



**STATE OF MISSISSIPPI**

PHIL BRYANT

GOVERNOR

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

GARY C. RIKARD, EXECUTIVE DIRECTOR

January 25, 2019

Ms. Valerie Alley  
MDEQ Office of Restoration  
515 East Amite Street  
Jackson, Mississippi 39201

Dear Ms. Alley:

Re: MDEQ, Early Restoration, Bay  
St. Louis Reef Delisle  
Harrison County  
COE No. SAM201801024JRO  
WQC No. WQC2018057

Pursuant to Section 401 of the Federal Water Pollution Control Act (33 U. S. C. 1251, 1341), the Office of Pollution Control (OPC) issues this Certification, after public notice and opportunity for public hearing, to Mississippi Department of Environmental Quality, an applicant for a Federal License or permit to conduct the following activity:

MDEQ, Early Restoration, Bay St. Louis Reef Delisle: To reduce shoreline erosion, reduce marsh loss and restoration of secondary productivity. The project is proposed, identified as "The Wolf River Living Shoreline and Subtidal Reef Component", as part of the programmatic portions of an early restoration agreement, entitle "Framework for Early Restoration Addressing Injuries Resulting from the Deepwater Horizon Oil Spill" (Framework Agreement). The Deepwater Horizon "Framework Agreement" was developed as an initial step toward the restoration of natural resources injured be the Deepwork Horizon spill. The applicant proposes to place 1,800-2,500 cubic yards of fill into waters of the U.S. to create approximately 1,600 linear feet of breakwater. The fill material will consist of riprap, oyster breaks, and/or wave attenuation devices. The project also includes the placement of approximately 16,200 cubic yards of rock material in waters of U.S. to create approximately 30 acres of subtidal reef near existing reefs at the mouth of the Wolf River. [SAM201801024JRO, WQC2018057].

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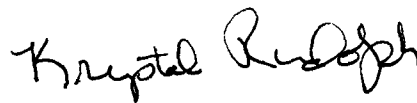
The Office of Pollution Control certifies that the above-described activity will be in compliance with the applicable provisions of Sections 301, 302, 303, 306, and 307 of the Federal Water Pollution Control Act and Section 49-17-29 of the Mississippi Code of 1972, if the applicant complies with the following conditions:

1. Material shall be clean and non-polluting, free of trash, debris, asphalt, etc.
2. Turbidity outside the limits of a 750-foot mixing zone shall not exceed the ambient turbidity by more than 50 Nephelometric Turbidity Units.
3. No sewage, oil, refuse, or other pollutants shall be discharged into the watercourse.

The Office of Pollution Control also certifies that there are no limitations under Section 302 nor standards under Sections 306 and 307 of the Federal Water Pollution Control Act which are applicable to the applicant's above-described activity.

This certification is valid for the project as proposed. Any deviations without proper modifications and/or approvals may result in a violation of the 401 Water Quality Certification. If we can be of further assistance, please contact us.

Sincerely,



Krystal Rudolph, P.E., BCEE  
Chief, Environmental Permits Division

HMW: mhg

cc: Jeremy Overstreet, U.S. Army Corps of Engineers, Mobile District  
Alane Young, Covington Civil and Environmental, LLC  
Chris Pickering, Department of Marine Resources  
Paul Necaise, U.S. Fish and Wildlife Service  
Molly Martin, Environmental Protection Agency