

APPLICATION FOR ALTERNATIVE OYSTER CULTURE PERMIT

LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES

New Orleans, Louisiana

Name of Applicant: PEARL RIVER FISHERIES OF LOUISIANA, L.L.C.

Address of Applicant: P.O. BOX 5204

SLIDELL, LA 70461

Com Fish Lic: 487479 Harvester Lic: 278600

Contractors Lic: _____ Surety Bond: _____

Transferred Date: ___/___/___ Name: _____

Address: _____

Transferred Date: ___/___/___ Name: _____

Address: _____

Transferred Date: ___/___/___ Name: _____

Address: _____

Cancelled ___/___/___ Reinstated ___/___/___

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Comments: _____

The undersigned herewith applies for a permit to conduct alternative oyster culture activity for a period of ten (10) years from the acceptance of this application and issuance of the completed permit, an annual rental fee of Two and No/100 Dollars (\$2.00) per acre payable upon receipt of the completed agreement and thereafter annually on or before the first day of January until the termination of the permit or lease containing 3 acres, more or less of water bottoms, located in the parish of ST BERNARD and more particularly described as follows:

LITTLE BAYOU PIERRE

An application fee \$100.00 dollars is paid herewith.

The undersigned prays that this application be registered, that a permit be issued to Applicant, which permit, issued by the Louisiana Department of Wildlife and Fisheries, will be considered as an acceptance of this application and a completion and execution of the contract.

This application is made and the permit is to be issued subject to the provisions of Louisiana Revised Statutes of 1950, Title 56, Sections 421-449, and of the rules and regulations of the said Department, specifically including but limited to Louisiana Revised Statute 56:431.2 and Louisiana Administrative Code 76:VII.535, and Applicant hereby agrees to pay said Department for services in connection herewith in accordance with the scale of charges printed and herein mentioned.

The undersigned certifies that Applicant is qualified under law to receive the requested permit to conduct alternative oyster culture; and that Applicant has taken cognizance of the statutes, rules, and regulations identified herein and makes them a part of this application.

The undersigned further certifies that:

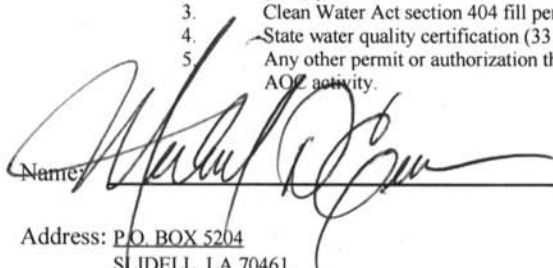
- a. If Applicant is not a natural person, the person signing this application is duly authorized to do so on behalf of Applicant.
- b. Applicant is the holder of State of Louisiana oyster lease number 3283607 covering state water bottoms; and that this is the lease upon which Applicant seeks a permit to conduct alternative oyster culture activities.
- c. The alternative oyster culture activities that Applicant seeks to conduct are:
1600 On-bottom cages, 0 racks, or 0 bags
0 Off-bottom cages, 0 racks, or 0 bags,
0 suspended by poles or floats 0 String or longline culture
Other. Describe:

d. Applicant has not been convicted of or pled guilty to a class 4 or greater oyster-related violation, as defined in the laws pertaining to wildlife and fisheries, within three years prior to the submission of the application.

e. A cost estimate to remove and properly dispose of all equipment, facilities and other items sought sought to be permitted, prepared by a contractor that has a valid Louisiana Commercial Contractor License for the classification of Heavy Construction or Coastal Restoration and Habitat Enhancement, and has no familial or business relationship with the applicant has been supplied and approved by the Louisiana Department of Wildlife and Fisheries.

f. All other local, state, and federal permits necessary for the activity sought to be permitted, or documentation from the relevant agencies establishing that such permits are unnecessary, specifically including:

1. State coastal use permit (R.S. 49:214.30).
2. Federal obstruction to navigation section 10 (33 U.S.C. §403 and/or section 9 (33 U.S.C. §401) permit.
3. Clean Water Act section 404 fill permit (33 U.S.C. §1344).
4. State water quality certification (33 U.S.C. §1341).
5. Any other permit or authorization that may be required by a state or federal agency for the AOE activity.

Name: 

Telephone No. Quadrangle: 132
(228) 323-4649 4647

Address: P.O. BOX 5204
SLIDELL, LA 70461



**DEPARTMENT OF NATURAL RESOURCES
OFFICE OF COASTAL MANAGEMENT**

P.O. BOX 44487
BATON ROUGE, LOUISIANA 70804-4487
(225)342-7591
1-800-267-4019

COASTAL USE PERMIT/CONSISTENCY DETERMINATION

C.U.P. No.: P20170349

C.O.E. No.: MVN 2017- 00511 ES

NAME: **SPAT - TECH LLC**
c/o ELOS ENVIRONMENTAL, LLC
43177 EAST PLEASANT RIDGE RD.
HAMMOND, LA 70403
Attn: Landon Parr

LOCATION: **Saint Bernard Parish, LA**
Little Bayou Pierre Alternative Oyster Culture POB @ Lat. 30° 7' 43.84"N, Long. -89° 13' 34.20"W; POE @ Lat. 30° 7' 35.41"N, Long. -89° 13' 22.92"W; Section 5, T11S-R20E; Approx. 10 miles southwest of Car Island. See plats for all additional coordinates.

DESCRIPTION: Proposed placement of Hesco baskets in open water for the purpose of growing high density spat on shell (Alternative Oyster Culture) for oyster production. After 90 days the Hesco baskets and shell will then be fully removed from the project site. Approx. 1,596 cy. of Hesco baskets/spat on shell will be required during project activities.

In accordance with the rules and regulations of the Louisiana Coastal Resources Program and Louisiana R.S. 49, Sections 214.21 to 214.41, the State and Local Coastal Resources Management Act of 1978, as amended, the permittee agrees to:

1. Carry out, perform, and/or operate the use in accordance with the permit conditions, plans and specifications approved by the Department of Natural Resources.
2. Comply with any permit conditions imposed by the Department of Natural Resources.
3. Adjust, alter or remove any structure or other physical evidence of the permitted use if, in the opinion of the Department of Natural Resources, it proves to be beyond the scope of the use as approved or is abandoned.
4. Provide, if required by the Department of Natural Resources, an acceptable surety bond in an appropriate amount to ensure adjustment, alteration, or removal should the Department of Natural Resources determine it necessary.
5. Hold and save the State of Louisiana, the local government, the department, and their officers and employees harmless from any damage to persons or property which might result from the use, including the work, activity, or structure permitted.
6. Certify that the use has been completed in an acceptable and satisfactory manner and in accordance with the plans and specifications approved by the Department of Natural Resources. The Department of Natural Resources may, when appropriate, require such certification to be given by a registered professional engineer.
7. All terms of the permit shall be subject to all applicable federal and state laws and regulations.
8. This permit, or a copy thereof, shall be available for inspection at the site of work at all times during operations.
9. The applicant will notify the Office of Coastal Management of the date on which initiation of the permitted activity described under the "Coastal Use Description" began. The applicant shall notify the Office of Coastal Management by entering a commencement date through the online system, or by mailing said information to OCM.
10. Unless specified elsewhere in this permit, this permit authorizes the initiation of the coastal use described under "Coastal Use Description" for two (2) years from the date of the signature of the Secretary or his designee on the original permit which was June 12, 2017. If the coastal use is not initiated within this two (2) year period, then this permit will expire and the applicant will be required to submit a new application. Initiation of the coastal use, for the purposes of this permit, means the actual physical beginning of the use of activity for which the permit is required. Initiation does not include preparatory activities, such as movement of equipment onto the coastal use site, expenditure of funds, contracting out of work, or performing activities which by themselves do not require a permit. In addition, the permittee must, in good faith, and with due diligence, reasonably progress toward completion of the project once the coastal use has been initiated.
11. The following special conditions must also be met in order for the use to meet the guidelines of the Coastal Resources Program:

- a. Structures must be marked/lighted in accordance with U. S. Coast Guard regulations.
- b. Oyster Seed Grounds:

Applicant shall abide by all conditions of the LDWF Alternative Oyster Culture (AOC) Permit. Should any structure authorized under the AOC or Coastal Use Permit become a hazard or be determined to be the cause of water bottom



or shoreline damage, the structure shall be removed and all damage repaired at applicant's expense.

- c. The water bottom shall not be disturbed during access to the proposed work location or to remove escaped Hesco Basket shell from the waterbottoms, whether it be by dredging, wheel washing, propwashing, jetting, mucking, plowing, bull dozing or any other means of moving bottom material. Powered vessels shall be operated so as not to disturb the water bottom by propeller or jet action.
- d. Applicant shall remove the Hesco Baskets within 90 days of the installation of structures and all material should be hauled off-site and disposed of at a State approved facility.
- e. This permit does not convey any property rights, mineral rights, or exclusive privileges; nor does it authorize injury to property.
- f. All fill material shall be clean and free of contaminants and shall not contain hazardous materials such as asbestos or asbestos residue, shingles, tires, oil/grease residue, exposed rebar, protruding objects, etc.
- g. Permittee is subject to all applicable state laws related to damages which are demonstrated to have been caused by this action.
- h. Permittee shall allow representatives of the Office of Coastal Management or authorized agents to make periodic, unannounced inspections to assure the activity being performed is in accordance with the conditions of this permit.
- i. Permittee shall comply with all applicable state laws regarding the need to contact the Louisiana One Call (LOC) system (1-800-272-3020) to locate any buried cables and pipelines.
- j. This permit authorizes the initiation of the Coastal Use described under "Coastal Use Description" for two (2) years from the date of the signature of the Secretary or his designee on the original permit which was June 12, 2017. Initiation of the Coastal Use, for purposes of this permit, means the actual physical beginning of the use or activity for which the permit is required. Initiation does not include preparatory activities, such as movement of equipment onto the Coastal Use site, expenditure of funds, contracting out of work, or performing activities which by themselves do not require a permit. In addition, Permittee must, in good faith and with due diligence, reasonably progress toward completion of the project once the Coastal Use has been initiated. If the Coastal Use is not initiated within this two (2) year period, an extension may be granted pursuant to the requirements contained in the Rules and Procedures for Coastal Use Permits (Title 43:l.723.D.). Please note that a request for permit extension MUST be made no sooner than one hundred eighty (180) days and no later than sixty (60) days prior to the expiration of the permit.

The expiration date of this permit is five (5) years from the date of the signature of the Secretary or his designee on the original permit which was June 12, 2017. If the Coastal Use is not completed within this five (5) year period, an extension may be granted pursuant to the requirements contained in the Rules and Procedures for Coastal Use Permits (LAC 43:l.723(D)).

Upon expiration of this permit, a new Coastal Use Permit will be required for completion of any unfinished or uncommenced work items and for any maintenance activities involving dredging or fill that may become necessary. Other types of maintenance activities may also require a new Coastal Use Permit.

- k. This determination does not eliminate the need to obtain a permit from the United States Army, Corps of Engineers or any other Federal, state or local approval that may be required by law. The drawings submitted with your referenced application are attached hereto and made a part of the record.

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C.U.P. No.: P20170349
C.O.E. No.: MVN 2017- 00511 ES



By accepting this permit the applicant agrees to its terms and conditions.
I affix my signature and issue this permit this 12th day of June, 2017.

THE DEPARTMENT OF NATURAL RESOURCES

Karl L. Morgan, Administrator
Office of Coastal Management

This agreement becomes binding when signed by Administrator of
the Office of Coastal Management Permits/Mitigation Division, Department of Natural Resources.

Attachments



Final Plats:

1) [P20170349](#) [Final Plats](#) [06/01/2017](#)

cc: Martin Mayer, COE w/attachments
Dave Butler, LDWF w/attachments
Jessica Diez, OCM w/attachments
Craig Leblanc, Frank Cole, OCM/FI w/attachments
Saint Bernard Parish w/attachments

SPAT - TECH LLC w/attachments



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, NEW ORLEANS DISTRICT
7400 LEAKE AVENUE
NEW ORLEANS, LOUISIANA 70118

REPLY TO
ATTENTION OF

June 6, 2017

Operations Division
Eastern Evaluation Section

Subject: MVN 2017-00511 ES

Spat - Tech LLC
Attn: Chris Cannon
413 Highland Crossing Street
Baton Rouge, LA 70810

Dear Mr. Cannon:

The proposed work to place Hesco baskets in Little Bayou Pierre, St. Bernard Parish, Louisiana as shown on the enclosed drawings, is authorized under **Category II** of the **Programmatic General Permit** provided that all conditions of the permit are met.

In addition, you must comply with the enclosed: "Standard Manatee Conditions for In-Water Activities".

This authorization has a blanket water quality certification from the Louisiana Department of Environmental Quality; therefore, no additional authorization from DEQ is required.

However, prior to commencing work on your project, you must obtain approvals from state and local agencies as required by law and by terms of this permit. These approvals include, but are not limited to, a permit, consistency determination or determination of "no direct or significant impact (NDSI) on coastal waters" from the Louisiana Department of Natural Resources, Office of Coastal Management.

This approval to perform work is valid for 5 years from the date of this letter.

Permittee is aware that this office may reevaluate its decision on this permit at any time the circumstances warrant.

Should you have any further questions concerning this matter, please contact Ben Sherman at (504) 862-2041.

Sincerely,

FARABEE.MIC
HAEL.VERNE.1
053559979

Digitally signed by FARABEE.MIC and HAEL.VERNE.1
DN: c=US, o=U.S. Government, ou=DoD, ou=PEL, ou=USA, email=FARABEE.MIC@DRA.1215001.1051, 539879
Date: 2017.06.05 12:13:33 -0500

for

Martin S. Mayer
Chief, Regulatory Branch

Enclosure

STANDARD MANATEE CONDITIONS FOR IN-WATER ACTIVITIES

During in-water work in areas that potentially support manatees, all personnel associated with the project shall be instructed and aware of the potential presence of manatees, manatee speed zones, and the need to avoid collisions with, and injury to, manatee. All personnel shall be advised that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act of 1972 and the Endangered Species Act of 1973. Additionally, personnel shall be instructed not to attempt to feed or otherwise interact with the animal.

All on-site personnel are responsible for observing water-related activities for the presence of manatee(s). To minimize potential impacts to manatees in areas of their potential presence, the permittee shall insure the following are adhered to:

- All work, equipment, and vessel operation shall cease if a manatee is spotted within a 50-foot radius (buffer zone) of the active work area. Once the manatee has left the buffer zone on its own accord (manatees must not be herded or harassed into leaving), or after 30 minutes have passed without additional sightings of manatee(s) in the buffer zone, in-water work can resume under careful observation for manatee(s).
- If a manatee(s) is sighted in or near the project area, all vessels associated with the project shall operate at "no wake/idle" speeds within the construction area and at all times while in waters where the draft of the vessel provides less than a four-foot clearance from the bottom. Vessels shall follow routes of deep water whenever possible.
- If used, siltation or turbidity barriers shall be properly secured, made of material in which manatees cannot become entangled, and be monitored to avoid manatee entrapment or impeding their movement.
- Temporary signs concerning manatees shall be posted prior to and during all in-water project activities and removed upon completion. Each vessel involved in construction activities shall display at the vessel control station or in a prominent location, visible to all employees operating the vessel, a temporary sign at least 8½" X 11" reading language similar to the following: "CAUTION BOATERS: MANATEE AREA/ IDLE SPEED IS REQUIRED IN CONSTRUCTION AREA AND WHERE THERE IS LESS THAN FOUR FOOT BOTTOM CLEARANCE WHEN MANATEE IS PRESENT". A second temporary sign measuring 8½" X 11" shall be posted at a location prominently visible to all personnel engaged in water-related activities and shall read language similar to the following: "CAUTION: MANATEE AREA/ EQUIPMENT MUST BE SHUTDOWN IMMEDIATELY IF A MANATEE COMES WITHIN 50 FEET OF OPERATION".
- Collisions with, injury to, or sightings of manatees shall be immediately reported to the U.S. Fish and Wildlife Service's, Louisiana Ecological Services Office (337/291-3100) and the Louisiana Department of Wildlife and Fisheries, Natural Heritage Program (225/765-2821). Please provide the nature of the call (i.e., report of an incident, manatee sighting, etc.); time of incident/sighting; and the approximate location, including the latitude and longitude coordinates, if possible.

1. Activities authorized under this general permit shall not be used for piecemeal work and shall be applied to single and complete projects. All components of a single and complete project shall be treated together as constituting one single and complete project. All planned phases of multi-phased projects shall be treated together as constituting one single and complete project. This general permit shall not be used for any activity that is part of an overall project for which an individual permit is required.
2. No activity is authorized under this general permit which may adversely affect significant cultural resources listed or eligible for listing in the National Register of Historic Places until the requirements for Section 106 of the National Historic Preservation Act are met. Upon discovery of the presence of previously unknown historic and/or prehistoric cultural resources, all work must cease and the permittee must notify the State Historic Preservation Office and the Corps of Engineers. The authorization is suspended until it is determined whether or not the activity will have an adverse effect on cultural resources. The authorization may be reactivated or modified through specific conditions if necessary, if it is determined that the activity will have no adverse effect on cultural resources. The PGP authorization will be revoked if it is determined that cultural resources would be adversely affected, and an individual permit may be necessary.
3. There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein. The permittee will, at his or her expense, install and maintain any safety lights, signals, and signs prescribed by the United States Coast Guard, through regulations or otherwise, on authorized facilities or on equipment used in performing work under the authorization.
4. No activity may substantially disrupt the movement of those species of aquatic life indigenous to the water body, including those species which normally migrate through the area, unless the activity's primary purpose is to block or impound water.
5. If the **authorized** activity involves the installation of aerial transmission lines, submerged cable, or submerged pipelines across navigable waters of the United States the following is applicable:

The National Ocean Service (NOS) has been notified of this authorization. You must notify NOS and this office in writing, at least two weeks before you begin work and upon completion of the activity authorized by this permit. Your notification of completion must include a drawing which certifies the location and configuration of the completed activity (a certified permit drawing may be used). Notification to NOS will be sent to the following address: National Ocean Service, Office of Coast Survey, N/CS261, 1315 East West Highway, Silver Spring, Maryland 20910-3282.

6. For pipelines under an anchorage or a designated fairway in the Gulf of Mexico the following is applicable: The NOS has been notified of this authorization. You must notify NOS and this office in writing, at least two weeks before you begin work and upon completion of the activity authorized by this permit. Within 30 days of completion of the pipeline, 'as built' drawings certified by a professional engineer registered in Louisiana or by a registered surveyor shall be furnished to this office, the Commander (dpw), Eighth Coast Guard District, Hale Boggs Federal Building, 500 Poydras Street, Room 1230, New Orleans, Louisiana 70130, and to the Director, National Ocean Service, Office of Coast Survey, N/CS261, 1315 East West Highway, Silver Spring, Maryland 20910-3282. The plans must include the location, configuration and actual burial depth of the completed pipeline project.

7. If the **authorized** project, or future maintenance work, involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.) in the waterway, you are advised to notify the Eighth Coast Guard District so that a Notice to Mariners, if required, may be prepared. Notification with a copy of your permit approval and drawings should be mailed to the Commander (dpw), Eighth Coast Guard District, Hale Boggs Federal Building, 500 Poydras Street, Room 1230, New Orleans, Louisiana 70130, about 1 month before you plan to start work. Telephone inquiries can be directed to the Eighth Coast Guard District, Waterways Management at (504) 671-2107.

8. All activities authorized herein shall, if they involve, during their construction or operation, any discharge of pollutants into waters of the United States, be at all times consistent with applicable water quality standards, effluent limitations and standards of performance, prohibitions, pretreatment standards and management practices established pursuant to the Clean Water Act (PL 92-500:86 Stat 816), or pursuant to applicable state and local laws.

9. Substantive changes to the Louisiana Coastal Resources Program may require immediate suspension and revocation of this permit in accordance with 33 CFR 325.7.

10. Irrespective of whether a project meets the other conditions of this permit, the Corps of Engineers retains discretionary authority to require an individual Department of the Army permit when circumstances of the proposal warrant this requirement.

11. Any individual authorization granted under this permit may be modified, suspended, or revoked in whole or in part if the Secretary of the Army or his authorized representative determines that there has been a violation of any of the terms or conditions of this permit or that such action would otherwise be in the public interest.

12. The Corps of Engineers may suspend, modify, or revoke this general permit if it is found in the public interest to do so.

13. Activities proposed for authorization under the PGP must comply with all other necessary federal, state, and/or local permits, licenses, or approvals. Failure to do so would result in a violation of the terms and conditions of PGP.

14. The permittee shall permit the District Commander or his authorized representative(s) or designee(s) to make periodic inspections of the project site(s) and disposal site(s) if different from the project site(s) at any time deemed necessary in order to assure that the activity being performed under authority of this permit is in accordance with the terms and conditions prescribed herein.

15. This general permit does not convey any property rights, either in real estate or material, or any exclusive privileges; and it does not authorize any injury to property or invasion of rights or any infringement of federal, state, or local laws or regulations nor does it obviate the requirements to obtain state or local assent required by law for the activity authorized herein.

16. In issuing authorizations under this permit, the federal government will rely upon information and data supplied by the applicant. If, subsequent to the issuance of an authorization, such information and data prove to be false, incomplete, or inaccurate, the authorization may be modified, suspended, or revoked, in whole or in part.

17. For activities resulting in sewage generation at the project site, such sewage shall be processed through a municipal sewage treatment system or, in areas where tie-in to a municipal system is not practical, the on-site sewerage system must be approved by the local parish sanitarian before construction.

18. Any modification, suspension, or revocation of the PGP, or any individual authorization granted under this permit, will not be the basis for any claim for damages against the United States.

19. Additional conditions deemed necessary to protect the public interest may be added to the general permit by the District Commander at any time. If additional conditions are added, the public will be advised by public notice. Individual authorizations under the PGP may include special conditions deemed necessary to ensure minimal impact and compliance with the PGP.

20. The PGP is subject to periodic formal review by MVN and OCM in coordination with the Environmental Protection Agency, US Fish and Wildlife Service, the National Marine Fisheries Service, and the Louisiana Department of Wildlife and Fisheries. Comments from reviewing agencies will be considered in determination as to whether modifications to the general permit are needed. Should the District Commander make a determination not to incorporate a change proposed by a reviewing agency, after normal negotiations between the respective agencies, the District Commander will explain in writing to the reviewing agency the basis and rationale for his decision.

21. CEMVN retains discretion to review the PGP, its terms, conditions, and processing procedures, and decide whether to modify, reissue, or revoke the permit. If the PGP is not modified or reissued within 5 years of its effective date, it automatically expires and becomes null and void.

22. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

23. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party as described in Special Condition 25 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

24. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

25. If you sell the property associated with this permit, you must provide this office with a copy of the permit and a letter noting your agreement to transfer the permit to the new owner and the new owner's agreement to accept the permit and abide by all conditions of the permit. This letter must be signed by both parties.

26. Many local governing bodies have instituted laws and/or ordinances in order to regulate dredge and/or fill activities in floodplains to assure maintenance of floodwater storage capacity and avoid disruption of drainage patterns that may affect surrounding properties. Your project involves dredging and/or placement of fill; therefore, you must contact the local municipal and/or parish governing body regarding potential impacts to floodplains and compliance of your proposed activities with local floodplain ordinances, regulations or permits.

27. In issuing authorizations under this permit, the federal government does not assume any liability for: damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest; damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit, and; design or construction deficiencies associated with the permitted work.

Louisiana Department of Wildlife and Fisheries Application to Import Oysters from out of State

Applicant Name:
Spat-Tech LLC

Target species and life-stage to be imported:
American oyster (*Crassostrea virginicus*)

Location of proposed release:
Little Bayou Pierre in St. Bernard Parish (30° 7' 43.815"; 89° 13' 34.184")

Time period/year of proposed release:
Ideally, high density spat-on-shell in Hesco baskets will be placed in Little Bayou Pierre in late June 2017 and then removed no later than mid-November 2017 for transport back to Mississippi state waters for distribution on public oyster grounds to ensure sustainability of this public resource.

Source(s) of target species:
Broodstock will be collected from Little Bayou Pierre in St. Bernard Parish and transported to Spat-Tech's spawning lab in Mississippi. The oysters will be artificially induced to spawn. The larvae will then be dispersed on shell when their development makes attachment possible. The high density spat-on-shell will then be placed in Hesco baskets and transported back to Little Bayou Pierre for temporary grow out.

Approximate number of oysters proposed to be imported/released in cages*:
1,596 Hesco baskets (3x3x3 ft) will be filled with high density spat-on-shell.

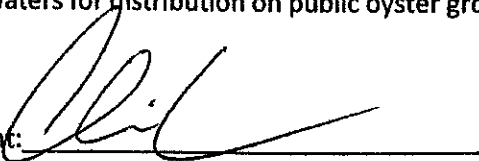
Anticipated number of importation events:
one (i.e., Ideally, Hesco basket placement will occur in late June 2017 and then removal will occur no later than mid-November 2017)

Detailed justification:
Spat-Tech has chosen Little Bayou Pierre because of its ideal water quality (e.g., temperature and salinity) for temporary grow-out (i.e., no more than 90 days) before the oysters are then transported back to Mississippi state waters for distribution on public oyster grounds to ensure sustainability of this public resource.

Measures take to minimize the possibility that exotic species/diseases will be unintentionally released:
Broodstock will be collected from Little Bayou Pierre and transported back to Spat-Tech's controlled laboratory environment for induced spawning by using appropriate hatchery management practices.

***Please note that in reference to the term "released" in the above material that these oysters will not be released into the water. Describe oyster containment method below:**
Oysters will be contained in 3x3x3 ft Hesco baskets when transported from Spat-Tech's laboratory in Mississippi to Little Bayou Pierre in St. Bernard Parish Louisiana where they will remain in the baskets for a temporary grow-out period (i.e., no more than 90 days). The Hesco baskets containing the oysters will then be transported back to Mississippi state waters for distribution on public oyster grounds to ensure sustainability of this public resource.

Signature of Applicant:



Date: 9 June 2017

Chris Cannon, Spat-Tech LLC
413 Highland Crossing Street
Baton Rouge LA 70810