



STATE OF MISSISSIPPI

PHIL BRYANT

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

GARY C. RIKARD, EXECUTIVE DIRECTOR

September 20, 2019

Certified Mail No. 7018 0360 0000 7113 6346

Mr. Chase Glisson

Jackson County Board of Supervisors

P.O. Box 998

Pascagoula, Mississippi 39568

Dear Mr. Glisson:

Re: Jackson County Board of
Supervisors,
Dredging of St Martin Bayou
Jackson County
COE No. SAM201900212MJF
WQC No. WQC2019042

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 Jackson County Board of Supervisors, an applicant for a Federal License or permit to conduct the following activity:

Jackson County Board of Supervisors, Dredging of St Martin Bayou:
Perform maintenance dredging along 2,709 linear feet of the west prong of St. Martin Bayou along three alignments. Channel widths vary from 15-foot to 20-foot with current depths ranging from approximately -2-foot MLW to areas with depths below -5-foot MLW. The proposed project is designed to dredge each alignment to a -5-foot MLW depth. Areas of the alignments deeper than -5-foot MLW will not be dredged. Total estimated dredge quantity is approximately 7,800 yards. Dredging would be performed by mechanical equipment and will be barged to either Greenwood Island Beneficial Use Site if approved as suitable material. If material is found unsuitable for beneficial use, it will be disposed of at the Harrison County Development Commission Disposal Area C-1. An SAV and Shellfish Survey was conducted on September 28, 2018. No SAV nor live shellfish were found along the alignments. Ongoing siltation from storm water run-off, sediment deposits from storm surge and normal wave action against the banks has reduced the water depths within the identified alignments. Increasing the water depths in the bayou will restore bayou will reserve adequate storm water run-off, safer navigation and enhanced recreational

OFFICE OF POLLUTION CONTROL

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opportunities within these waterways. The site is located in St. Martin, Jackson County, Mississippi. [SAM201900212MJF, WQC2019042].

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. All fill material and excavation areas shall have side slopes of at least 3:1 (horizontal:vertical) and shall be immediately seeded, stabilized and maintained.
2. The channel depth shall gradually increase toward open water and shall not exceed the controlling navigational depth. No “sumps” shall be created by proposed dredging.
3. Best management practices should be used at all times during construction to minimize turbidity at both the dredge and spoil disposal sites. The disposal sites shall be constructed and maintained in a manner that minimizes the discharge of turbid waters into waters of the State. Best management practices should include, but not limited to, the use of staked hay bales; staked filter cloth; sodding, seeding and mulching; staged construction; and the installation of turbidity screens around the immediate project site. Any effluent from the disposal area should be routed through a return swale system and filtered through a series of hay bales and silt fences so as to reduce the turbidity of the effluent.
4. Sediment testing for approval of material placement shall be done in accordance with protocols established by the Beneficial Use Group as part of the Beneficial Use Program within the Department of Marine Resources.
5. The excavated material shall be disposed in an approved beneficial use site or contained upland disposal site and stabilized to prevent movement of sediment into adjacent drainage areas.
6. Turbidity outside the limits of a 750-foot mixing zone shall not exceed the ambient turbidity by more than 50 Nephelometric Turbidity Units.
7. 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.

Mr. Glisson
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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 Joseph Paige.

Sincerely,



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

KR: csh

cc: Maryellen Farmer, U.S. Army Corps of Engineers, Mobile District
Willa Brantley, Department of Marine Resources
David Felder, U.S. Fish and Wildlife Service
Molly Martin, Environmental Protection Agency
Bobby Weaver, Seymour Engineering, PLLC