



STATE OF MISSISSIPPI  
PHIL BRYANT  
GOVERNOR  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
GARY C. RIKARD, EXECUTIVE DIRECTOR

August 19, 2019

Certified Mail No.7018 0360 0000 7110 3966  
Ms. Valerie Alley  
MDEQ Office of Restoration  
515 East Amite Street  
Jackson, Mississippi 39201

Dear Ms. Alley:

Re: MDEQ, Graveline Bay Intertidal  
and Subtidal Reef  
Jackson County  
COE No. SAM201900594JRO  
WQC No. WQC2019036

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, MDEQ Office of Restoration, an applicant for a Federal License or permit to conduct the following activity:

MDEQ, Graveline Bay Intertidal and Subtidal Reef: To restore lost secondary productivity resulting from the Deepwater Horizon Oil Spill. The projects is proposed as part of the programmatic portions of an early restoration agreement, entitled "Framework for Early Restoration Addressing Injuries Resulting from the Deepwater Horizon Oil Spill" (Framework Agreement). The proposed project is identified as "The Graveline Bay Intertidal and Subtidal Reef Component". The applicant proposed to place approximately 7,000 cubic yards of fill in waters of the U.S. to create approximately 10 acres of subtidal reef and 2.0 acres of intertidal reef in Jackson County, Mississippi. The fill material will consist of graded limestone, processed concrete aggregates, and/or oyster shell. The fill material will be placed along the boundary of the existing marsh in a manner to provide substrate 0.2-1.0 feet above the existing bed elevation in an undulating pattern, while maintaining a minimum depth of 0.5 feet below Mean Low Water. The applicant has requested to place additional fill material to maintain the proposed reef elevations over the 5 year monitoring

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period of the project. The project will be located in Graveline Bay, Jackson County, Mississippi. [SAM201900594JRO, WQC2019036].

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 you have any questions, please contact Montie Glenn.

Sincerely,



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

KR: mhg

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