

# Greater New Orleans Hurricane and Storm Damage Risk Reduction System

**IHNC / GIWW Corridor  
Water Control Manual**

**Public Meeting  
Greek Orthodox Church**

February 19, 2013



®

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# Meeting Purpose

- Discuss the proposed water control plan for the Inner Harbor Navigation Canal (IHNC) / Gulf Intracoastal Waterway (GIWW) Corridor.
- Obtain comments and feedback to improve and / or modify the plan where appropriate.



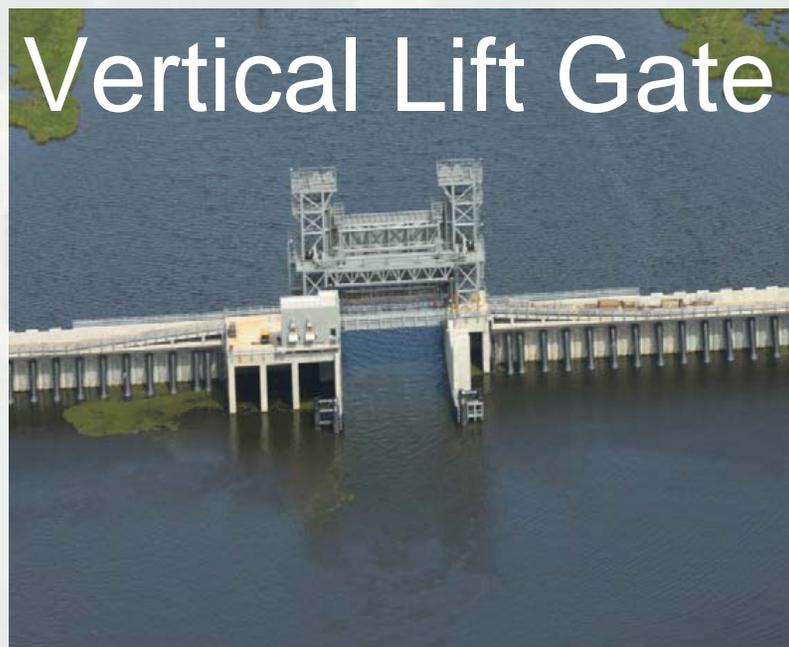
# Seabrook Floodgate Complex



# Inner Harbor Navigation Canal (IHNC) Surge Barrier



# IHNC Surge Barrier Project Features



# Water Control Plan Key Messages

- Water Control Plan developed now, with final to be developed by 2014 hurricane season.
- Both commercial and recreational navigation has been considered in the design and construction of the project and will also be considered in the operation of the complex.
- Navigation interests must be aware that the structure will likely close for tropical events and must prepare accordingly.
- Once closed, the navigable gates will not be opened until the threat has passed.

# Normal Hydrometeorological Conditions

- Seabrook Floodgate Complex sector gate and vertical lift gates will remain open.
- IHNC Surge Barrier vertical lift gate remains open.
- IHNC Surge Barrier barge gate remains open.
- IHNC Surge Barrier sector gate remains open.

# Gate Closure Decision

- Upon Notice of Construction Complete, the decision to close will be made by the State of Louisiana, Coastal Protection and Restoration Authority Board, or its delegate, with input from:
  - US Army Corps of Engineers, New Orleans District
  - National Weather Service
  - US Coast Guard
  - Emergency Operation Center
  - Office of Coastal Protection and Restoration, Southeast Louisiana Flood Protection Authority-East
  - Parish Governments
  - Navigation Industry
- Due to wide variances in storm characteristics (speed, intensity, expected rainfall, etc.), gate closure decisions can be made within a range of water elevations.

# Notification and Communication

- Web sites – Corps and Non-Corps
- Local television and radio media outlets
- USCG Marine Safety Broadcast
- USACE Navigation Bulletin
- Local Government Liaisons (LGL) to Parishes

# Gate Closure Plan

- Preparation to operate the structures will begin with the issuance of tropical or hurricane advisories by the NHC for tropical depressions, tropical storms, or hurricanes that may enter the Gulf of Mexico or have formed in the Gulf.
- Water Control Plan assumes Regulated Navigation Area (RNA) has been executed by USCG.
- The barge gate can be closed up to 96 hours prior to a storm event.
- The current plan is to close the gates for storm surges anticipated to be greater than 5ft in the IHNC / GIWW Corridor.
- The gates are to be closed with the lowest practicable water level possible to maximize storage in the corridor.
- All gates in the IHNC / GIWW Corridor must be closed before the flood side water level is 3ft.

# Gate Reopening Plan

- The threat of increasing storm surge has passed.
- Gate opening procedures will be executed when the flood side stage has fallen below the protected side stage and is continuing to fall.
- The IHNC / GIWW Corridor will generally be drained through the IHNC Surge Barrier Sector Gate.
- The IHNC Surge Barrier Sector Gate is to be reopened 50 percent for initial dewatering to prevent scour. After the reverse differential head falls below 1.5 ft, the GIWW Sector Gate can be fully opened.
- The IHNC Surge Barrier Vertical Lift Gate can be opened when the head differential falls below 2.0 ft.
- The Seabrook Floodgate Complex may be opened once the storm surge has drained from the IHNC / GIWW Corridor and Lake Pontchartrain and the head differential is less than 1 ft.

# Path Forward

- Public Meeting – Feb 2013
- International Review – Feb 2013
- Comment Submittal Period – Mar 2013
- Comment Incorporation – Mar 2013
- Approval of Water Control Plan – Apr 2013

# *Opportunities for Public Input*

- Public meetings throughout the Hurricane and Storm Damage Risk Reduction System (HSDRRS) area
- Sign in tonight to be added to our meeting notification mailing list!
- *Construction Impacts Hotline: 1- 877- 427- 0345*
- Comments can be submitted at any time at:

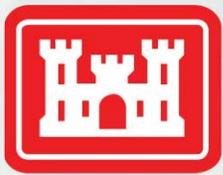
**[www.nolaenvironmental.gov](http://www.nolaenvironmental.gov)**

Questions and comments may be submitted to:

**Telephone: 504 - 862 - 2201**

**[E-mail: AskTheCorps@usace.army.mil](mailto:AskTheCorps@usace.army.mil)**





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# Resources

[www.nolaenvironmental.gov](http://www.nolaenvironmental.gov)

**NOLA Environmental**  
NEW ORLEANS, LOUISIANA  
Environmental Compliance Data Bank  
[www.nolaenvironmental.gov](http://www.nolaenvironmental.gov)

PROJECTS MEETINGS LIBRARY DATA VIEWER GET INVOLVED RELATED LINKS

Welcome to NOLA Environmental! This site has been set up to share with the public the efforts being made by the U.S. Army Corps of Engineers and other federal and state agencies in south Louisiana regarding the environmental compliance for proposed federal and state Hurricane Risk Reduction Projects. Additional information pertaining to other federal and state agencies' hurricane recovery efforts in southeast Louisiana will also be posted on the site as it becomes available.

The U.S. Army Corps of Engineers, Mississippi Valley Division, New Orleans District implemented Alternative Arrangements on March 13, 2007 under the provisions of the Council on Environmental Quality Regulations for Implementing the **National Environmental Policy Act** (40 CFR § 1506.11) Learn more...

### Announcements

- Draft **EA 426, Comite River Diversion** Public Comment Period 6/15 - 7/16 (*Public Notice*)
- The Decision Record for **IERS 11.d** has been signed by the District Commander (5/30/12)
- The Decision Record for **IERS 2.a** has been signed by the District Commander (2/9/12)
- The Decision Record for **IERS 25.a** has been signed by the District Commander (11/13/12)
- The Decision Record and Section 404(b)(1) Evaluation for **IERS 33.a** has been signed by the District Commander (11/11/12)

[More...](#)

### Upcoming

- **07/31/2012 - Public Meeting West Bank & Vicinity Mitigation**

[More...](#)

### Newly Available

**NEW >>** [NOLA Environmental Mitigation](#)

- **31 May 2012 Mitigation Scoping Meeting Presentation Plaquemines Parish New Orleans to Venice (NOV) and Non-Federal Levee(NFL) Project Status**
- **31 May 2012 Public Meeting Summary Plaquemines Parish Federal and Non-Federal Mitigation Public Meeting**
- **News Release 29 May 2012 Mitigation Scoping Meeting Presentation Plaquemines Parish New Orleans to Venice (NOV) and Non-Federal Levee(NFL) Project Status**

[www.mvn.usace.army.mil](http://www.mvn.usace.army.mil)

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**RECON - The Big Muddy**  
*Maintaining the shipping channel.*  
This video by The Pentagon Channel will show the US Army Corps of Engineers role in maintaining the shipping channel in the Mississippi River.  
[See for yourself >>](#)

**PUBLIC INFORMATION**

**HSDRRS How the Corps is reducing risk**  
**Construction Impact Hotline -**  
1-877-427-0345  
**Public Meetings**  
7/31/12 - Westwego, LA  
[PERMITS](#)

[Review the MRGO Ecosystem Restoration Final Environmental Impact Statement](#)  
[Review the MRGO Ecosystem Restoration Final](#)

**TOP HEADLINES**

**Final MRGO ecosystem restoration plan available for public review**  
Posted On:7/27/2012

**South Farm to host Wood Stork & Wading Bird Event**  
Posted On:7/18/2012

**Corps releases Record of Decision for proposed highway between I-12 and Bush, La.**  
Posted On:7/12/2012

**ASK THE CORPS**

**The Corps wants to hear from you!**

**Q. Where can I find information related to bidding on contracts advertised by the Corps?**

**A. For more information on Corps contracts and registering your business, please click here.**

Submit questions or comments to [askthecorps@usace.army.mil](mailto:askthecorps@usace.army.mil)

**FEATURED VIDEOS**

**Hurricane and Storm Damage Risk Reduction System (HSDRRS) Flyover**  
The System is comprised of numerous features including levees, floodwalls, floodgates, surge barriers and pump stations. This computer-generated video provides an aerial "flyover" view of the entire System and...

RSS (What is RSS?)

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# **Q & A / Feedback Session**

