APPENDIX J: OWNER OBTAINED PERMITS
Operations Division  
Eastern Evaluation Section  

SUBJECT: MVN 2009-1353-EFF  

Louisiana Coastal Protection and Restoration Authority  
Attn: Garrett Graves  
Post Office Box 44027  
Baton Rouge, Louisiana  

Dear Mr. Graves:  

Enclosed is a permit dated this date, subject as above, authorizing work under the Department of the Army permit program.  

You are again reminded that any work not in accordance with the approved plans is subject to removal regardless of the expense and the inconvenience that such removal may involve and regardless of the date when the discrepancy is discovered.  

Your attention is directed to all the terms and conditions of the approval. In order to have the work approved in accordance with the issued permit, all terms and conditions of the permit and plans shown on the drawings attached thereto must be rigidly adhered to.  

It is necessary that you notify the District Engineer, Attention: Eastern Evaluation Section, in writing, prior to commencement of work and also upon its completion. The notification must include the permittee’s name, as shown on the permit, and the permit number. Please note the expiration date on the permit. Should the project not be completed by that date, you may request a permit time extension. Such requests must be received before, but no sooner than six months before, the permit expiration date and must show the work completed and the reason the project was not finished within the time period granted by the permit.  

A copy of Page 1 of the permit (ENG Form 1721) must be conspicuously displayed at the project site. Also, you must keep a copy of the signed permit at the project site until the work is completed.  

Sincerely,  

[Signature]  
Michael V. Farabee  
Chief, Eastern Evaluation Section  

Enclosure
Operations Division
Eastern Evaluation Section

SUBJECT: MVN 2009-1353-EFF

Louisiana Department of Transportation
and Development
Attn: Ms. Sherrie Labas
Post Office Box 94245
Baton Rouge, Louisiana 70804-9245

Dear Ms. Labas:

Enclosed is a permit dated this date, subject as above, authorizing work under the Department of the Army permit program.

You are again reminded that any work not in accordance with the approved plans is subject to removal regardless of the expense and the inconvenience that such removal may involve and regardless of the date when the discrepancy is discovered.

Your attention is directed to all the terms and conditions of the approval. In order to have the work approved in accordance with the issued permit, all terms and conditions of the permit and plans shown on the drawings attached thereto must be rigidly adhered to.

It is necessary that you notify the District Engineer, Attention: Eastern Evaluation Section, in writing, prior to commencement of work and also upon its completion. The notification must include the permittee’s name, as shown on the permit, and the permit number. Please note the expiration date on the permit. Should the project not be completed by that date, you may request a permit time extension. Such requests must be received before, but no sooner than six months before, the permit expiration date and must show the work completed and the reason the project was not finished within the time period granted by the permit.

A copy of Page 1 of the permit (ENG Form 1721) must be conspicuously displayed at the project site. Also, you must keep a copy of the signed permit at the project site until the work is completed.

Sincerely,

[Signature]

Michael V. Farabee
Chief, Eastern Evaluation Section

Enclosure
DEPARTMENT OF THE ARMY PERMIT

Permittee: Louisiana Coastal Protection and Restoration Authority & Louisiana Department of Transportation and Development

Permit No. 2009-1353-EFF

Issuing Office: New Orleans District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: Dredge within an area of the Mississippi River in order to construct a sediment pipeline corridor and marsh restoration/nourishment area; all as part of the Mississippi River Long Distance Sediment Pipeline (LDSP) project, in accordance with the drawings attached in forty-one sheets dated December 12, 2012.

Project Location: In Plaquemines Parish and Jefferson Parish, within the Mississippi River at approximately miles 64 and 65, crossing and south of Highway 23, near Naomi, Louisiana.

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on DEC 31, 2014. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least 1 month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions: See Attached.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

   (X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
   (X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

2. Limits of this authorization.
   a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
   b. This permit does not grant any property rights or exclusive privileges.
   c. This permit does not authorize any injury to the property or rights of others.
   d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
   a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
   b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
   c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
   d. Design or construction deficiencies associated with the permitted work.
e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contractor otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

X (PERMITTEE) X 12-20-2012 (DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

Michael V Farabee, Chief Eastern Evaluation Section

February 19, 2013 (DATE)

for Edward R. Fleming, District Commander

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEREE) (DATE)
e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant’s Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

   a. You fail to comply with the terms and conditions of this permit.

   b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

   c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 208.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

X Eric Kalisoda   X 2/7/2013
(PERMITTEE)   (DATE)

Eric Kalisoda, Deputy Secretary

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

Michael V Farabee, Chief Eastern Evaluation Section

February 19, 2013
(DATE)

for Edward R. Fleming, District Commander

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

_____________________________   __________________________
(TRANSFEREE)   (DATE)
7. This Department of the Army permit authorization expires as of December 31, 2014.

8. The borrow site (Alliance Anchorage Borrow Area) identified in the application, is the saltwater barrier sill's primary Borrow Area #1, (Mississippi River Mile 63.8 to Mile 65 AHP). The issuance of this permit and the permittee's actions hereunder, shall in no way adversely affect the cost, time, and schedule of the planning and/or construction of the saltwater barrier sill by the US Army Corps of Engineers (USACE).

9. The permittee must ensure that 500,000 cubic yards (cy) are always available above elevation -70 NGVD, within the Alliance Anchorage Borrow area. A reserve area for this material has been designated and the reserve quantity must be located within the boundaries shown on the enclosed (Mississippi River Hydrographic Survey Salt Water Sill Borrow Area I-map), as Attachment I.

10. While this project is ongoing, the permittee must be aware that the USACE may issue a contract to build the sill. If USACE issues a sill solicitation, the permittee shall allow its contractor to bid on the sill contract. If the permittee’s contractor is awarded the sill contract, then the permittee shall release the contractor for the time required to build the sill. If the permittee’s contractor chooses not to bid on the sill contract or another contractor is awarded the sill contract, the permittee’s contractor shall suspend operations and move off site so as not to interfere with or delay the USACE notice to proceed or the sill contractor’s work.

11. Until the Alliance Anchorage Borrow Area is naturally restored from the effects of this permit, any additional costs associated with USACE’s construction of the sill shall be borne by the permittee. These additional costs could occur after this permit has expired. These additional costs will be calculated by the USACE. The permittee will provide funds prior to USACE opening bids for the saltwater barrier sill contract.

12. Dredging in the Alliance Anchorage Borrow site is limited to a 1V on 5H slope with a control point 400 feet riverward of the levee C/L and El. +5 feet. The permittee shall submit for approval a detailed dredging plan for the Alliance Anchorage Borrow Area. The plan shall be submitted at least 30 days prior to the scheduled commencement of work in the site and shall include hydrographic surveys of the borrow area with plans for dredging; thereby identifying the material to be removed and the 500,000 cy reserved area (material to be reserved above elevation -70 NGVD). USACE must approve the dredging plan prior to the commencement of permittee’s work. The surveys and plans shall be updated every 30 days until project completion. All updated plans must also be approved before the permittee can implement the updated plan. The surveys and dredging plan shall be submitted in electronic format and hardcopy to the USACE Mississippi River Operations Manager. For questions or forwarding information, please contact Mrs. Heather Jennings at (504) 862-1253 or heather.l.jennings@usace.army.mil.
SPECIAL CONDITIONS: MVN-2009-1353-EFF

13. To address navigation safety during construction of the project, the permittee will initiate a daily conference call; to include representatives of the dredging contractor, the US Coast Guard, pertinent members of the USACE, and other navigation stakeholders. During construction, the frequency of the conference call can be reduced upon agreement from the US Coast Guard and the USACE.

14. Construction over the Mississippi River levee and back levee and within 10 feet of the levee toes as well as open excavations is limited to river stages below +11 feet on the Carrollton gage.

15. The permittee is aware that USACE project (NOV-NFL-5) is proposed for the back levee, at the vicinity of the project site.

16. Dredging in the Alliance South Anchorage Borrow Site is limited to the limits provided in the URS Stability Analysis report dated September 2012.

17. Dredging in the Wills Point Borrow Site is limited to the limits provided in the URS Stability Analysis report dated September 2012.

18. Any damage to the revetment occurring during or as a result of this work will be repaired at the permittee’s expense.

19. Construction is not allowed when a hurricane is within 5 days of affecting the Louisiana coast. During such times, the site must be secured, flood protection maintained, and coordination maintained with the Engineering Division of this district.

20. The authorization does not obviate the permittee from obtaining other necessary approvals from pertinent federal, state, and/or local authorities.

21. You shall notify this office in writing within five working days after construction has been completed.

22. The permittee shall assure that contractors, foremen, and/or workers associated with project implementation are equally cognizant of the conditions and restrictions associated with this approval.

23. If archaeological materials and/or human remains are discovered during ground disturbing activities you shall cease and desist all activities in the project area and contact this office and Mr. Dennis Jones of the Louisiana Office of Cultural Development, Division of Archaeology at (225) 342-8160.

24. The permittee is aware that future site visits and inspections may be conducted to the project area by this office and/or other resource agencies, to assess project compliance with this authorization and requirements associated herewith.
SPECIAL CONDITIONS: MVN-2009-1353-EFF

25. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

26. Your use of the permitted activity must not interfere with the public's right to free navigation on all navigable waters of the United States.

27. You must install and maintain, at your expense, any safety lights, signs and signals prescribed by the US Coast Guard, through regulations or otherwise, on your authorized facilities.

28. If the proposed project, or future maintenance work, involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.,) in the waterway, you are advised to notify the US Coast Guard so that a Notice to Mariners, if required, may be prepared. Notification, with a copy of your permit approval and drawings, should be mailed to the US Coast Guard, Sector New Orleans Command Center, 200 Hendee Street, New Orleans, Louisiana 70114, about 1 month before you plan to start work. Telephone inquiries can be directed to (504) 365-2281.

29. The Chitimacha Tribe of Louisiana has stated that the project area is part of the aboriginal Chitimacha homelands. If during the course of work at the site, prehistoric and/or historic aboriginal cultural materials are discovered, the applicant will contact the Chitimacha Tribe of Louisiana at Post Office Box 661, Charenton, LA 70523, and the Army Corps of Engineers, New Orleans District (CEMVN) Regulatory Branch. CEMVN will initiate the required Federal, State, and Tribal coordination to determine the significance of the cultural materials and the need, if applicable, for additional cultural resource investigations.

30. The proposed project occurs within an area impacted by the Deepwater Horizon Oil Spill in the summer of 2010 and activities such as yours could potentially re-suspend oiled sediments that may be located in the area. It is also noted that cleanup crews associated with the US Coast Guard’s Deepwater Horizon Response are potentially working in multiple sites located throughout the Louisiana coastal area. In order to coordinate and mitigate potential re-suspension of oiled sediments, adverse impacts to fish and wildlife species, and safety issues related to cleanup operations; the permittee shall contact and coordinate with LT David R. Simonson, US Coast Guard Deepwater Horizon Response (504-252-8748 or david.r.simonson@uscg.mil), prior to commencement of work.
SPECIAL CONDITIONS: MVN-2009-1353-EFF

31. After one complete growing season following completion of spoil placement within the proposed beneficial use areas, the permittee will manually breach or degrade the earthen containment dikes to marsh elevation, if they do not degrade naturally.

32. If the proposed project requires any additional work not expressly permitted herein, the permittee must obtain an amendment to this authorization prior to commencement of work.

33. In order to address potential impacts to the Pallid sturgeon, the cutterhead shall remain completely buried in the bottom material during dredging operations. If pumping water through the cutterhead is necessary to dislodge material or to clean the pumps or cutterhead, etc., the pumping rate shall be reduced to the lowest rate possible until the cutterhead is at mid-depth, where the pumping rate can then be increased. During dredging, the pumping rates shall be reduced to the slowest speed feasible while the cutterhead is descending to the channel bottom. Should the proposed project directly or indirectly affect the pallid sturgeon or their habitats, further consultation with that office will be necessary.

34. In order to address potential impacts to the West Indian manatee; in the event of water-related activities, all personnel associated with the project should be instructed about the potential presence of manatees, manatee speed zones, and the need to avoid collisions with an injury to manatees. All personnel should be advised that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act of 1972 and the Endangered Species Act of 1973. Additionally, personnel should be instructed not to attempt to feed or otherwise interact with the animal, although passively taking pictures or video would be acceptable and could provide useful data in the Service’s ongoing manatee conservation efforts.
35. During in-water work in areas that potentially support manatees, all on-site personnel are responsible for observing water-related activities for the presence of manatee(s). The following actions will be administered to minimize potential impact to manatee: (1) All work, equipment, and vessel operation should cease if a manatee is spotted within a 50-foot radius (buffer zone) of the active work area. Once the manatee has left the 50 foot buffer zone on its own accord (manatees must not be herded or harassed into leaving), or after 30 minutes have passed without additional sightings of manatee(s) in the buffer zone, in-water work can resume under careful observation for manatees. (2) If a manatee is sighted in or near the project area, all vessels associated with the project should operate at "no wake/idle" speeds within the construction area and at all times while in waters where the draft of the vessel provides less than a four-foot clearance from the bottom. Vessels should follow routes of deep water whenever possible. (3) If used, siltation or turbidity barriers should be properly secured, made of material in which manatees cannot become entangled, and be monitored to avoid manatee entrapment or impeding their movement. (4) Collisions with, injury to, or sightings of manatees should be immediately reported to the US Fish and Wildlife Service's (USFWS) Louisiana Ecological Services Office (337/291-3100) and the Louisiana Department of Wildlife and Fisheries, Natural Heritage Program (225/765-2821). Please provide the nature of the call (i.e., report of an incident, manatee sighting, etc.); time of incident/sighting; and the approximate location, including the latitude and longitude coordinates, if possible. Should the proposed project directly or indirectly affect the West Indian manatee or their habitats, further consultation with that office will be necessary.

36. In order to minimize potential project impacts to bald eagles, particularly where such impacts may constitute "disturbance," which is prohibited by the BGEPA, the permittee shall abide by the following guidelines: http://www.fws.gov/southeast/es/baldeagle/NationalBaldEagleManagementGuidelines.pdf. These Guidelines recommend: (1) maintaining a specified distance between the activity and the nest (buffer area); (2) maintaining natural areas (preferably forested) between the activity and nest trees (landscape buffers); and (3) avoiding certain activities during the breeding season. During any project construction, on-site personnel should be informed of the possible presence of nesting bald eagles in the vicinity of the project boundary, and should identify, avoid, and immediately report any such nests to this office. If a bald eagle nest occurs or is discovered within 1,500 feet of the proposed project area, then an evaluation must be performed to determine whether the project is likely to disturb nesting bald eagles. That evaluation may be conducted on-line at: http://www.fws.gov/southeast/es/baldeagle. Following completion of the evaluation, that website will provide a determination of whether additional consultation is necessary. Should you need further assistance interpreting the guidelines, avoidance measures, or performing an on-line project evaluation, please contact Mrs. Patti Holland with the USFWS at (337) 291-3121.
37. To minimize disturbance to colonial nesting birds, the following restrictions on activity should be observed: (1) For colonies containing nesting wading birds (i.e., herons, egrets, night herons, ibis, and roseate spoonbills), anhingas, and/or cormorants, all activity occurring within 1,000 feet of a rookery should be restricted to the non-nesting period (i.e., September 1 through February 15, exact dates may vary within this window depending on species present). (2) On-site contract personnel be informed of the need to identify colonial nesting birds and their nests, and should avoid affecting them during the breeding season. (3) If it is necessary to perform work within 1,000 feet of a known nest site during the nesting season, a migratory bird abatement plan will need to be developed in consultation with the Service. That plan will include deterrence measures to ensure that birds do not nest in proximity to the work area during the construction period. Patti Holland with the USFWS is the Service contact for such matters and can be reached at 337-291-3121.

38. Stockpiling of materials and/or equipment on the BA-39 restoration site, the BA-48 restoration site, or any other existing wetland or ridge, whether natural or restored; is not authorized. Vehicles, equipment and personnel should only access and/or traverse the BA-39 and BA-48 sites when necessary for the construction, inspection, maintenance and removal of the physical sediment pipeline.

39. The permittee shall submit pre and post-construction photographs as well as surveying of elevations at regular intervals (e.g. every 500 feet) in the right of way (ROW) crossing the BA-39 and BA-48 marsh creation areas, the type, acreage, and extent of vegetative coverage (i.e. wetlands, open water) impacted or benefitted by project implementation, and the general condition of the soils (particularly with respect to the presence or absence of rutting). This condition would be applicable to the BA-39 site, as well as any other wetlands and ridges, whether natural or restored. Monitoring shall document initial fill elevations immediately post construction and 1 year post construction. Monitoring should document acres of open water and marsh that received fill and are 0.5 to 2.0 ft NAVD-88, and acres of water that receive some fill but remained subaqueous. Information and surveys shall be submitted and coordinated with this office, the Environmental Protection Agency (EPA), the National Marine Fisheries Service, (NMFS), as well as any other interested resource agencies (particularly those involved in the CWPPRA program), following construction completion. Be aware that follow up field site investigations may be warranted in order to determine if additional efforts may be necessary to restore areas impacted by project implementation.

40. To the greatest extent practicable, the BA-39 site should not be used as a permanent or long-term transportation corridor for vehicular access to portions of the pipeline ROW, west of the existing BA-39 restoration area.
SPECIAL CONDITIONS: MVN-2009-1353-EFF

41. The permittee should use the least environmentally damaging practicable routes and techniques for mobilizing equipment and personnel, for construction and maintenance of the pipeline and its corridor, as well as for the eventual removal and/or replacement of the physical sediment pipeline structure. To the maximum extent practicable, the permittee shall use water access and barge storage of equipment and construction materials.

42. During construction, the width of the pipeline corridor for construction, maintenance, and removal of the sediment pipeline should be minimized to the greatest extent practicable. This condition is applicable to the BA-39 site as well as any other wetlands and ridges, whether natural or restored.

43. Mats, boards, and/or geotextile material should be used where practicable, to minimize rutting and soil compaction from vehicles and equipment. This condition is applicable to the BA-39 site as well as any other wetlands and ridges, whether natural or restored.

44. Additional fill will be placed in the pipeline ROW or grading undertaken, within the BA-39 and/or BA-48 project areas, which incur any unforeseen impacts or rutting to wetland areas, by construction activities. Remediation of adverse impacts or rutting identified should occur immediately upon cessation of construction activities. It is reasonable to allow for a full growing season to pass, prior to implementing any vegetative plantings, thereby allowing time for natural re-vegetation of any areas damaged by construction activities. However, if damaged areas do not adequately recover within one full growing season, planting of appropriate species may be necessary. If substantial remediation is needed, the permittee should coordinate with this office, the EPA, the NMFS, and any other pertinent agencies, prior to implementation of any such work, to ensure it is consistent with the original goals and intent of the BA-39 project. This condition is also applicable to remediation work on any other wetlands and ridges, whether natural or restored. Surveys and remediation methods should be repeated if and when the physical pipeline structure is removed, replaced, and/or when there is there is maintenance activity that has the potential to cause substantial damage to soils and/or vegetation.

45. Prior to initiation of work within 1500 feet of the Mississippi River Levee system and/or within 300 feet of the back Hurricane Protection Levee, the permittee must acquire a Letter of No Objection from the USACE, Operations Manager of Completed Works. For information relevant this approval, you may contact the (Operations Manager, Mrs. Amy Powell at 504-862-2241) or (Project Manager, Mrs. Karen Clement at 504-862-2313).
46. Pipeline information including pipeline locations, pipeline owner information and number of pipelines shown on sheet 6 of 41, titled Wills Point Borrow Area Layout, is not accurate based on New Orleans District records. The permittee shall investigate the pipelines and ensure that all pipeline information is corrected. CEMVN has some information on these pipelines, but the information is not complete. This information can be obtained by contacting Heather Jennings (504) 862-1253. The permittee shall arrange a meeting between themselves, Heather Jennings and the pipeline owner to verify pipeline locations prior to beginning work.
Coastal Protection and Restoration Authority
State of Louisiana

Jefferson & Plaquemines Parishes, Louisiana
State Project No. BA-43 EB
Long Distance Sediment Pipeline
Mississippi River

Coastal Protection and Restoration Authority

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This drawing set is for permitting purposes only and not to be used for construction.
NOTES
LONG DISTANCE SEAWARD PROFILE
MISSISSIPPI RIVER

AUTHORITY
COASTAL PROTECTION & RESTORATION

DREDGING NOTES:

1. The contractor will be required to submit a daily communication report describing the location of the dredge, the volume of material removed, and any other pertinent information.

2. The contractor shall be responsible for maintaining the dredge, equipment, and personnel as required by the terms of the contract.

3. The contractor shall be responsible for maintaining the safety of personnel and equipment while performing the work.

4. The contractor shall be responsible for maintaining all necessary permits and licenses required for the work.

5. The contractor shall be responsible for maintaining all necessary insurance coverage for the work.

6. The contractor shall be responsible for maintaining all necessary records and reports for the work.

7. The contractor shall be responsible for maintaining all necessary equipment and supplies for the work.

8. The contractor shall be responsible for maintaining all necessary personnel for the work.

9. The contractor shall be responsible for maintaining all necessary communication with the owner and other parties involved in the work.

10. The contractor shall be responsible for maintaining all necessary safety procedures and protocols for the work.

11. The contractor shall be responsible for maintaining all necessary environmental regulations and protocols for the work.

4,000 FT
14.13 FL
15.20 FL
10.14 FT
2,200 FT
1,500 FT
900 FT
460 FT
240 FT
480 FT
900 FT
4,000 FT

11. ESTIMATED FIRE OR FLOATABLE DEBRIS FOR VESSELS TO BE USED DURING CONSTRUCTION

10. USED FOR CONSTRUCTION

9. THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND IS NOT TO BE STAGE OR TESTING OUTSIDE OF THE CONSTRUCTION LIMITS.

8. NO CONSTRUCTION OR ACTIVITY ACROSS OR ACROSS THE CONTRACTOR'S TRANSIT.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFING THE CONTRACTOR AND ANY OTHER PARTIES OF THE WORK TO BE PERFORMED.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFING THE CONTRACTOR AND ANY OTHER PARTIES OF THE WORK TO BE PERFORMED.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFING THE CONTRACTOR AND ANY OTHER PARTIES OF THE WORK TO BE PERFORMED.

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**Coastal Protection & Restoration**

**Proposed Project**

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**Proposed Elevations**

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**Existing Elevations**

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**Access Channel Alignment**

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</table>
Typical Fill Section Across Additional Marsh Creation Area

West (10)

Fill EL = 3.0 ± 0.0
Existing Grade

10 ft.

Typical Fill Section Across Additional Marsh Creation Area

South (15)

Fill EL = 3.5 ± 0.0
Existing Grade

10 ft.
NOTES

1. Material excavated to EXISTING BOTTOM.

2. TEMPORARY WARNING SIGNS along临时表 indicator.

3. Disposal Area.
   A. TEMPORARY SPILL:
      Maximum Spill of 50 ft shall be placed.

Access Channel from STA EL +2.5 MAX.

Access Dredging

ELEVATION IN FEET NAVD'88

EL +4.0 MAX

EL +10.0

EL -3.98 MAX

Access Channel © Bayou Dupont

Access Channel © THE PEN

Existing Bottom

EL +0.0 MAX

EL -10.0

EL +4.0 MAX

Dispursal Area

We would backfill of BA-48 Construction lobe.
Open as part of EA-41. STA 16+00 to STA 18+43.
Start construction channel from STA 16+00 to STA 18+43.

60
30
15
0
-15
-30
-60

Horizontal Scale

Sheet 2 of 4

FEDERAL PROJECT NUMBER: NA
STATE PROJECT NUMBER: B-413 (FW)
APPROVED BY: MAURY CHUTES, P.E.
DESIGNED BY: SCOTT C. REID
DRAWN BY: A. COLOMBI

COASTAL PROTECTION & RESTORATION
AUTHORITY

LONG DISTANCE SEASONAL PIPELINE
MISSISSIPPI RIVER

TYPICAL ACCESS CHANNEL SECTION © BAYOU DUPONT

TYPICAL ACCESS CHANNEL SECTION © THE PEN
NOTES:

1. Temporary pipeline markers indicating owner.
2. Existing grade based on January 2012 TLS.
3. Pipeline markers and pipeline shall be placed and maintained at each toe of levee foundation.
4. Contact owner for contracting owner.

SCALE 1:200

MISSISSIPPI RIVER LEVEE CROSSING DETAIL

SECTION A-A

MISSISSIPPI RIVER

EXISTING LEVEE

CROWN LEVEL

SPODING

TEMPORARY MARKER

CONCRETE PIPELINE

MISSISSIPPI RIVER AAR

MISSISSIPPI LEVEE

TRIANGULAR LEVEE

TRANSPORT LEVEL

PIPELINE MARKER

6"X6" TIMBER

SPODING

MISSISSIPPI RIVER

PLAN VIEW
NOT TO SCALE

1. Mississippi River levee inspection road is at the land side toe of the Mississippi River

2. The crown ramp over the pipeline crossing shall consist of crushed stone for fill

3. The pipeline shall be placed and maintained at each toe of levee near sediment pipeline

4. Temporary pipeline markers indicating owner, contract and address of contractor

5. Specification 0604.06 to 0900.00 with width of 10 feet between the existing road and pipeline crossing road

6. Existing gravel road

7. Pipeline

8. Temporary marker

9. Crushed stone

10. Crown ramp

11. Sediment

12. Note 3: temporary marker

13. Surface

14. Existing gravel road

15. Pipeline marker

16. Section C-C

17. Section B-B

18. Plan view

19. 100.00 - 200.00

20. 20'
NOT TO SCALE

SECTION A-A

EXISTING DIRT ROAD

CROWN PAVEMENT CRUSHED STONE

SEEDMENT PIPELINE

PLAN VIEW

EXISTING DIRT ROAD

CROWN PAVEMENT CRUSHED STONE

SEEDMENT PIPELINE

MAX. CROWN WIDTH = 6.5

MAX. CROWN WIDTH = 6.5

180 - 180
NOT TO SCALE

SHALL CONSIST OF CROWNED ROAD OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE.

SECTION A-A

PLAN VIEW

TEMPORARY

SPOIL
Temporary Warning Sign Details

1. Temporary Warning Signs shall be installed at locations shown on Sheets 1 and 2 and the 2.0 mile points on the pipeline.
2. Details for the temporary warning signs shall be installed at locations shown on Sheets 1 and 2 and the 2.0 mile points on the pipeline.
3. Warning signs will be black letters on a reflective material of orange color. The lettering for the temporary signs shall be installed at locations shown on Sheets 1 and 2 and the 2.0 mile points on the pipeline.
4. A temporary warning sign shall be placed between the sign and the pipeline at all points of contact.
5. Temporary warning signs shall be installed at locations shown on Sheets 1 and 2 and the 2.0 mile points on the pipeline.
6. The top of the poles shall be carried with a coal tar epoxy paint prior to placing cap. The pole cap shall be attached using aluminum or stainless.
7. The top of the poles shall be carried with a coal tar epoxy paint prior to placing cap. The pole cap shall be attached using aluminum or stainless.
8. The top of the poles shall be carried with a coal tar epoxy paint prior to placing cap. The pole cap shall be attached using aluminum or stainless.
9. The top of the poles shall be carried with a coal tar epoxy paint prior to placing cap. The pole cap shall be attached using aluminum or stainless.
COASTAL PROTECTION AND RESTORATION AUTHORITY
c/o MOFFATT & NICHOL
301 MAIN ST., SUITE 800
BATON ROUGE, LA 70825
Attn: Paul Tschirky

LOCATION: Jefferson, Plaquemines Parishes, LA
Wills Point Anchorage South Borrow Area - MP 66.7; Alliance Anchorage Borrow Area - MP 64.3; Alliance South Borrow Area MP 60.7; POB/Reach 1 Pipeline Corridor: Lat. 29º 42' 03.65"N / Long. -89º 59' 01.44"W; POE/Reach 5 Pipeline Corridor: Lat. 29º 36' 09.48"N / Long. -90º 04' 16.78"W; Marsh Creation Area (Pt. 11): Lat. 29º 36' 41.70"N / Long. -90º 03' 47.24"W; Section 14, T15S-R25E & R24E; crosses LA Hwy. 23 north of Alliance Refinery, LA.

DESCRIPTION: Proposed Mississippi River Long Distance Sediment Pipeline, State Project BA-43 EB. Project includes the permitting of three potential borrow sources from the Mississippi River to a -90 elevation totaling +/- 270 acres (+/- 5,031,382 CY), a total of +/- 10.8 miles of a 60’ - 80’ wide permanent pipeline access corridor (+/- 6.6 miles previously permitted under C20060090/MVN-2008-0345-EFF), and the creation of +/- 256 acres and nourishment of 103 acres of emergent marsh and ridge habitat. Of the three borrow sources proposed with estimated losses in sediment due to transfer anticipated, a total of +/- 3,354,255 CY of sediment will be required to construct +/- 4.16 miles of the pipeline access corridor and to create/nourish the proposed emergent marsh and ridge habitat with a final elevation of +/- 3.0’ +/- 0.5’. Also proposed is the dredging/backfilling of +/- 257,823 CY for the +/- 3.4 mile access channel from the south shore of the Pen to Bayou Dupont, installation of four booster pumps (4,451 CY access dredging), the construction of containment dikes (+/- 46,365 CY of native fill), and placement of +/- 2,400 CY of crushed stone/gravel and +/- 7,310 CY of topsoil for the various crossings proposed.

This permit supersedes the original permit which was issued September 16, 2012.

In accordance with the rules and regulations of the Louisiana Coastal Resources Program and Louisiana R.S. 49, Sections 214.21 to 214.41, the State and Local Coastal Resources Management Act of 1978, as amended, the permittee agrees to:

1. Carry out, perform, and/or operate the use in accordance with the permit conditions, plans and specifications approved by the Department of Natural Resources.
2. Comply with any permit conditions imposed by the Department of Natural Resources.
3. Adjust, alter or remove any structure or other physical evidence of the permitted use if, in the opinion of the Department of Natural Resources, it proves to be beyond the scope of the use as approved or is abandoned.
4. Provide, if required by the Department of Natural Resources, an acceptable surety bond in an appropriate amount to ensure adjustment, alteration, or removal should the Department of Natural Resources determine it necessary.
5. Hold and save the State of Louisiana, the local government, the department, and their officers and employees harmless from any damage to persons or property which might result from the use, including the work, activity, or structure permitted.
6. Certify that the use has been completed in an acceptable and satisfactory manner and in accordance with the plans and specifications approved by the Department of Natural Resources. The Department of Natural Resources may, when appropriate, require such certification to be given by a registered professional engineer.
7. All terms of the permit shall be subject to all applicable federal and state laws and regulations.
8. This permit, or a copy thereof, shall be available for inspection at the site of work at all times during operations.
9. The applicant will notify the Office of Coastal Management of the date on which initiation of the permitted activity described under the “Coastal Use Description” began. The applicant shall notify the Office of Coastal Management by mailing the enclosed green initiation card on the date of initiation of the coastal use.
10. Unless specified elsewhere in this permit, this permit authorizes the initiation of the coastal use described under “Coastal Use Description” for two (2) years from the date of the signature of the Secretary or his designee on the original permit which was September 16, 2012. If the coastal use is not initiated within this two (2) year period, then this permit will expire and the applicant will be required to submit a new application. Initiation of the coastal use, for the purposes of this permit, means the actual physical beginning of the use of activity for which the permit is required. Initiation does not include preparatory activities, such as movement of equipment onto the coastal use site, expenditure of funds, contracting out of work, or performing activities.
which by themselves do not require a permit. In addition, the permittee must, in good faith, and with due diligence, reasonably progress toward completion of the project once the coastal use has been initiated.

11. The following special conditions must also be met in order for the use to meet the guidelines of the Coastal Resources Program:

a. This permit does not convey any property rights, mineral rights, or exclusive privileges; nor does it authorize injury to property.

b. Permittee shall, prior to commencement of the herein permitted activities, contact Rhonda Braud (phone: 225-342-4553, email: rhonda.braud@la.gov) to determine if a construction permit will be required from the local levee district.

c. Permittee shall obtain a Water Quality Certification, should one be required, from the LA Department of Environmental Quality prior to initiation of any construction activities.

d. All logs, stumps and other debris encountered during dredging activities shall be removed from the site during or immediately after the activity and disposed of in accordance with all applicable laws and regulations.

e. No impacts to rare, threatened or endangered species or critical habitats are anticipated from the proposed project. No state or federal parks, wildlife refuges, wildlife management areas or scenic rivers are known at the specified site or within ¼ mile of the proposed project.

The Louisiana Natural Heritage Program (LNHP) has compiled data on rare, endangered, or otherwise significant plant and animal species, plant communities, and other natural features throughout the State of Louisiana. LNHP reports summarize the existing information known at the time of the request regarding the location in question. LNHP reports should not be considered final statements on the biological elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. If at any time LNHP tracked species are encountered within the project area, please contact our biologist at 225-765-2643.

f. Submerged sediment/dredge pipeline must be marked/lighted in accordance with U. S. Coast Guard regulations.

g. Permitted activities shall not interfere with navigation and project operations shall be coordinated with the USCG prior to initiation of activities permitted under this authorization.

h. The requirement for compensatory mitigation for impacts to marsh habitat resulting from the referenced project will be determined after one full growing season (March 1 to November 1) following the completion of the permitted activities. This assessment shall include both primary impacts and secondary impacts which may result from the permitted activities.

If OCM determines that compensatory mitigation is required, permittee shall submit a compensatory mitigation plan for approval within 30 days of notification of the compensatory mitigation requirements by OCM. All necessary approvals shall be obtained for the compensatory mitigation plan and the plan shall be implemented as directed by OCM. Permittee should be aware that compensatory mitigation projects may be required to be maintained for as many as 20 years for marsh mitigation projects and 50 years for forested wetland mitigation projects. A processing fee will be assessed for the determination of compensatory mitigation requirements and evaluation of the proposed compensatory mitigation plan in accordance with LAC Title 43, Part I, Chapter 7, §724.D. This fee shall apply regardless of which compensatory mitigation option is selected and does not include the cost incurred to implement the required compensatory mitigation.

i. Permittee shall notify OCM Field Scientist, Frank Cole, at 225-280-4064 or frank.cole@la.gov no later than ten (10) days prior to initiation and following completion of activities permitted under this authorization.
j. Permittee shall provide to OCM within 30 days following project completion as-built drawings and/or plats that include the actual borrow sources utilized for the completion of the permitted activity and the entire dredged material placement area.

k. All structures built under the authorization and conditions of this permit shall be removed from the site within 120 days of abandonment of the facilities for the herein permitted use, or when these structures fall into a state of disrepair such that they can no longer function as intended. This condition does not preclude the necessity for revising the current permit or obtaining a separate Coastal Use Permit, should one be required, for such removal activities.

l. That permittee shall insure that all sanitary sewage and/or related domestic wastes generated during the subject project activity and at the site, thereafter, as may become necessary shall receive the equivalent of secondary treatment (30 mg/l BOD5) with disinfection prior to discharge into any of the streams or adjacent waters of the area or, in the case of total containment, shall be disposed of in approved sewerage and sewage treatment facilities, as is required by the State Sanitary Code. Such opinion as may be served by those comments offered herein shall not be construed to suffice as any more formal approval(s) which may be required of possible sanitary details (i.e. provisions) scheduled to be associated with the subject activity. Such shall generally require that appropriate plans and specifications be submitted to the Department of Health and Hospitals for purpose of review and approval prior to any utilization of such provisions.

m. The area where the project is located is all part of the aboriginal homelands of the Chitimacha Tribe of Louisiana. As such, large villages, burial sites, and sacred sites were in place in that entire area. If at any time during the course of the work, any traditional cultural properties are discovered, Permittee shall immediately contact Kimberly S. Walden (Cultural Director) or Melanie Aymond (Research Coordinator) at (337) 923-9923 or (337) 923-4395. Office hours are Monday through Thursday from 7:30 A.M. - 5:00 P.M. and on Friday between 7:30 A.M. - 11:30 A.M. If traditional cultural properties are discovered on the weekend or after business hours, the notification shall be made the next business morning.

n. Permittee is subject to all applicable state laws related to damages which are demonstrated to have been caused by this action.

o. Permittee shall allow representatives of the Office of Coastal Management or authorized agents to make periodic, unannounced inspections to assure the activity being performed is in accordance with the conditions of this permit.

p. Permittee shall comply with all applicable state laws regarding the need to contact the Louisiana One Call (LOC) system (1-800-272-3020) to locate any buried cables and pipelines.

q. This permit authorizes the initiation of the Coastal Use described under "Coastal Use Description" for two (2) years from the date of the signature of the Secretary or his designee on the original permit which was September 16, 2012. Initiation of the Coastal Use, for purposes of this permit, means the actual physical beginning of the use or activity for which the permit is required. Initiation does not include preparatory activities, such as movement of equipment onto the Coastal Use site, expenditure of funds, contracting out of work, or performing activities which by themselves do not require a permit. In addition, Permittee must, in good faith and with due diligence, reasonably progress toward completion of the project once the Coastal Use has been initiated. If the Coastal Use is not initiated within this two (2) year period, an extension may be granted pursuant to the requirements contained in the Rules and Procedures for Coastal Use Permits (Title 43:1.723.D.). Please note that a request for permit extension MUST be made no sooner than one hundred eighty (180) days and no later than sixty (60) days prior to the expiration of the permit.

The expiration date of this permit is five (5) years from the date of the signature of the Secretary or his designee on the original permit which was September 16, 2012.

Upon expiration of this permit, a new Coastal Use Permit will be required for completion of any unfinished or
uncommenced work items and for any maintenance activities involving dredging or fill that may become necessary. Other types of maintenance activities may also require a new Coastal Use Permit.

*************************** End of Conditions ***************************

By accepting this permit the applicant agrees to its terms and conditions.
I affix my signature and issue this permit this 16th day of September, 2012.

THE DEPARTMENT OF NATURAL RESOURCES

[Signature]
Karl L. Morgan, Administrator
Office of Coastal Management

This agreement becomes binding when signed by Administrator of the Office of Coastal Management Permits/Mitigation Division, Department of Natural Resources.

Attachments
Final Plats:

1) P20111445 Final Plats 03/20/2012
2) P20111445 Final Plats 03/20/2012

cc: Pete Serio, COE w/attachments
Dave Butler, LDWF w/attachments
Jessica Diez, OCM w/attachments
Frank Cole, OCM/FI w/attachments
Jefferson Parish w/attachments
Plaquemines Parish w/attachments

COASTAL PROTECTION AND RESTORATION AUTHORITY w/attachments
Operations Division
Eastern Evaluation Section

SUBJECT: MVN-2010-0422-EQ

River Rest, LLC
1800 Carol Sue Avenue, Suite 7
Gretina, Louisiana 70056

Gentlemen:

Enclosed is a permit dated this date, subject as above, authorizing work under the Department of the Army permit program.

You are again reminded that any work not in accordance with the approved plans is subject to removal regardless of the expense and the inconvenience that such removal may involve and regardless of the date when the discrepancy is discovered.

Your attention is directed to all the terms and conditions of the approval. In order to have the work approved in accordance with the issued permit, all terms and conditions of the permit and plans shown on the drawings attached thereto must be rigidly adhered to.

It is necessary that you notify the District Engineer, Attention: Eastern Evaluation Section, in writing, prior to commencement of work and also upon its completion. The notification must include the permittee’s name, as shown on the permit, and the permit number. Please note the expiration date on the permit. Should the project not be completed by that date, you may request a permit time extension. Such requests must be received before, but no sooner than six months before, the permit expiration date and must show the work completed and the reason the project was not finished within the time period granted by the permit.

A copy of Page 1 of the permit (ENG Form 1721) must be conspicuously displayed at the project site. Also, you must keep a copy of the signed permit at the project site until the work is completed.

The New Orleans District Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete and return the attached Customer Service Survey or go to the survey found on our web site at http://per2.nwpo.usace.army.mil/survey.html.

Sincerely,

[Signature]
Chief, Regulatory Branch

Enclosure
DATE: MAY 19 2010

RECEIVED FROM: River Rest, LLC

THE SUM OF $10.00 DOLLARS AND 00/10 CENTS

($10.00) FOR THE FOLLOWING:

PERMITTEE: River Rest, LLC

PERMIT NUMBER: 2010-0422-CQ

CHECK NUMBER: 1581 DATED: MAY 19 2010

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TOTAL AMOUNT: $10.00

RCF: [Signature]

3a Automation Clerk

Date: MAY 19 2010
DEPARTMENT OF THE ARMY PERMIT

Permittee: River Rest, LLC

Permit No. MVN-2010-0422-EQ

Issuing Office: New Orleans District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: To maintain an existing 2200 cubic yard sand fill culverted crossing and an existing 1991 cubic yard sand fill and sheet pile bridged crossing in order to limit water access and improve land access. In accordance with drawings attached in four sheets, undated.

Project Location: Within CWPPRA project BA-39 at Latitude 29.65584/Longitude -90.01263 and Latitude 29.65086/Longitude -90.02532, approximately 5.8 miles east-southeast of Lafitte in Jefferson Parish, Louisiana.

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on MAY 31, 2016. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least 1 month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

ENG FORM 1721, Nov 86 (33 CFR 325 (Appendix A))
4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions: See Page 4.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

   (X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
   (X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

2. Limits of this authorization.
   a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
   b. This permit does not grant any property rights or exclusive privileges.
   c. This permit does not authorize any injury to the property or rights of others.
   d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
   a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
   b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
   c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
   d. Design or construction deficiencies associated with the permitted work.
e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:
   a. You fail to comply with the terms and conditions of this permit.
   b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).
   c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

\[Signature\] (PERMITTEE) \[Signature\] (DATE)

The permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

\[Signature\] (May 19, 2010) (DATE)

Michael V. Farabue, Chief Eastern Evaluation Section

for Alvin B. Lee, District Commander

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

\[Signature\] (TRANSFEREE) \[Signature\] (DATE)
SPECIAL CONDITIONS: MVN-2010-0422-EQ

7. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

8. The permittee must install and maintain, at the permittee's expense, any safety lights, signs, and signals prescribed by the US Coast Guard, through regulations or otherwise, on the permittee's authorized facilities.

9. If the proposed project, or future maintenance work, involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.) in the waterway, you are advised to notify the U.S. Coast Guard so that a Notice to Mariners, if required, may be prepared. Notification, with a copy of your permit approval and drawings, should be mailed to the US Coast Guard District, Sector New Orleans Command Center, 201 Hammond Highway, Metairie, Louisiana 70005, about 1 month before you plan to start work. Telephone inquiries can be directed to (504) 846-5923.

10. The Use of the permitted activity must not interfere with the public's right to free navigation on all navigable waters.

11. The permittee must maintain both crossings open as shown in the enclosed drawings.
LAND BRIDGE to limit water access and improve land access

2,200 yd^3 of sand used on non-vegetated water column

HEIGHT of BRIDGE 4' AS BUILT

30" CULVERTS (3)

LAT 29° 39' 21.02"
LONG 90° 00' 45.45"

Landbridge #1
1991 yd$^3$ off

.154 Acres

of non vegetated

water bottom

lat 29° 39' 03.1196'
long 90° 01' 31.1678'

Plan View

Not to Scale

Landbridge #2

Land bridge to limit
water access and improve
land access

Cross section

Not to Scale

Sheet Piling - 80' on each side

3 steel braces to support sheet pile
10 feet apart

Sheet piling 16' long

Fill above water

Water depth
Operations Division  
Eastern Evaluation Section  

SUBJECT: MVN 2010-2720-EFF  

National Marine Fisheries Service  
Attn: Mr. Richard Hartman  
Post Office Box 94245  
Baton Rouge, Louisiana 70804-9245  

Dear Mr. Hartman:  

Enclosed is a permit dated this date, subject as above, authorizing work under the Department of the Army permit program.  

You are again reminded that any work not in accordance with the approved plans is subject to removal regardless of the expense and the inconvenience that such removal may involve and regardless of the date when the discrepancy is discovered.  

Your attention is directed to all the terms and conditions of the approval. In order to have the work approved in accordance with the issued permit, all terms and conditions of the permit and plans shown on the drawings attached thereto must be rigidly adhered to.  

It is necessary that you notify the District Engineer, Attention: Eastern Evaluation Section, in writing, prior to commencement of work and also upon its completion. The notification must include the permittee’s name, as shown on the permit, and the permit number. Please note the expiration date on the permit. Should the project not be completed by that date, you may request a permit time extension. Such requests must be received before, but no sooner than six months before, the permit expiration date and must show the work completed and the reason the project was not finished within the time period granted by the permit.  

A copy of Page 1 of the permit (ENG Form 1721) must be conspicuously displayed at the project site. Also, you must keep a copy of the signed permit at the project site until the work is completed.  

Sincerely,  

[Signature]  
Michael V. Farabee  
Chief, Eastern Evaluation Section  

Enclosure
SUBJECT: MVN 2010-2720-EFF

Louisiana Department of Transportation and Development
Attn: Ms. Sherrie Labas
Post Office Box 94245
Baton Rouge, Louisiana 70804-9245

Dear Ms. Sherrie Labas:

Enclosed is a permit dated this date, subject as above, authorizing work under the Department of the Army permit program.

You are again reminded that any work not in accordance with the approved plans is subject to removal regardless of the expense and the inconvenience that such removal may involve and regardless of the date when the discrepancy is discovered.

Your attention is directed to all the terms and conditions of the approval. In order to have the work approved in accordance with the issued permit, all terms and conditions of the permit and plans shown on the drawings attached thereto must be rigidly adhered to.

It is necessary that you notify the District Engineer, Attention: Eastern Evaluation Section, in writing, prior to commencement of work and also upon its completion. The notification must include the permittee’s name, as shown on the permit, and the permit number. Please note the expiration date on the permit. Should the project not be completed by that date, you may request a permit time extension. Such requests must be received before, but no sooner than six months before, the permit expiration date and must show the work completed and the reason the project was not finished within the time period granted by the permit.

A copy of Page 1 of the permit (ENG Form 1721) must be conspicuously displayed at the project site. Also, you must keep a copy of the signed permit at the project site until the work is completed.

Sincerely,

[Signature]
Michael V. Farabee
Chief, Eastern Evaluation Section

Enclosure
DEPARTMENT OF THE ARMY PERMIT

FEB 20 2013

Permittee: National Marine Fisheries Service (NMFS) & Louisiana Department of Transportation and Development (DOTD).

Permit No. 2010-2720-EFF

Issuing Office: New Orleans District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: Excavate and deposit fill to construct the Bayou Dupont Marsh and Ridge Restoration Project (BA-48 CWPPRA), for the purpose of coastal restoration efforts in Jefferson Parish, in accordance with the drawings attached in thirty-five sheets, sheets 1, 4-9, 12-18, 23-28 and 31-35 dated July 2011, sheet 2 dated May 5, 2012, sheet 3 dated December 12, 2012, sheets 11, 19 and 20 dated November 15, 2012 and sheets 21and 22, 29 and 30 dated December 2011.

Project Location: Within Plaquemines and Jefferson Parish, Section 4 and 10, T17S-R24, located on the Mississippi River (RM 64 and 65), across and south of Highway 23, near Naomi, Louisiana.

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on DEC 31, 2014. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least 1 month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

**Special Conditions: See Attached.**

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

   (X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
   (X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

2. Limits of this authorization.
   a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
   b. This permit does not grant any property rights or exclusive privileges.
   c. This permit does not authorize any injury to the property or rights of others.
   d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
   a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
   b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
   c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
   d. Design or construction deficiencies associated with the permitted work.
e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

\[\text{Signatures}\]

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

\[\text{Signatures}\]

Michael V Farabee, Chief Eastern Evaluation Section

for Edward R. Fleming, District Commander

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

\[\text{Signatures}\]

3
e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 326.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

x Eric Kaliuoda  x 2/7/2013
(PERMITTEE)  (DATE)

ERIC KALIUODA, DEPUTY SECRETARY

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

Michael V. Farabee  February 19, 2013
(DATE)

Michael V. Farabee, Chief Eastern Evaluation Section

for Edward R. Fleming, District Commander

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEREE)  (DATE)
SPECIAL CONDITIONS: MVN-2010-2720-EFF

7. This Department of the Army permit authorization expires as of December 31, 2014. The borrow site (Alliance Anchorage Borrow Area) identified in the application, is the saltwater barrier sill’s primary Borrow Area #1, (Mississippi River Mile 63.8 to Mile 65 AHP). The issuance of this permit and the permittee’s actions hereunder, shall in no way adversely affect the cost, time, and schedule of the planning and/or construction of the saltwater barrier sill by the US Army Corps of Engineers (USACE).

8. The permittee must ensure that 500,000 cubic yards (cy) are always available above elevation -70 NGVD, within the Alliance Anchorage Borrow area. A reserve area for this material has been designated and the reserve quantity must be located within the boundaries shown on the enclosed (Mississippi River Hydrographic Survey Salt Water Sill Borrow Area I- map), as Attachment 1.

9. While this project is on-going, the permittee must be aware that the USACE may issue a contract to build the sill. If USACE issues a sill solicitation, the permittee shall allow its contractor to bid on the sill contract. If the permittee’s contractor is awarded the sill contract, then the permittee shall release the contractor for the time required to build the sill. If the permittee’s contractor chooses not to bid on the sill contract or another contractor is awarded the sill contract, the permittee’s contractor shall suspend operations and move off site so as not to interfere with or delay the USACE notice to proceed or the sill contractor’s work.

10. Until the Alliance Anchorage Borrow Area is naturally restored from the effects of this permit, any additional costs associated with USACE’s construction of the sill shall be borne by the permittee. These additional costs could occur after this permit has expired. These additional costs will be calculated by the USACE. The permittee will provide funds prior to USACE opening bids for the saltwater barrier sill contract.

11. Dredging in the Alliance Anchorage Borrow site is limited to a 1V on 5H slope with a control point 400 feet riverward of the levee C/L and El. +5 feet. The permittee shall submit for approval a detailed dredging plan for the Alliance Anchorage Borrow Area. The plan shall be submitted at least 30 days prior to the scheduled commencement of work in the site and shall include hydrographic surveys of the borrow area with plans for dredging; thereby identifying the material to be removed and the 500,000 cy reserved area (material to be reserved above elevation -70 NGVD). USACE must approve the dredging plan prior to the commencement of permittee’s work. The surveys and plans shall be updated every 30 days until project completion. All updated plans must also be approved before the permittee can implement the updated plan. The surveys and dredging plan shall be submitted in electronic format and hardcopy to the USACE Mississippi River Operations Manager. For questions or forwarding information, please contact Mrs. Heather Jennings at (504) 862-1253 or heather.l.jennings@usace.army.mil.
12. To address navigation safety during construction of the project, the permittee will initiate a daily conference call; to include representatives of the dredging contractor, the U.S. Coast Guard, pertinent members of the USACE, and other navigation stakeholders. During construction, the frequency of the conference call can be reduced upon agreement from the U.S. Coast Guard and the USACE.

13. Construction over the Mississippi River levee and back levee and within 10 feet of the levees toes as well as open excavations is limited to river stages below +11 feet on the Carrollton gage.

14. Construction is not allowed when a hurricane is within 5 days of affecting the Louisiana coast. During such times, the site must be secured and flood protection maintained.

15. The permittee is aware that USACE project (NOV-NFL-5) is proposed for the back levee, at the vicinity of the project site.

16. Any damage to the revetment occurring during or as a result of this work will be repaired at the applicant’s expense.

17. The authorization does not obviate the permittee from obtaining other necessary approvals from pertinent federal, state, and/or local authorities.

18. You shall notify this office in writing within five working days after construction has been completed.

19. The permittee shall assure that contractors, foremen, and/or workers associated with project implementation are equally cognizant of the conditions and restrictions associated with this approval.

20. If archaeological materials and/or human remains are discovered during ground disturbing activities you shall cease and desist all activities in the project area and contact this office and Mr. Dennis Jones of the Louisiana Office of Cultural Development, Division of Archaeology at (225) 343-8160.

21. The permittee is aware that future site visits and inspections may be conducted to the project area by this office and/or other resource agencies, to assess project compliance with this authorization and requirements associated herewith.

22. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
SPECIAL CONDITIONS: MVN-2010-2720-EFF

23. Your use of the permitted activity must not interfere with the public's right to free navigation on all navigable waters of the United States.

24. You must install and maintain, at your expense, any safety lights, signs and signals prescribed by the US Coast Guard, through regulations or otherwise, on your authorized facilities.

25. If the proposed project, or future maintenance work, involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.) in the waterway, you are advised to notify the US Coast Guard so that a Notice to Mariners, if required, may be prepared. Notification, with a copy of your permit approval and drawings, should be mailed to the US Coast Guard, Sector New Orleans Command Center, 200 Hendee Street, New Orleans, Louisiana 70114, about 1 month before you plan to start work. Telephone inquiries can be directed to (504) 365-2281.

26. The Chitimacha Tribe of Louisiana has stated that the project area is part of the aboriginal Chitimacha homelands. If during the course of work at the site, prehistoric and/or historic aboriginal cultural materials are discovered, the applicant will contact the Chitimacha Tribe of Louisiana at Post Office Box 661, Charenton, LA 70523, and the Army Corps of Engineers, New Orleans District (CEMVN) Regulatory Branch. CEMVN will initiate the required Federal, State, and Tribal coordination to determine the significance of the cultural materials and the need, if applicable, for additional cultural resource investigations.

27. In accordance with your coordination efforts with the Maritime Navigation Safety Association, you will abide by the enclosed Dredging Procedures Narrative, shown as (Attachment II) to this authorization. Due to changes implemented and finalized within this Department of the Army permit, certain cubic yard quantities portrayed within Attachment II may not correspond with authorized calculations.

28. The proposed project occurs within an area impacted by the Deepwater Horizon Oil Spill in the summer of 2010 and activities such as yours could potentially re-suspend oilied sediments that may be located in the area. It is also noted that cleanup crews associated with the US Coast Guard’s Deepwater Horizon Response are potentially working in multiple sites located throughout the Louisiana coastal area. In order to coordinate and mitigate potential re-suspension of oilied sediments, adverse impacts to fish and wildlife species, and safety issues related to cleanup operations; the permittee shall contact and coordinate with LT David R. Simonson, US Coast Guard Deepwater Horizon Response (504-252-8748 or david.r.simonson@uscg.mil), prior to commencement of work.

29. After one complete growing season following completion of spoil placement within the proposed marsh restoration areas, the permittee will manually breach or degrade earthen containment dikes to marsh elevation, if they do not degrade naturally.
SPECIAL CONDITIONS: MVN-2010-2720-EFF

30. If the proposed project requires any additional work not expressly permitted herein, the permittee must obtain an amendment to this authorization prior to commencement of work.

31. In order to address potential impacts to the Pallid sturgeon, the cutterhead shall remain completely buried in the bottom material during dredging operations. If pumping water through the cutterhead is necessary to dislodge material or to clean the pumps or cutterhead, etc., the pumping rate shall be reduced to the lowest rate possible until the cutterhead is at mid-depth, where the pumping rate can then be increased. During dredging, the pumping rates shall be reduced to the slowest speed feasible while the cutterhead is descending to the channel bottom. Should the proposed project directly or indirectly affect the pallid sturgeon or their habitats, further consultation with that office will be necessary.

32. In order to address potential impacts to the West Indian manatee, all personnel associated with the project should be instructed about the potential presence of manatees, manatee speed zones, and the need to avoid collisions with an injury to manatees. All personnel should be advised that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act of 1972 and the Endangered Species Act of 1973. Additionally, personnel should be instructed not to attempt to feed or otherwise interact with the animal, although passively taking pictures or video would be acceptable and could provide useful data in the Service’s ongoing manatee conservation efforts. During in-water work in areas that potentially support manatees, all on-site personnel are responsible for observing water-related activities for the presence of manatee(s). The following actions will be administered to minimize potential impact to manatee: (1) all work, equipment, and vessel operation should cease if a manatee is spotted within a 50 foot radius (buffer zone) of the active work area. Once the manatee has left the 50 foot buffer zone on its own accord (manatees must not be herded or harassed into leaving), or after 30 minutes have passed without additional sightings of manatee(s) in the buffer zone, in-water work can resume under careful observation for manatees. (2) If a manatee is sighted in or near the project area, all vessels associated with the project should operate at “no wake/idle” speeds within the construction area and at all times while in waters where the draft of the vessel provides less than a fourfoot clearance from the bottom. Vessels should follow routes of deep water whenever possible. (3) If used, siltation or turbidity barriers should be properly secured, made of material in which manatees cannot become entangled, and be monitored to avoid manatee entrapment or impeding their movement. (4) Collisions with, injury to, or sightings of manatees should be immediately reported to the US Fish and Wildlife Service’s (USFWS) Louisiana Ecological Services Office (337/293-100) and the Louisiana Department of Wildlife and Fisheries, Natural Heritage Program (225/765-2821). Please provide the nature of the call (i.e., report of an incident, manatee sighting, etc.); time of incident/sighting; and the approximate location, including the latitude and longitude coordinates, if possible. Should the proposed project directly or indirectly affect the West Indian manatee or their habitats, further consultation with that office will be necessary.
SPECIAL CONDITIONS: MVN-2010-2720-EFF

33. In order to minimize potential project impacts to bald eagles, particularly where such impacts may constitute “disturbance,” which is prohibited by the BGEPA, the permittee shall abide by the following guidelines: http://www.fws.gov/southeast/es/baldeagle/NationalBaldEagleManagementGuidelines.pdf. These Guidelines recommend: (1) maintaining a specified distance between the activity and the nest (buffer area); (2) maintaining natural areas (preferably forested) between the activity and nest trees (landscape buffers); and (3) avoiding certain activities during the breeding season. During any project construction, on-site personnel should be informed of the possible presence of nesting bald eagles in the vicinity of the project boundary, and should identify, avoid, and immediately report any such nests to this office. If a bald eagle nest occurs or is discovered within 1,500 feet of the proposed project area, then an evaluation must be performed to determine whether the project is likely to disturb nesting bald eagles. That evaluation may be conducted online at: http://www.fws.gov/southeast/es/baldeagle. Following completion of the evaluation, that website will provide a determination of whether additional consultation is necessary. Should you need further assistance interpreting the guidelines, avoidance measures, or performing an on-line project evaluation, please contact Mrs. Patti Holland with the USFWS at (337) 291-3121.

34. To minimize disturbance to colonial nesting birds, the following restrictions on activity should be observed: (1) For colonies containing nesting wading birds (i.e., herons, egrets, nightherons, ibis, and roseate spoonbills), anhingas, and/or cormorants, all activity occurring within 1,000 feet of a rookery should be restricted to the nonnesting period (i.e., September 1 through February 15, exact dates may vary within this window depending on species present). (2) On-site contract personnel be informed of the need to identify colonial nesting birds and their nests, and should avoid affecting them during the breeding season. (3) If it is necessary to perform work within 1,000 feet of a known nest site during the nesting season, a migratory bird abatement plan will need to be developed in consultation with the Service. That plan will include deterrence measures to ensure that birds do not nest in proximity to the work area during the construction period. Patti Holland with the USFWS is the Service contact for such matters and can be reached at 337-291-3121.

35. Prior to initiation of work within 1500 feet of the Mississippi River Levee system and/or within 300 feet of the back Hurricane Protection Levee, the permittee must acquire a Letter of No Objection from the USACE, Operations Manager of Completed Works. For information relevant this approval, you may contact the (Operations Manager, Mrs. Amy Powell at 504-862-2241) or (Project Manager, Mrs. Karen Clement at 504-862-2313).
Mississippi River Dredging for the Bayou Dupont Marsh and Ridge Creation (BA-48) Dredging Procedures Narrative

I. Introduction

The National Marine and Fisheries Services (NMFS) and The Coastal Protection and Restoration Authority (CPRA) have applied for a permit to construct the Bayou Dupont Marsh and Ridge Creation Project (BA-48). This project intends to create approximately 317 acres of sustainable marsh and approximately two miles of ridge along the southern shore of Bayou Dupont. Due to the project's close proximity to the Mississippi River, it is intended to utilize the renewable sediment resource from the Mississippi River to accomplish these objectives. In the spring of 2010, Mississippi River sediment was used successfully to complete the construction of the CWPPRA Project, Mississippi River Sediment Delivery System Bayou Dupont (BA-39). This narrative will present the proposed protocols for mining the sediment from the Mississippi River Alliance Anchorage borrow area and the proposed sediment delivery system to the project area.

II. Borrow Area

The Alliance Anchorage borrow area (approximately Mississippi RM 63.7 to RM 65 Above Head of Passes) was chosen as the sediment source for this project due to its' previous use as the BA-39 borrow area and available material. Permit drawing sheets 3 and 10 depict the horizontal delineation and the typical section of the proposed borrow area. The designated borrow area will stretch approximately 7000 feet along the alliance anchorage borrow area with an average width of approximately 900 feet. The western boundary will be approximately 800 feet to the centerline of the Mississippi River and Tributary (MRT) levee and the eastern boundary will maintain an approximate distance of 300 feet from the navigation channel.

1. Dredging Operations

Approximately 3.3 million cubic yards of material will be dredged from the designated area. The material will be hydraulically dredged using a cutterhead dredge to an elevation of -90 feet NAVD88. Approximately 1.3 million cubic yards will be retained within the southern portion of the borrow area to accommodate the potential need for the construction of the USACE Saltwater Barrier Sill at approximately RM 63.55. It is anticipated that dredging will begin at the northern-most portion of the delineated borrow area and move southward. If the infilling rate proves to be replenishing material in the initially dredged northern portion during dredging production, the dredge may re-dredge the newly deposited material before moving to the southern reaches of the borrow area.
2. Dredging Safety

2.a Mississippi River and Tributary Levee Stability Evaluation. A global slope stability analysis of the Mississippi River and Tributary levee has been performed using the proposed dredging template. Factors of safety calculated exceed the minimum factors of safety provided by the Hurricane and Storm Damage Risk Reduction System (HSDRRS) Design Guidelines dated June 12, 2008.

2.b Floating Sediment Pipeline. The dredge pipeline will contain a floating segment between the dredge and the shoreline pipe. The contractor will be required to provide the location of the floating sediment pipeline in the work plan, daily communication plan. Segments of floating sediment pipeline shall be clearly marked with dredging aids and lights in such a way as to obstruct or confuse navigation. All dredging aid markers and lights shall comply with the regulations set forth in Commandant USCG Instruction M16672.2, Navigation Rules: International-Inland (COMDTINST M16672.2), or 33 CFR 81 Appendix A (International) and 33 CFR 84 through 33 CFR 89 (Inland) as applicable.

2.c Communication. The contractor will be required to submit a daily communication plan to the Owner, the USACE, and the MNSA. The dredge will communicate with the main control stations using bridge-to-bridge radiotelephones capable of transmitting and receiving on the frequencies within the 156 to 162 Megahertz bank using the class of emissions designated by the Federal Communications Commission for the exchange of navigational information. During mobilization, construction, and demobilization, an Officer shall be required to be present on the dredge. The Officer shall be required to implement operational safety of all vessels associated with the project and will be required to monitor the marine radio channels for vessel-to-vessel communications.

2.d Dredge Location Control. The dredge shall be required to operate electronic positioning equipment that shall send clear and frequent dredge position updates so as to ensure accurate and continuous accessibility to the location of the dredge. The contractor’s daily communication plan shall include the delineation of the dredge, attendant plant, anchor, buoys, and floating pipeline.

2.e Interference with Mississippi River Traffic. Based on the delineation of the cutterhead dredge work area, there should be no interference with Mississippi River traffic. The borrow area’s eastern-most limit runs approximately 300 feet from the boundary of the navigation channel. The dredge shall be required to attach buoys to its anchor lines to alert river traffic of the anchors’ locations within the dredge anchor limits shown on the permit drawings. This information will be provided daily to the MNSA.

2.f Obstruction of Navigable Waterways. In order to keep the Mississippi River free of obstructions, any item (material, plant, machinery, or appliance) which is misplaced overboard shall be promptly marked in accordance with USCG regulations. USCG - Eighth District shall be notified immediately so as to include the description and location in the “Local Notice to Mariners” issued weekly. The obstructions shall then be recovered and removed as quickly as possible.
2.7 Pipeline Crossings. All petroleum pipelines at this location in the Mississippi River are outside of the cutterhead dredge work area. No hydraulic dredging will take place within 500 feet of any existing pipeline or submerged transmission line.
Datum of 1988 NAVD 88 U.S. Survey feet.

All elevations are given in the North American Vertical System.

Note
LEGEND

TEMPORARY SOIL
 Accessed Dredging
 Existing Groundwater Bottom

Access Channel A

1.20 Max
1.00 Min

Variety

0.00

Elevations in Feet, NAVD 88

NOTE

1988 NAVD 88 U.S. Survey feet
North American Vertical Datum of 1988
All Elevations are Given in The

Temporary Soil

Existing Ground

MLW = 0.50

Temporary Warning Sign

Access Dredging

MLW = 0.00

Temporary Soil

Existing Ground

Temporary Warning Sign

Access Dredging

EL = 0.00

MLW = 0.50

Temporary Warning Sign
Highway Crossing Detail

NOTES

1. Temporary spoil shall be placed adjacent the excavation.

2. The temporary spoil shall be backfilled into excavation pit on both sides.

Excavation pit after completion of construction to be backfilled into excavation pit on both sides.

EXCAVATION TO BE BACKFILLED INTO

LEGEND

BRACED EXCAVATION

EXISTING PIPE

DREDGE EXCAVATION TO

EXISTING PIPE

PROPOSED CASING PIPE MARKER

LA HWY 23 TRAVEL LANES

FENCE

WATERLINES

MAX WIDTH = 50.0

MAX WIDTH = 20.0

MAX WIDTH = 30.0

ELEVATIONS IN FEET, NAVD 88

VERTICAL GRAPHIC SCALE

HORIZONTAL GRAPHIC SCALE
The levee near the dredge pipeline shall be placed and maintained at each toe of
contour and address for contracting owner.

Temporary pipeline markers indicating owner.

**Note:**

**Plan View**

**Mississippi River Levee**
NOTES:

1. Temporary Pile Line Markers Indicating Owner.

2. No excavation near Mississippi River and levee.

The levee near the pile line shall be provided and maintained at each toe of contour and address for contract owner.

TREATMENT LEVEL:

- Mississippi River
- Mississippi River Levee
- Scour Pad
- Existing Concrete
- 6' x 6' x 4' timber
- Dredge
- Approx. EL = 11.0
- Temporary Pile Line
- Elevation Crown

SECTION F-F:

ELEVATIONS IN FEET, NAVD 88
PLAN VIEW

MISSISSIPPI RIVER LEVEE

NOTES:
1. THE CROWN RAMP OVER THE PIPELINE CROSSING.
2. DREDGE PIPELINE.
3. CRUSHED STONE CROWN RAMP.

TEMPORARY PIPELINE MARKER

EXISTING MISSISSIPPI RIVER LEVEE

DREDGE PIPELINE

Tem protor Pipeline (Gravel)

CRUSHED STONE CROWN RAMP

INSPCTION ROAD (GRAVEL)
SECTION 2.1.1

NOTE: EXISTING DIRT ROAD

EXISTING DIRT ROAD

DREDGE PIPELINE

CRUSHED STONE

CROWN RAMP MAX. CROWN WIDTH = 6.5

DREDGE PIPELINE

CRUSHED STONE

CROWN RAMP

PLAN VIEW

DIRT ROAD CROSSING

BAYOU DUNPORT MARSH

COASTAL PROTECTION AND RESTORATION AUTHORITY

DRAWN BY: KESSEL CANTU

PROJECT NUMBER: S-409

DATE: JULY 2011

NATIONAL MARINE FISHERIES SERVICE

ELEVATION PROFILE LA 7099

LEI SOUTH SHOAL MARSH

APPENDIX E:

JULY 2006 SPECIFICATION 1003.4 (A)

STONE MATERIAL SHALL CONFORM TO
AND LENGTH OF RAMPS. THE CRUSHED
STONE PILE WIDTH (10 MINIMUM)
CROSSINGS SHALL CONSIST OF CRUSHED
THE CROWN RAMP OVER THE PILELINE.
**SECTION K-K**

- **Trench Excavation and Fill**
  - Depth: 3.0'
- **Gravel Road**
- **Existing Road**
- **Crown Ramp**
- **Crushed Stone**

**NOTE:** DO NOT 2006 SPECIFICATION 100.3A (6). CROWNED STONE MATERIAL SHALL CONFORM TO CROSSINGS SHALL CONSIST OF CRUSHED STONE. THE CROWN RAMP OVER THE PIPELINE.
Plaquemines Parish Flood Protection Levee

1. The crown ramp over the pipeline crossings shall consist of crushed stone for full width to minimum and length of ramp.

2. DOT 2006 Specification 1003.5.6

Temporary pipeline marker

Temporary pipeline marker

NOTE

EXISTING FLOOD PROTECTION LEVEE

DREDGE PIPELINE
2. Temporary crossings shall be removed prior to demolition.
1. The temporary crossings shall be constructed using material hydraulically dredged from the bottom area in the Mississippi River.

Temporary Crossing

Section

Profile

Existing Canal Bottom

30' Steel Culvert

Temporary Crossing

1. El = 0.6'
2. THW = 0.6'
3. HLY = 0.6'

Temporary Crossing

1. El = 5.0'
2. THW = 0.8'

Temporary Crossing

Marsh Creation Area 1

Marsh Creation Area 2

Horizontal Graphic Scale

Vertical Graphic Scale
Typical Access Restriction Detail

Existing Bottom Channel

Warning Signs (Typ.)

Schedule 40 (Typ.)

2 Galvanized Steel Pipe

40 Treated Plugs (Typ.)

Typical Channel Sill Detail

Existing Bottom Channel

Prior to Demobilization
Pre-Construction Grade

Refill Channel to 4.0 ft of

Max El = 0.0 ft

Max El = 0.0 ft
### Warning Sign Side Detail

- Reflective Tape
- 40 Galvanized Plate
- 40 x .125 Schedule 40 Galvanized Pipe
- 3/8 x 3-1/2 Galvanized Flange
- Main Channel
- 9/16 x 5/16 x 15 x 15 (3) Required for Each
- S8 x ASTM 6 Bolts

### Typical Timber Plate Cap

- 40 x Treated Timber Plugs
- 3/8 x 3-1/2 Galvanized Flange
- 1/4 x Holes for Tape
- 2 Way Reflective Tape
- 5 to 8 Galvanized Washers

### Warning Sign Elevation

- 2 Way Reflective Tape
- 5 to 8 Galvanized Washers
- 1/4 x Holes for Tape
- 40 x Treated Timber Plugs

### Steel Plates

1. Steel plates shall be galvanized with a clear epoxy paint primer to prevent rust. The plate cap shall be attached using aluminum or stainless steel fasteners.
2. Minimum thickness of 0.125 inch is required for all structural members.
3. Minimum thickness of 0.062 inch is required for all non-structural members.
4. Minimum thickness of 0.032 inch is required for all non-structural members.
5. Minimum thickness of 0.015 inch is required for all non-structural members.
6. Minimum thickness of 0.005 inch is required for all non-structural members.

### Warning Notes

- Warning signs must be black and white or black and yellow. The lettering for the warning signs shall be in a red color material. The lettering field shall include the lettering for the warning signs.
- Warning signs shall be installed at locations shown on sheets 3-8 and the plan at points of contact.
**Type A**

**Section & Buoy Details**

- Existing Anchor Block
- New SS Cable
- EL = -2.0
- MLLW = +0.63
- MHW = +6.0

**Elevation & Buoy Details**

- Existing Anchor Block
- Existing Rock
- EL = -4.5
- Top of Water EL = +1.0
- MLLW = +0.63
- MHW = +6.0
January 24, 2011

Richard Hartman  
Chief, Baton Rouge Office  
NOAA Fisheries  
c/o Louisiana State University  
Baton Rouge, Louisiana 70803-7535

RE: C20100273, Coastal Zone Consistency  
NMFS  
Direct Federal Action  
Bayou Dupont Marsh and Ridge Creation CWPPRA Project BA-48, Jefferson Parish, Louisiana

Dear Dr. Hartman:

The above proposed project has been reviewed for consistency with the approved Louisiana Coastal Resource Program (LCRP) as required by Section 307 of the Coastal Zone Management Act of 1972, as amended. The project, as represented in this application, is consistent with the LCRP.

If you have any questions concerning this determination please contact Brian Marcks of the Consistency Section at (225)342-7939 or 1-800-267-4019.

Sincerely,

[Signature]

Gregory J. DuCote  
Administrator  
Interagency Affairs/Field Services Division

GJD/JH/bgm

cc: David Butler, LDWF  
Pete Serio, NOD-COE  
Frank Cole, CMD/FI  
Kristi Cantu, OCPR  
Jason Smith, Jefferson Parish
Operations Division  
Eastern Evaluation Section

SUBJECT: MVN 2010-2720 EMM

National Marine Fisheries Service  
LSU, South Stadium Drive  
Baton Rouge, Louisiana 70803

Gentlemen,

Revised plans attached in 35 drawings furnished with your request to excavate and deposit fill to construct the Bayou Dupont Marsh and Ridge Restoration Project (BA-48 CWPPRA), for the purpose of coastal restoration efforts in Plaquemines and Jefferson Parishes, are approved and will be included in your plans for the work authorized by the Secretary of the Army in a permit, MVN 2010-2720 EMM, dated December 19, 2012, from the District Engineer at New Orleans, Louisiana. These plans supersede those of your original authorization. The permit is specifically extended to August 31, 2018.

The conditions to which the work is made subject, except the timeline for completion, remain in full force and effect.

A copy of the first page of this permit approval letter must be conspicuously displayed at the project site. Also, you must keep a copy of this signed letter, with attached drawings, at the project site until the work is completed.

Permittee is aware that this office may re-evaluate its decision on this permit at any time the circumstances warrant.
# STATE OF LOUISIANA
## COASTAL PROTECTION & RESTORATION AUTHORITY

### BAYOU DUPONT MARSH AND RIDGE CREATION

**BA-48**

**JEFFERSON & PLAQUEMINES PARISHES**

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**APPLICATION BY:**

NATIONAL MARINE FISHERIES SERVICE
LSU, SOUTH STADIUM DRIVE
BATON ROUGE, LA 70803

**COASTAL PROTECTION AND RESTORATION AUTHORITY**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

**BAYOU DUPONT MARSH AND RIDGE CREATION**

**TITLE SHEET**

STATE PROJECT NUMBER: BA-48
DATE: JULY 2011
FEDERAL PROJECT NUMBER: BA-48

DRAWN BY: KRISTI CANTU
DESIGNED BY: RUSS JOFFRION, P.E.
APPROVED BY: MAURY CHATELLIER, P.E.
NOTE:
1. BACKGROUND IMAGERY WAS TAKEN IN OCTOBER OF 2010
2. ALTERNATE ALIGNMENT OF DREDGE PIPELINE ALONG THE EASTERN EDGE OF CHENIER TRAVERSE BAYOU FROM THE BACK LEVEE TO BAYOU DUPONT AND NORTHWEST CORNER OF THE PROJECT SITE MAY BE USED AS PERMITTED FOR THE MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PROJECT (MN-2009-135-EFF-P20111445)
EXISTING WEIR REMOVED BY NRCS FOR THE BA-41 PROJECT. WEIR WILL BE REPLACED BY OCPR AT THE END OF CONSTRUCTION. (SEE SHEET 16 FOR DETAILS)

NOTE:
BACKGROUND IMAGERY WAS TAKEN IN OCTOBER OF 2008.
NOTES:
1. BACKGROUND IMAGERY WAS TAKEN IN OCTOBER OF 2010.
2. MINOR ALIGNMENT CHANGES AND ADJUSTMENTS OF PROJECT FEATURES THAT DO NOT IMPACT VEGETATED WETLANDS MAY BE EXECUTED IN THE FIELD.
3. Spoil will be placed discontinuously to provide for approximate 50’ gaps at 100’ intervals and/or at existing cuts.
4. Booster pump location shall be submitted in contractor’s work plan.
LEGEND

- ACCESS CHANNEL
- PERMANENT SPOIL
- PARISH BOUNDARY

NOTES:
1. CONTRACTOR IS NOT TO DREDGE OUTSIDE ACCESS CHANNEL LIMITS.
2. ACCESS CHANNEL EXCAVATION VOLUME = 500,000 CU. YDS.
3. BACKGROUND IMAGERY WAS TAKEN IN OCTOBER OF 2008.
4. MINOR ALIGNMENT CHANGES AND ADJUSTMENTS OF PROJECT FEATURES THAT DO NOT IMPACT VEGETATED WETLANDS MAY BE EXECUTED IN THE FIELD.
5. BOOSTER PUMP LOCATION SHALL BE SUBMITTED IN CONTRACTOR'S WORK PLAN.

PROPOSED LAND BASED BOOSTER PUMP LOCATION AT THE END OF WEST RAVENNA ROAD (SEE SHEET 17 FOR DETAILS)

LAT. = 29° 39' 19.06"
LONG. = 90° 00' 40.47"

ACCESS CHANNEL

NO DREDGING BEYOND THIS POINT
LAT. = 29° 38' 36.07"
LONG. = 90° 00' 29.78"

PERMANENT SPOIL PLACEMENT (TYP.)

PROPOSED BOOSTER PUMP LOCATION (SEE SHEET 17 FOR DETAILS)

MATCH LINE C (SEE SHEET 6)

APPLICATION BY:
COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DUPONT MARSH AND RIDGE CREATION

PLAN VIEW

STATE PROJECT NUMBER: BA-48
DATE: JULY 2011

FEDERAL PROJECT NUMBER: BA-48

SHEET 7 OF 35

DRAWN BY: KRISTI CANTU
DESIGNED BY: RUSJ JOFFRON, P.E.
APPROVED BY: MAURY CHATELIER, P.E.
MISSISSIPPI RIVER SEDIMENT DELIVERY PIPELINE (SEE NOTES 2 & 3)

MISSISSIPPI RIVER & TRIBUTARIES LEVEE

125.0' - DREDGE ANCHOR LIMITS - 125.0'

911' - BORROW AREA (TOP OF CUT) - 1320' AT -45' NAVD88

680' - RECORD HIGH ELEV. 4/22/79 = 10.19'

400.0' - LWRP 2007 = 0.4'

LIMIT OF PERMISSIBLE EXCAVATION - EL. = -90.0' (MAX.)

EXISTING RIVER BOTTOM - BELAIR REVET.

BORROW AREA

DREDGING NOTES:
1. THE CONTRACTOR WILL BE REQUIRED TO ANCHOR WITHIN THE DREDGE ANCHOR LIMITS SHOWN ON THE DRAWINGS. ANCHORING BEYOND THE DREDGE ANCHOR LIMITS SHOWN ON THE DRAWINGS IS NOT ALLOWED.
2. THE DREDGE ANCHOR LIMIT COORDINATES, POINTS A AND B, AND ALL DREDGE ANCHORS SHALL BE MARKED WITH BUOYS DURING DREDGING OPERATIONS.
3. THE CONTRACTOR WILL BE REQUIRED TO STAY WITHIN THE BORROW AREA LIMITS SHOWN ON THE DRAWINGS. DREDGING BEYOND THE BORROW AREA LIMITS SHOWN ON THE DRAWINGS IS NOT ALLOWED.

COASTAL PROTECTION AND RESTORATION AUTHORITY
400 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DUPONT MARSH AND RIDGE CREATION

STATE PROJECT NUMBER: BA-48
DATE: JULY 2011 (MOD DEC. 12, 2012)

TYPICAL SECTION
FEDERAL PROJECT NUMBER: BA-49

DRAWN BY: KRISTI CANTU
DESIGNED BY: RUSS JOFFRICN, P.E.
APPROVED BY: MAURY CHATELLIER, P.E.

SHEET 10 OF 35
ACCESS CHANNEL & TEMPORARY SPOIL

EL. = +2.5' MAX.

EL. = +4.0' MAX.

TEMPORARY WARNING SIGN

100.0' MAX.

MLW = 0.50'

MLW = 0.87'

ACCESS DREDGING

80.0' MAX.

10.0' MIN.

EL. = -8.0' MAX.

EXISTING GROUND

TEMPORARY SPOIL

TEMPORARY WARNING SIGN

ACCESS DREDGING

EXISTING GROUND

VARIES

NOTE:
ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) U.S. SURVEY FEET.

LEGEND

EXISTING GROUND/WATER BOTTOM
ACCESS DREDGING
TEMPORARY SPOIL

COASTAL PROTECTION AND RESTORATION AUTHORITY
420 LAURIER STREET
BATON ROUGE, LOUISIANA 70801

APPLICATION BY:
NATIONAL MARINE FISHERIES SERVICE
L.S.U. SOUTH STADIUM DRIVE
BATON ROUGE, LA 70803

BAYOU DUPTON MARSH AND RIDGE CREATION

STATE PROJECT NUMBER: BA-46

FEDERAL PROJECT NUMBER: BA-46

DATE: JULY 2011

DRAWN BY: KRISTI CANTU

DESIGNED BY: RUSS JOFFRION, P.E.
APPROVED BY: MAURY CHATELLIER, P.E.

SHEET 12 OF 35
MARSH CREATION AREAS 1 & 2

NOTE: ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) U.S. SURVEY FEET.

MARSH CREATION AREA 1

LEGEND

- EXISTING GROUND/WATER BOTTOM
- BORROW AREA
- EARTHEN CONTAINMENT/RIDGE CREATION
- MARSH FILL
- ADDITIONAL MARSH FILL
- RIDGE WEDGE

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DUPONT MARSH AND RIDGE CREATION

STATE PROJECT NUMBER: BA-48
FEDERAL PROJECT NUMBER: BA-48

DATE: JULY 2011 (MOD. APRIL 11, 2013)

DATA SHEET 14 OF 35
NOTES:
1. MATERIALS REMOVED BY OTHERS FOR ACCESS.
2. THE WEIR SHALL BE RECONSTRUCTED AS SHOWN.
3. SEE SHEET 33 FOR BUOY & SIGN DETAILS.

Coastal Protection and Restoration Authority
401 LaPlace Street
Baton Rouge, Louisiana 70801

Bayou Dupont Marsh and Ridge Creation
State Project Number: BA-48
Date: July 2011

Bayou Dupont Weir Details
Federal Project Number: BA-48
Sheet 16 of 35

Drawn by: Kristi Cantu
Designed by: Russ Joffron, P.E.
Approved by: Maury Chatellier, P.E.
NOTES:
1. BARGE ANCHORS OR JACK-UP LEGS SHALL NOT BE PLACED WITHIN 50' OF ANY EXISTING PIPELINES OR UTILITIES.
2. BOOSTER PUMP LOCATION SHALL BE SUBMITTED IN CONTRACTOR'S WORK PLAN.

BOOSTER PUMP LOCATION PROFILE SECTION
NOT TO SCALE

BOOSTER PUMP LOCATION PLAN VIEW
NOT TO SCALE
RAILROAD CROSSING DETAIL

NOTES:
1. TEMPORARY SPOIL SHALL BE PLACED ADJACENT THE EXCAVATION PIT ON BOTH SIDES.
2. THE TEMPORARY SPOIL SHALL BE BACKFILLED INTO EXCAVATION PIT AFTER COMPLETION OF CONSTRUCTION.

LEGEND
- - - - EXISTING GROUND
\[\square\square\square\square\] BRACED EXCAVATION
\[\square\square\] TEMPORARY SPOIL

COASTAL PROTECTION AND RESTORATION AUTHORITY
452 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DUPONT MARSH AND RIDGE CREATION

RAILROAD CROSSING DETAIL

STATE PROJECT NUMBER: BA-48
DATE: JULY 2011 (MOD. 11/15/12)

DRAWN BY: KRISTI CANTU
DESIGNED BY: RUSS JOFFRION, P.E.
APPROVED BY: MAURY CHATELLIER, P.E.
FEDERAL PROJECT NUMBER: BA-48
SHEET 20 OF 35
NOTE:
TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF THE LEVEE NEAR DREDGE PIPELINE.

MISSISSIPPI RIVER LEVEE
PLAN VIEW

APPLICATION BY:
NATIONAL MARINE FISHERIES SERVICES
LDU, SOUTH STADIUM DRIVE
BATON ROUGE, LA 70809

COASTAL PROTECTION AND
RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DUPONT MARSH
AND RIDGE CREATION

MISSISSIPPI RIVER LEVEE
CROSSING DETAIL

STATE PROJECT NUMBER: BA-46
DATE: JULY 2011 (MOD: DECEMBER 2011)

FEDERAL PROJECT NUMBER: BA-48

DRAWN BY: KRISTI CANTU
DESIGNED BY: RUSSEL JOFFRON, P.E.
APPROVED BY: MAURY CHATELIER, P.E.

SHEET 21 OF 35
NOTES:
1. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF THE LEVEE NEAR DREDGE PIPELINE.
2. NO EXCAVATION NEAR MISSISSIPPI RIVER AND TRIBUTARY LEVEE.

APPLICATION BY:
NATIONAL MARINE FISHERIES SERVICES
LSU SOUTH STADIUM DRIVE
BATON ROUGE, LA 70803

COASTAL PROTECTION AND RESTORATION AUTHORITY
462 LAUREN STREET
BATON ROUGE, LOUISIANA, 70801

BAYOU DUPONT MARSH AND RIDGE CREATION
STATE PROJECT NUMBER: BA-46
DATE: JULY 2011 (MCD DECEMBER 2011)

MISSISSIPPI RIVER LEVEE CROSSING DETAIL
FEDERAL PROJECT NUMBER: BA-48
SHEET 22 OF 35
NOTES:
1. THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH (10' MINIMUM) AND LENGTH OF RAMP. THE CRUSHED STONE MATERIAL SHALL CONFORM TO DOTD 2006 SPECIFICATION 1003.04 (g).
2. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF THE LEVEE NEAR DREDGE PIPELINE.
**SECTION G-G'**

- Crushed stone crown ramp
- Temporary pipeline marker
- Elevations in feet, NAVD 88
- Existing gavel road
- Crushed stone
- 25.0’ - 35.0’

**SECTION H-H'**

- Max. crown width = 6.5’
- Crushed stone crown ramp
- Dredge pipeline
- Existing gravel road surface
- 140.0’ - 200.0’

**NOTES:**
1. MISSISSIPPI RIVER LEVEE INSPECTION ROAD IS AT THE LANDSIDE TOE OF THE MISSISSIPPI RIVER LEVEE.
2. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF THE LEVEE NEAR DREDGE PIPELINE.

**Application by:**
National Marine Fisheries Service
LSU South Stadium Drive
Baton Rouge, LA 70803

**Coastal Protection and Restoration Authority**
450 Laurel Street
Baton Rouge, Louisiana 70801

**Bayou Dupont Marsh and Ridge Creation**

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</table>

**Drawn by:** Kristi Cantu

**Designed by:** Russ Joffrion, P.E.

**Approved by:** Maury Chatelieu, P.E.
NOTES:
1. THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSHED STONE MATERIAL SHALL CONFORM TO DOTD 2006 SPECIFICATION 1003.04 (a).
2. AFTER CONSTRUCTION THE DREDGE PIPELINE SHALL BE REMOVED AND THE TEMPORARY SPOIL SHALL BE BACKFILLED INTO THE TRENCH. THE ROAD SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS.
CRUSHED STONE CROWN RAMP

DREDGE PIPELINE
TRENCH EXCAVATION AND FILL

EXISTING GRAVEL ROAD

SECTION K-K'

NOTE:
THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSHED STONE MATERIAL SHALL CONFORM TO DOTD 2006 SPECIFICATION 1003.04 (a).

COASTAL PROTECTION AND RESTORATION AUTHORITY
460 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DUPONT MARSH AND RIDGE CREATION

GRAVEL ROAD CROSSING DETAIL

STATE PROJECT NUMBER: BA-48
DATE: JULY 2011

DRAWN BY: KRISI CANTU
DESIGNED BY: RUSS JOFFRION, P.E.
APPROVED BY: MAURY CHATELIER, P.E.
FEDERAL PROJECT NUMBER: BA-48
SHEET 28 OF 35
EXISTING FLOOD PROTECTION LEVEE

DREDGE PIPELINE

TEMPORARY PIPELINE MARKER

LEVEE CROWN

TEMPORARY PIPELINE MARKER

LEVEE CROWN

PLAQUEMINES PARISH FLOOD PROTECTION LEVEE

NOTES:
1. THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH (10' MINIMUM) AND LENGTH OF RAMP. THE CRUSHED STONE MATERIAL SHALL CONFORM TO DOTD 2006 SPECIFICATION 1003.04 (a).
2. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF THE LEVEE NEAR DREDGE PIPELINE.
NOTES:
1. THE TEMPORARY CROSSING SHALL BE CONSTRUCTED USING MATERIAL HYDRAULICALLY DREDGED FROM THE BORROW AREA IN THE MISSISSIPPI RIVER.
2. TEMPORARY CROSSINGS SHALL BE REMOVED PRIOR TO DEMOBILIZATION.
REFILL CHANNEL TO ±0.5’ OF PRE-CONSTRUCTION GRADE PRIOR TO DEMOBILIZATION

EXISTING BOTTOM CHANNEL

EL. = -8.0’ MAX.

TYPICAL CHANNEL SILL DETAIL

40’ TREATED PILINGS (TYP.)

EL. = +5.0’

2” GALVANIZED STEEL PIPE - SCHEDULE 40 (TYP.)

10.0’ TYP.

WARNING SIGNS (TYP.)

EXISTING BOTTOM CHANNEL

TYPICAL ACCESS RESTRICTION DETAIL

NOTE:
REMOVE AND REPLACE EXISTING TIMBER PILES USED FOR ACCESS RESTRICTIONS.

APPLICATION BY:
NATIONAL MARINE FISHERIES SERVICE
LSU, SOUTH STADIUM DRIVE
BATON ROUGE, LA 70803

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BAYOU DUPONT MARSH AND RIDGE CREATION

CANAL SILL AND ACCESS RESTRICTION DETAILS

STATE PROJECT NUMBER: BA-48
DATE: JULY 2011

FEDERAL PROJECT NUMBER: BA-46

DRAWN BY: KRISTI CANTU
DESIGNED BY: RUSS JOFFRON, P.E. APPROVED BY: MAURY CHATELIER, P.E.
SHEET 32 OF 35
**WARNING SIGN NOTES:**


2. **Neoprene Washers Shall Be Placed Between The Sign And The Piling At All Points Of Contact.**

3. **Hardware For Timber Connections Shall Be Hot Dip Galvanized In Accordance With Section 811.5 Of The Louisiana Standard Specifications For Roads And Bridges, As Published By The Louisiana Department Of Transportation And Development, Latest Edition.**

4. **Timber Piles Shall Conform To Sections 804 And 1014 Of The Louisiana Standard Specifications For Roads And Bridges, As Published By The Louisiana Department Of Transportation And Development, Latest Edition. Piles Shall Be Treated With A Creosote Solution Conforming To AWPA P2 To A Minimum Retention Of 20 PCF And Capped According To La Dotd Specification 812.05.**

5. **Timber Piling Shall Be 40' In Length With A Nominal 12" Diameter Butt And 7" Minimum Diameter At The Tip.**

6. **The Top Of The Piles Shall Be Coated With Coal Tar Epoxy Paint Prior To Placing Cap. The Pile Cap Shall Be Attached Using Aluminum Or Stainless Steel Nails.**

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**APPLICATION BY:**
National Marine Fisheries Service
L60, South Stadium Drive
Baton Rouge, Louisiana 70803

**COASTAL PROTECTION AND RESTORATION AUTHORITY**
450 Laurel Street
Baton Rouge, Louisiana 70801

**BAYOU DUPONT MARSH AND RIDGE CREATION**

**SIGN DETAILS**

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**Drawn By:** Kristi Cantu

**Designed By:** Russ Joffrion, P.E.

**Approved By:** Maury Chatellier, P.E.
NOTES:
1. ALL 3/4" DIA. ALL THREAD TIE RODS SHALL BE SECURED BY NOTCHED IN PLACE OEGE WASHERS AND TACK WELDED NUTS.
3. THE 1/2" DIA. CABLE SHALL BE SECURED USING 3 STAINLESS STEEL CLAMPS.
4. THE 3/4" DIA. ALL-THREAD TIE RODS SHALL BE A MINIMUM OF 8" BELOW TOP OF BATTER PILE AND AND 3" VERTICAL CLEARANCE FROM ADJACENT TIE ROD.
5. TIMBER PILING SHALL BE 50 FEET IN LENGTH WITH A NOMINAL 12-INCH DIAMETER BUTT AND 7-INCH MINIMUM DIAMETER AT THE TIP.

SECTION PLAN

ELEVATION MOUNTING DETAILS-2.5 SEC. DAYLIGHT ALUM.

APPLICATION BY:
COASTAL PROTECTION AND RESTORATION AUTHORITY
340 LAUREL STREET
BATON ROUGE, LOUISIANA, 70801

BAYOU DUPONT MARSH AND RIDGE CREATION

NAVIGATIONAL AID DETAILS

STATE PROJECT NUMBER: BA-48
FEDERAL PROJECT NUMBER: BA-48

DATED: JULY 2011

DRAWN BY: KRISTI CANTU
DESIGNED BY: RUS JOFFRION, P.E. APPROVED BY: MAURY CHATELLIER, P.E.

Page dimensions: 612.0x792.0
April 24, 2013

Kodi Collins P.E.
Project Manager
P. O. Box 44027
Baton Rouge, LA 10804-4027

RE: C20100273 Mod 2, Coastal Zone Consistency
NMFS
Direct Federal Action
Bayou Dupont Marsh and Ridge Creation CWPPRA Project BA-48; modification to
expand marsh creation by 82 acres with 887,475 cubic yards of dredge material from a
borrow pit in the Mississippi River, Jefferson and Plaquemines Parishes, Louisiana.

Dear Ms. Collins:

The above proposed modification has been reviewed for consistency with the approved
Louisiana Coastal Resource Program (LCRP) as required by Section 307 of the Coastal Zone
Management Act of 1972, as amended. The modification, as represented in this application, is
consistent with the LCRP. If you have any questions concerning this determination please
contact Brian Marcks of the Consistency Section at (225)342-7939 or 1-800-267-4019.

Sincerely,

[Signature]

Don Hayde
Acting Administrator
Interagency Affairs/Field Services Division

DH/JDH/bgm

cc: David Butler, LDWF
    Richard Hartman, NMFS
    Martin Mayer, NOD-COE
    Frank Cole, CMD/FI
    Jason Smith, Jefferson Parish
    Albertine Kimble, Plaquemines Parish