perez Drive
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St. Bernard Flood Risk CONTROL

Over \$50 million in hazard mitigation and disaster recovery projects are being implemented



**St. BERNARD
PARISH GOVERNMENT**



**LAKE BORGNE BASIN
LEVEE DISTRICT**



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 project will cost an estimated \$2.47 million.

Generators

New 300KW generators at the St. Bernard Sheriff's Office and the St. Bernard Public Works Office will ensure uninterrupted operations of the facilities during power outages caused by natural hazards such as high winds and rain. The diesel fuel powered generators will provide 72 hours of power during emergency conditions. The project will cost an estimated \$480,000.

SCADA Computer Monitoring System

The Supervisory Control and Data Acquisition (SCADA) computer monitoring system will remotely monitor all St. Bernard Parish water control assets, including lift stations, water towers, monitoring locations, and pump stations. In the event of a problem during extreme weather conditions, for example, the remote central computer ensures that emergency personnel will not have to visit all 104 lift stations individually. The monitoring system will increase efficiency and reduce risks. The project will cost an estimated \$5.43 million.



SCADA Remote Station

Violet/Dravo Sewer Improvements

New 12-inch pipes will be installed at the Violet and Dravo sewer pump stations. The new pipes will alleviate surcharging of the sewers. The project also includes construction of a new Violet pump station that will improve effectiveness throughout the sewage system. The project will cost an estimated \$14.68 million.

Canal Drainage Work

The Congressman Hebert, Creely, and Blue Bird Canal drainage areas, which encompass 500 acres of land in St. Bernard Parish, 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 \$4.55 million.

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 \$6.24 million.

Structure Elevation

This project will pursue elevation, acquisition, and flood proofing of repetitive loss structures in St. Bernard Parish. The elevations will dramatically reduce losses due to flooding and save citizens from emotional and financial hardship. The project will cost an estimated \$5.8 million.



Clear Well Pump Station

Clear Well Pump Station & Raw Water Intake Pipe

A new Clear Well Pump Station will be constructed to replace the current 50-year-old station. The pump station will reduce maintenance costs and leakage and provide for a new water treatment process. The existing damaged Mississippi River raw water intake pipe will be replaced. The project will cost an estimated \$3.74 million.

Palmisano Blvd Drainage Improvements

Drainage improvements across 150 acres of the Palmisano Boulevard drainage system will significantly reduce flooding and dramatically improve lift pump capacity. The improvements will eliminate flood losses by constructing new concrete box culverts and enhancing pumping station efficiency. The project will cost an estimated \$8.36 million.



Structure Elevation