



**STATE OF MISSISSIPPI**  
TATE REEVES  
GOVERNOR  
**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

January 13, 2020

Certified Mail No. 7018 0360 0000 7113 5516

Mr. Brad Fulton  
Jackson County Board of Supervisors  
2915 Canty Street  
Pascagoula, MS 39568

Dear Mr. Fulton:

Re: Jackson County Board of  
Supervisors, Dredging of Bayou  
Castelle  
Jackson County  
COE No. SAM201900980MGS  
WQC No. WQC2019078

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, 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 Bayou Castelle: The applicant proposes to dredge a total of 4,787 linear feet (LF) within the four tributaries of Bayou Castelle. The USACE has determined the permit area to include all the waters within the four Reaches to be dredged as well as all the waters within the Bayou Castelle and Sioux Bayou (Beneficial Use Site). Approximately 3,815 cubic yards of material would be dredged from the four tributary bottoms using a crane and barge. The tributaries would be dredged to a depth of 6.0 feet below Mean Low Water. The small wetland island (0.04 acres) to be dredged at the east end of Reach No. 4 is estimated at 387 cubic yards. All four Reaches would be dredged at a 3:1 (horizontal to vertical) slope and the material would be placed within the Sioux Bayou Beneficial Use Site. [SAM201900980MGS, WQC2019078].

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

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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 shall 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 may 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. 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.
5. Turbidity outside the limits of a 750-foot mixing zone shall not exceed the ambient turbidity by more than 50 Nephelometric Turbidity Units.
6. 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 Florance Bass.

Mr. Brad Fulton  
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Sincerely,



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

KR: bdf

cc: Michael G. Stevens, 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, Region 4  
TJ Holiday, Michael Baker International

