



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

REPLY TO
ATTENTION OF

November 22, 2016

Operations Division
Operations Manager,
Completed Works

Mr. Robert J. Nunez
Port Ship Service, Inc.
7121 N. Peters Street
P.O. Box 369
Arabi, Louisiana 70032-0369

Dear Mr. Nunez:

We have received the Section 408 permission request letter dated October 10, 2016 from Port Ship Service, Inc., concerning permission to construct and maintain a personnel pier on the floodside of the right descending, Mississippi River levee, vicinity of second order levee station 1771+00, at Pointe a la Hache, Louisiana, in Plaquemines Parish, Louisiana.

We have reviewed the proposal and request that your office resubmit the permit request after the proposal has been revised to address the following comments:

- a. Calculation for the bearing capacity of any footings on the levee must be submitted showing a safety factor greater than 3.0. Include appropriate corrections to the bearing capacity calculations (i.e. inclined loading, base on slope, and tilted base).
- b. Piles must be a minimum distance of 15 feet from the levee toe.
- c. Details on method of pile installation must be provided.
- d. If piles are installed using heavy equipment (greater than HS-20 loading) on the batture, then a stability analysis by the Method of Planes must be provided showing the minimum calculated safety factor is greater than 1.30 for bank, crane activities, and levee for both existing conditions and proposed work.

(1) If equipment is proposed on the levee or batture then the loading with maximum pickup load must be presented. Provide crane size and location with proposed matting for the construction. (Plan map)

(2) Provide details of how the crane will mobilize to the batture.

(3) Provide 1 to 1 scaled drawings of the stability analysis with the minimum failure surfaces shown. Plots must be readable. It is suggested that a scale of 1" = 20' be used.

(4) Stability analysis input and output data files need to be provided on paper and electronically as ASCII .txt files. These files may be provided on an included CD with the submittal.

(5) The cranes in the batture must be matted at all times other than during relocation.

(6) Provide a plan map showing all referenced borings.

(7) Provide shear plots with referenced borings called out.

(8) For the proposed soil design parameters soil data should be separated into centerline and toe strengths and presented on individual plates. Include Boring Logs with testing and Ground Surface Elevations.

(9) If CPTs are included in the design then correlation plot(s) for the CPT data shall be provided.

e. For the proposed work consistent Corps of Engineers stationing must be used throughout for the plan, profile, cross sections, and stability analysis drawings. Distances should be referenced to the levee centerline, levee toe, or top of bank as appropriate. In addition, latitude & longitude and river mile locations must be shown on plan view.

f. Details of the footing on the levee must be presented. Provide a surveyed cross section with footings superimposed and with theoretical levee design section drawn on the section.

g. All items must be outside the theoretical levee design section and should be positioned to account for any anticipated settlement. Settlement calculations must be provided.

h. Backfill is to be added in 6-inch lift and compacted to 90% proctor.

i. Additional levee fill must meet the following criteria. Levee fill, defined as any material placed on or within 10 ft of the levee toes must meet the following criteria. Fill must have an organic content of no greater than 9%, as determined by ASTM D2974,

Method C. The PI of the new fill must be 10 or more by Atterberg Limits by ASTM D4318, and that the material is classified as either a CH or CL by ASTM D2487, with less than 35% sand retained on the No. 200 sieve by ASTM D1140.

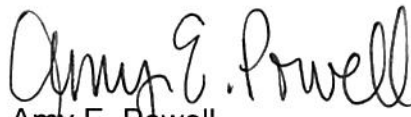
j. Construction over the levee, in the batture, and construction within 10 feet of the levee toes are performed and completed while the stage of the Mississippi River is below elevation +11 feet on the Carrollton Gage at New Orleans, Louisiana. Information on river stages can be found at www.mvn.usace.army.mil.

k. Pile installation from a crane on a barge is performed while the stage of the Mississippi River is below elevation + 15 feet on the Carrollton Gage.

After you have revised your permit to include the following comments, you should resubmit your permit request to the Plaquemines Parish Government, with a copy to the Coastal Protection and Restoration Authority of Louisiana (CPRA) office in Baton Rouge, and a copy to this office.

If we can be of any further assistance, please feel free to call Ms. Karen Clement of my office, at (504) 862-2313. Additionally, future correspondence concerning this project should reference our permit number 16-095. This will allow us to more easily locate records of previous correspondence, and thus provide a quicker response.

Sincerely,



Amy E. Powell
Operations Manager, Completed Works

cc:

CPRA
Plaquemines Parish Government
C/Reg Br, Attn: Ben Sherman