

JOINT PUBLIC NOTICE

February 5, 2018

United States Army
Corps of Engineers
New Orleans District
Attn: Regulatory Branch
7400 Leake Avenue
New Orleans, Louisiana 70118

State of Louisiana
Department of Environmental Quality
Attn: Water Quality Certification Sec.
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

Project Manager: James W. Little, Jr.
(225) 342-3099 / fax: (225) 342-9439
James.little@usace.army.mil
Permit Application Number:
MVN-2014-02715-WII

Project Manager:
Elizabeth Hill
(225) 219-3225 / fax: (225) 219-3156
WQC Application Number:
WQC 180116-03

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

The application has also been mailed to the Louisiana Department of Environmental Quality, for a Water Quality Certification (WQC) in accordance with statutory authority contained in Louisiana Revised Statute 30:2074 A(3), and provisions of Section 401 of the Clean Water Act (P.L. 95-17).

CONSTRUCT A NEW LIQUIFIED NATURAL GAS (LNG) FACILITY AND PIPELINE IN CAMERON PARISH

NAME OF APPLICANT: Venture Global Calcasieu Pass, LLC and TransCameron Pipeline, LLC, c/o ERM, Inc., Attn: Mr. Ross Hargrove, 80 South 8th Street, 1000 IDS Center, Minneapolis, MN 55402.

LOCATION OF WORK: In Cameron Parish, Louisiana; LNG terminal located at North 29.77399, West -93.33399 on the Calcasieu Ship Channel near Cameron and pipeline located east of terminal, as shown on the attached vicinity map. Hydrologic Unit Codes 08080206 Calcasieu River Basin and 08080202 Mermentau River Basin.

CHARACTER OF WORK: Clear, grade, fill, and excavate to develop a tract of land, totaling approximately 413.2 acres, in order to construct the proposed LNG facility, access roads, and appurtenant structures. In addition, approximately 51.4 acres of adjacent developed upland property will be used for support facilities during construction.

Approximately 2,199,249 cubic yards of imported fill material and soil excavated and relocated onsite will be used to develop the LNG terminal and support facilities. Approximately 5,000,000 cubic yards of sediment will be dredged/excavated from an approximately 93.5-acre open water area to create and provide access to a recessed berthing area for LNG carriers on the east shore of the Calcasieu Ship Channel at the LNG terminal. The dredged area footprint will be

approximately 3,648 feet long by 1,180 feet wide and 43 feet in depth. Hydraulic cutter-suction and/or mechanical dredges will be used. Dredged material will be transported via temporary water-based and generally submerged pipelines to an approximately 137.0-acre beneficial use site for marsh restoration and an approximately 1,328.0-acre nearshore disposal site for beach protection. The beneficial use site is located within the East Cove Unit of the Cameron Prairie National Wildlife Refuge adjacent to Calcasieu Lake. The nearshore disposal site is located in the Gulf of Mexico, along West Beach and adjacent to the Calcasieu Bar Channel. The temporary pipeline to the beneficial use site will lie within the Calcasieu Ship Channel, East Fork, and Calcasieu Lake. The route within the Calcasieu Ship Channel will generally be located outside the federally maintained navigation channel but will cross the navigation channel at several locations. Pipeline installation within Calcasieu Lake will require dredging/excavation to create a flotation channel for lay barge access and to position floating booster pump platforms. This will involve temporarily sidesteaming approximately 223,333 cubic yards of material within a 47.2-acre open water area.

Construction of the 23.4-mile-long natural gas pipeline will require clearing, grading, filling, and excavation within an approximately 378.5-acre footprint for the proposed pipeline, access roads, aboveground facilities, and temporary workspace. To install the pipeline, approximately 890,583 cubic yards of native soils will be excavated, of which approximately 16,942 cubic yards will be removed and the remainder used as backfill during site restoration. Approximately 103,683 cubic yards of temporary timber mats and imported fill materials will also be used, including approximately 4,093 cubic yards for the aboveground facilities and permanent access roads.

Approximately 184.7 acres of jurisdictional wetlands and 1,579.6 acres of Section 10 and/or 404 waters will be either temporarily or permanently impacted by development of the LNG terminal, as can be further reviewed on the attached impact summary sheet. In addition to the terminal location, the approximately 1,579.6 acres of Section 10 and/or 404 waters includes the 1,328.0-acre nearshore disposal site, the 137.0-acre beneficial use/marsh restoration site, and 47.2 acres of open water associated with the dredged material pipelines. Approximately 311.3 acres of jurisdictional wetlands and 28.6 acres of Section 10 and/or 404 waters will be either temporarily or permanently impacted by the natural gas pipeline, as can be further reviewed on the attached impact summary sheet. Should a permit be approved the applicants have proposed that beneficial use of their dredged material to create approximately 137.0 acres of marsh, along with appropriate mitigation bank credits, will offset their proposed project impacts.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be submitted so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be forwarded to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Individuals or parties may request an extension of time in which to comment on the proposed work by writing, faxing, or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the

request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days. Letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Based on the South Louisiana **Standard Local Operating Procedure for Endangered Species (SLOPES)**, as signed on October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, the proposed project was evaluated under the determination key on 11 January 2018 and it has been determined that portions of the project are located in waters known to be utilized by the West Indian Manatee (*Trichechus manatus*) and determined that the activity is not likely to adversely affect the species. If this permit is issued, the permittee will be required to follow the SLOPES Special Conditions for the West Indian Manatee.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal may result in the destruction or alteration of 1,516.7 acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality, before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.



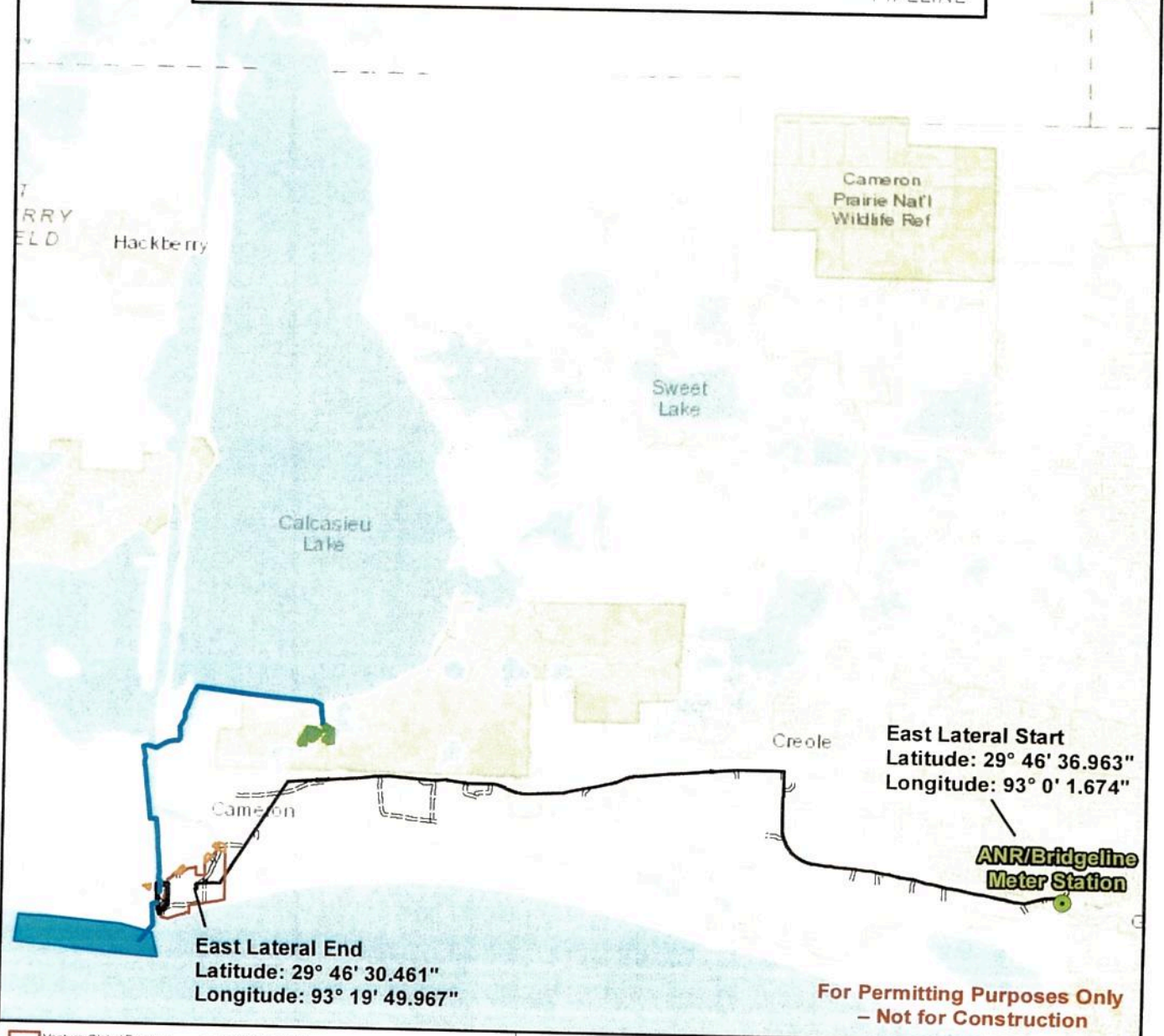
Darrell S. Barbara
Chief, Western Evaluation Section
Regulatory Branch

Enclosure

**Joint Permit Application
TransCameron Pipeline Project**
Applicant: TransCameron Pipeline, LLC
Cameron Parish, Louisiana

CALCASIEU PASS

TransCameron
PIPELINE



- | | |
|---------------------------------|---------------------------|
| Venture Global Property | Access Road |
| Construction Support Facilities | Hydraulic Dredge Pipeline |
| Proposed East Lateral Pipeline | Marsh Creation Area |
| Meter Station | Nearshore Placement Area |
| | Dredge Footprint |

Project Vicinity Map
Calcasieu Pass Terminal and TransCameron Pipeline Project
Cameron Parish, Louisiana

CALCASIEU PASS

TransCameron
PIPELINE

DRAWN BY: JSnyder

Calcasieu Pass Terminal and TransCameron Pipeline Project Summary of Wetland and Waterbody Impacts		
Facility/Wetland Type	Temporary Impacts (acres)	Permanent Impacts (acres)
Terminal and Marine Facilities		
Terminal Site Operational Footprint		
Estuarine Emergent	-	14.17
Estuarine Scrub-Shrub	-	0.71
Estuarine Mosaic	-	14.02
Mudflats	-	0.30
Palustrine Emergent	-	61.20
Palustrine Scrub-Shrub	-	28.90
Waters	-	1.24
Temporary Workspaces		
Estuarine Emergent	6.56	-
Estuarine Scrub-Shrub	0.07	-
Estuarine Mosaic	3.60	-
Mudflats	0.05	-
Palustrine Emergent	25.47	-
Palustrine Forested	2.51	-
Palustrine Scrub-Shrub	4.71	-
Waters	0.12	-
Access Roads		
Estuarine Emergent	0.04	1.41
Estuarine Scrub-Shrub	0.02	-
Estuarine Mosaic	-	0.07
Palustrine Emergent	-	2.89
Palustrine Scrub-Shrub	-	0.02
Waters	-	0.06
Liberty Support Facility		
Palustrine Emergent	0.92	-
Marine Facilities (area removed by excavation)		
Estuarine Emergent	-	9.67
Estuarine Scrub-Shrub	-	6.76
Mudflats	-	0.63
Onshore Waters	-	0.14
Calcasieu Ship Channel Waters	-	1.06
Marine Facilities (area removed by dredging)		
Calcasieu Ship Channel Waters	-	64.77 ^{iv}
Dredged Material Placement - Nearshore		
Waters	1,328.0	-
Marsh Restoration		
Waters	47.19	137.0
Pipeline System		
Pipeline		
Estuarine Emergent	206.60	-
Estuarine Scrub-Shrub	32.51	-
Palustrine Emergent	46.42	-
Palustrine Scrub-Shrub	14.42	-
Palustrine Forested	0.02	-
Waters	28.57	-
Aboveground Facilities		
Estuarine Scrub-Shrub	-	1.20
Palustrine Emergent	-	0.10
Access Roads		
Estuarine Emergent	2.50	<0.1
Estuarine Scrub-Shrub	0.50	-
Palustrine Emergent	0.7	0.1
Palustrine Scrub-Shrub	0.1	-
Waters	<0.1	<0.1
Contractor Yard		
Estuarine Emergent	6.1	-
Waters	<0.1	-
Total Wetlands	353.82	142.15
Total Waters	1,403.88	204.27
Total Wetlands and Waters	1,757.70	346.42

^{iv} The 64.77 acres to be dredged for the marine berth consist of existing deepwater habitats that would be deepened as a result of the project.