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MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
GARY C. RIKARD, EXECUTIVE DIRECTOR

August 19, 2019

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

Dear Ms. Alley:

Re: Point Aux Chenes Bay Intertidal  
Reef  
Jackson County  
COE No. SAM201900360JRO  
WQC No. WQC2019037

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:

Point Aux Chenes Bay Intertidal Reef: To restore lost secondary productivity resulting from the Deepwater Horizon Oil Spill. The project 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 Grand Bay Intertidal and Subtidal Reef Component". The applicant proposed to place approximately 10,500 cubic yards of fill in waters of the U.S. to create approximately 6.5 acres of subtidal reef and 3.0 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 in a manner to provide substrate 0.2-3.0 feet above the existing bed elevation in an undulating pattern, while maintaining a minimum depth of 2.0 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 period of the project. The project will be located in Point Aux Chenes Bay, Jackson County, Mississippi. [SAM201900360JRO, WQC2019037].

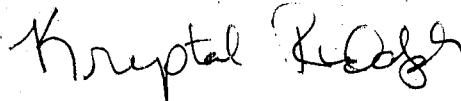
The Office of Pollution Control certifies that the above-described activity will be in compliance with the applicable provisions of Sections 301, 302, 303, 306, and 307 of the Federal Water Pollution Control Act and Section 49-17-29 of the Mississippi Code of 1972, if the applicant complies with the 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 Necaise, U.S. Fish and Wildlife Service  
Molly Martin, Environmental Protection Agency  
Alane Young, Covington Civil and Environmental, LLC