

STATEMENT OF QUALIFICATIONS
TO PROVIDE
ENGINEERING SERVICES TO JEFFERSON PARISH
FOR MISCELLANEOUS ENVIRONMENTAL SERVICES
NOT TO EXCEED \$100,000 ON AN AS NEEDED BASIS,
NOT TO EXCEED \$300,000 PER FIRM ANNUALLY
FOR A TWO (2) YEAR TERM
RESOLUTION NO. 140859

SOQ NO. 22-054



January 6, 2023

Prepared By:



PROFESSIONAL
ENGINEERING AND
ENVIRONMENTAL
CONSULTANTS, INC.

ENGINEERS, PLANNERS AND ENVIRONMENTAL CONSULTANTS
1065 Muller Parkway, Suite B, Westwego, LA 70094



**PROFESSIONAL
ENGINEERING AND
ENVIRONMENTAL
CONSULTANTS, INC.**

ENGINEERS, PLANNERS AND ENVIRONMENTAL CONSULTANTS

January 6, 2023

Jefferson Parish Council
c/o Ms. Shanna Folse, Buyer
General Government Building
200 Derbigny Street
Suite 4400
Gretna, LA 70053

**RE: ENGINEERING SERVICES FOR MISCELLANEOUS
ENVIRONMENTAL SERVICES NOT TO EXCEED
\$100,000 PER JOB ON AN AS NEEDED BASIS, NOT TO
EXCEED \$300,000 PER FIRM ANNUALLY FOR A TWO (2) YEAR TERM
RESOLUTION NO. 140859
SOQ NO. 22-054**

Dear Ms. Folse,

It is our pleasure to submit this response to Jefferson Parish Council's Request for Qualifications for Professional Engineering Services for Environmental Services. PEEC has vast experience with environmental site assessments, wetlands delineation, environmental permitting, coastal restoration, Brownfields redevelopment, and corrective action plans. Along with this, our familiarity with Jefferson Parish and the close proximity of our office makes PEEC a prime candidate to provide the Engineering Services for miscellaneous environmental services.

PEEC has consistently providing state of the art solutions to complex problems facing municipalities and local government bodies. PEEC's innovative approach to problem solving has proven to be economically beneficial to its clients. Such technical ideas have been used for clients such as Jefferson Parish, Town of Grand Isle, St. Tammany Parish, City of Westwego, Grand Isle Independent Levee District, West Jefferson Levee District, Louisiana Department of Natural Resources, City of Morgan City, Texas Parks and Wildlife, Plaquemines Parish, St. Bernard Parish, St. Charles Parish, St. James Parish, Lafourche Parish, St. Martin Parish, the Town of Zwolle and numerous other private clients in the past.

We look forward to working with the Council on future projects requiring environmental services. If you have any questions regarding this matter, please contact me at (504) 347-1900.

Sincerely,

Mo Saleh, M.S., P.E.,
Principal

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EXECUTIVE SUMMARY

Professional Engineering and Environmental Consultants, Inc. (PEEC), is a registered professional engineering firm licensed in Louisiana and Texas. PEEC has highly qualified personnel, state-of-the-art equipment and the latest computer systems and software. Our office is located in Jefferson Parish, and we have had a great working relationship with Parishes in the area successfully designing and completing numerous engineering projects and environmental services for over 29 years. PEEC has provided Municipal Separate Storm Sewer System (MS4) consulting services to the City of Westwego for over 12 years and has represented the City on the Jefferson Parish MS4 Task Force with the Jefferson Parish Department of Environmental Affairs.

PEEC clients enjoy our professionalism and teamwork that lead to successful completion of projects from start to finish. PEEC recognizes the need for timely completion of projects and has proved itself capable of doing so in the past. Our personnel's qualifications cover the areas of engineering and scientific specialties, such as Environmental Site Assessments, Wetlands Delineation, Brownfields Redevelopment projects, Permitting, Mitigation Plans, Needs and Alternative Analysis, and corrective action plans making PEEC a highly qualified firm to provide environmental services.

PEEC has consistently provided state of the art solutions to complex problems facing parishes and local governmental bodies. PEEC's innovative approach to problem solving has proven to be economically beneficial to its clients.

Our technical ideas and environmental engineering services have been used for clients such as but not limited to Jefferson Parish, Town of Grand Isle, St. Tammany Parish, City of Westwego, Grand Isle Independent Levee District, West Jefferson Levee District, Louisiana Department of Natural Resources, Morgan City, Texas Parks and Wildlife, Plaquemines Parish, Lafourche Parish, St. Bernard Parish, St. Charles Parish, Town of Zwolle, St. James Parish, St. Martin Parish and numerous other clients in the past.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ No. 22-054: Engineering Services for Miscellaneous Environmental Services not to exceed \$100,000 per job
On an as needed basis, not to exceed \$300,000 per firm annually for a two (2) year term
Resolution No. 140859

B. Firm Name & Address where Project work will be performed:

Professional Engineering and Environmental Consultants, Inc.
1065 Muller Parkway Suite B
Westwego, LA 70094

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Mo Saleh, M.S., P.E.
Principal
(504) 347-1900 Ext. 25
mo@peecinc.com

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

Mo Saleh, M.S., P.E.
Principal
(504) 347-1900 Ext. 25
mo@peecinc.com

LA P.E. No. 23806 1990, Civil Engineering
LA P.E. No. 23806 1994, Environmental Engineering

E. Please provide the number of employees whose primary function corresponds with each category:

<u> 2 </u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u> 3 </u> Civil Engineers	<u> </u> Interior Designers	<u> 1 </u> Project Managers
<u> 1 </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> 1 </u> Draftsman	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> 1 </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> </u> Engineer Intern	<u> 1 </u> Environmental Engineers	
<u> 1 </u> Professional Land Surveyors		
		<u>11 TOTAL</u>

F. Is this submittal by a JOINT-VENTURE? Please check: YES ☐ NO ☒

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.		
1. N/A		
2. N/A		
H. Has this JOINT-VENTURE previously worked together? Please check: N / A YES _____ NO _____		
I. List all subcontractors anticipated for this Project. Please note that <u>all subcontractors must submit a fully completed copy of this questionnaire</u>, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.		
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2. N/A		
3. N/A		
J. Please specify the total number of support personnel that may assist in the completion of this Project: NONE		

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Mo Saleh, M.S., P.E., Principal

Project Assignment:

Principal, Senior Project Engineer

Name of Firm with which associated:

Professional Engineering and Environmental Consultants, Inc.

Years' experience with this Firm:

29

Education: Degree(s)/Year/Specialization:

M.S., Civil Engineering (1984), University of New Orleans; B.S., Civil Engineering (1980), University of New Orleans

Active registration: Year first registered/discipline:

Registered Professional Civil Engineer, LA P.E. No.23806; Registered Professional Environmental Engineer, LA P.E. No. 23806; Registered Professional Civil Engineer, FL P.E. No. 42728; Registered Professional Engineer, TX P.E. No. 86026; 40 Hour Hazmat Technician, Levels A, B, C, D, SCBA, SAR, APR, Certificate No. 1007; 8 Hour Hazmat Supervisor, Certificate No. 1012; Underground Storage Tank (UST) Removal Certification.

Other experience and qualifications relevant to the proposed Project:

As a Senior Project Engineer, Mr. Saleh has over (30) years of experience providing engineering services on numerous environmental engineering projects including: coastal restoration, environmental site assessments, Brownfields redevelopments, and corrective action plans. Mr. Saleh was also involved with the Environmental Assessment Review of the status of oil spill threats to Louisiana's Gulf Coast for the U.S. Department of Energy SPR Project Management Office. He was responsible for the Environmental Assessment (Phase I and II), permitting, design and funding for a new port facility and access channel, dredged material disposal, and wetland creation for the Grand Isle Port Commission. Mr. Saleh has experience in wetland delineation and has worked very closely with US Army Corps of Engineers and LA DNR. He is also very knowledgeable in preparing all necessary permits and performing noise and air quality analyses.

At Professional Engineering and Environmental Consultants, Inc., Mr. Saleh's engineering services include providing technical expertise and assistance to many local cities and parish's including the City of Westwego, Morgan City, Town of Grand Isle, Town of Zwolle, City of Gretna, Grand Isle Independent Levee District, West Jefferson Levee District, Grand Isle Port Commission, Jefferson Parish, Plaquemines Parish, St. Charles Parish, St. Bernard Parish and St. Tammany Parish. Mr. Saleh will fulfill the role of Senior Project Engineer on any awarded projects.

TEC Professional Services Questionnaire

Design of Grand Isle Port Commission Bulkhead System

The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits. Mr. Saleh was in charge of the engineering design, funding process, conducting the bid process, and project management.

Phase I Environmental Site Assessment for Slidell Hurricane Protection Levee Segment III

Professional Engineering and Environmental Consultants, Inc. (PEEC) was directed by the St. Tammany Parish Government to conduct a Phase I Environmental Site Assessment (ESA) in accordance with E1527-05 for a Slidell Levee Segment-III. The purpose of this report is to identify the recognized environmental conditions including CERCLA defined hazards and petroleum products, asbestos containing materials, lead based paint, lead in drinking water and wetlands. The project was located in St. Tammany Parish, north of Lake Pontchartrain, east of Interstate 10, and south of Interstate 12. This area is considered to be Slidell, but the project was not incorporated in the city limits. Mr. Saleh was the Senior Project Engineer responsible for the environmental permitting, environmental impact assessment, funding, construction inspection and construction management.

Environmental Site Assessment for Plaquemines Parish

PEEC developed a Master Plan for Drainage Improvements for the Parish. One aspect of the recommended improvements was to add additional drainage capacity of the existing drainage canals and also adding new drainage pump stations. PEEC obtained topographic surveying, current improvements in the area including drainage size and utility location of the drainage area. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. Drain inlets were spaced so that no ponding would occur in the street for a 10, 25, 50 and 100-year storm. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. PEEC obtained all wetland permits, conducted a site assessment and risk assessment, and provided alternative environmental and technical analysis as part of the project. Mr. Saleh was the Senior Project Engineer responsible for the environmental permitting, environmental impact assessment, funding, construction inspection and construction management.

Phase I Environmental Site Assessment For 4th Street (LA18/466) Extension

The City of Gretna directed PEEC to conduct a Phase I Environmental Site Assessment (ESA) for the 4th Street (LA 18/466) Extension Project. This Phase I ESA was conducted in accordance with ASTM E 1527-00 with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and petroleum products. The location of the proposed corridor is in the City of Gretna, North of the Westbank Expressway (LA 90), between Fried Street and Burmaster Street along an abandoned Union Pacific Railroad Corridor. The goal of this project is to identify recognized environmental conditions. This includes identifying the presence or likely presence of any hazardous substances or petroleum products on any portion of the proposed project route. This report was not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment. PEEC obtained all previous records, data, information, and reports from the City of Gretna and Burk-Kleinpeter and utilized the service of EDR for environmental research and historical data. PEEC conducted three (3) site visits during the months of November and December 2004. Mr. Saleh was the Senior Project Engineer responsible for the environmental permitting, environmental impact assessment, funding, construction inspection and construction management.

City of Westwego Brownfields Program

A former funeral parlor and contaminated industrial equipment storage site, the property is now a beautiful training facility for mentally and physically challenged adults. In partnership with the State of Louisiana, the City of Westwego, the Jefferson Parish Human Services Authority, a grassroots Westbank parent group and The Arc of Greater New Orleans, a café serving New Orleans cuisine was built. The Vintage Café, modeled after the White House Plantation built in 1870, is

TEC Professional Services Questionnaire

a flourishing neighborhood restaurant that provides work-training opportunities to twenty adults with a severe developmental disability. For many of the trainees, this is the first opportunity they have had to prove their ability to function as a contributing member of society. The facility serves as an anchor for much of the redevelopment and revitalization in the historic Salaville area and receives much support from the local community and surrounding areas. PEEC was responsible for application services, preliminary and final design, project plans and specifications, permit approvals, opinion of total project costs, bidding services, construction administration, topographic surveying, geotechnical engineering, and construction inspection. Mr. Saleh was responsible for the environmental assessment (Phase I and II), wetland determination, and obtaining all necessary permits.

City of Gretna Brownfields Program – Malta International Project

The Malter International site in Gretna, LA operated from 1962 to 1989. The facility produced, packaged and shipped chemicals such as pesticides, herbicides and cleaning solvents. Spills of chemicals occurred at the site while the facility was in operation. The facility was abandoned in 1989, subsequent to which fire and vandalism have been reported at the site. The US EPA, on two occasions, hauled off chemical laden drums from the site and performed site cleanup. The Corps of Engineers Report indicated sample locations and sample concentrations. The soil sample near the south-east corner of the property (SB19) showed the maximum number of pollutants, some at concentrations significantly higher than the LDEQ RECAP criteria. A second sampling point to the south of the property showed a high concentration of Aldrin which was above the LDEQ RECAP criteria. The remainder of the facility was tested but did not indicate any alarming levels of contaminants. Per the LDEQ VCP Program guidelines, the contaminated site underwent comprehensive delineation and was acquired by Zatarain's, Inc. to utilize the property for additional parking and storage area. Mr. Saleh was responsible for the cleanup process and environmental impact on this site. This included a complete environmental assessment, impact, clean up and permitting under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

City of Gretna Brownfields Partnership – Ward Lumber Yard

Professional Engineering and Environmental Consultants, Inc. (PEEC) was authorized by the City of Gretna Brownfields Partnership to create a plan for Phase I Environmental Site Assessment (ESA) as well as eventual cleanup of the abandoned Ward Lumber Company site located at 701 Madison Avenue in Gretna, on the corner of Madison Avenue and Perry Street. The site was used as a railroad repair yard, lumber yard, and storage space for Mardi Gras floats. One preliminary site visit of the property was conducted in February 2000 in preparation for an eventual Phase I ESA of the property. Mr. Saleh created a plan for Phase I Environmental Site Assessment (ESA) as well as eventual cleanup of the abandoned Ward Lumber Company site. The site was used as a railroad repair yard, lumber yard, and storage space for Mardi Gras floats. He conducted a preliminary site visit of the property in preparation for an eventual Phase I ESA of the property.

Design of New Waterline to Grand Isle

A serious lack of potable water problem was associated with this town for generations which forced Grand Isle to purchase water from outside sources via barge shipments and more recently by way of a pipeline from neighboring Lafourche Parish at an extremely high rate. PEEC focused its resources on designing 32 miles of 18-inch High Density Polyethylene waterline, a new 2 MGD pump station and two water storage tank and controls for the system. The line was installed using a directional drilling method at several locations in order to cross under several high-pressure gas lines and other major oilfield pipelines. In total, the Town of Grand Isle is now able to receive over two million gallons of drinking water per day from Jefferson Parish at a fraction of the rate previously charged by other sources. Mr. Saleh was in charge of the engineering design of the waterline, performing associated computer analysis of water transmission and distribution system, environmental permitting, environmental impact assessment, funding, construction inspection and construction management.

TEC Professional Services Questionnaire

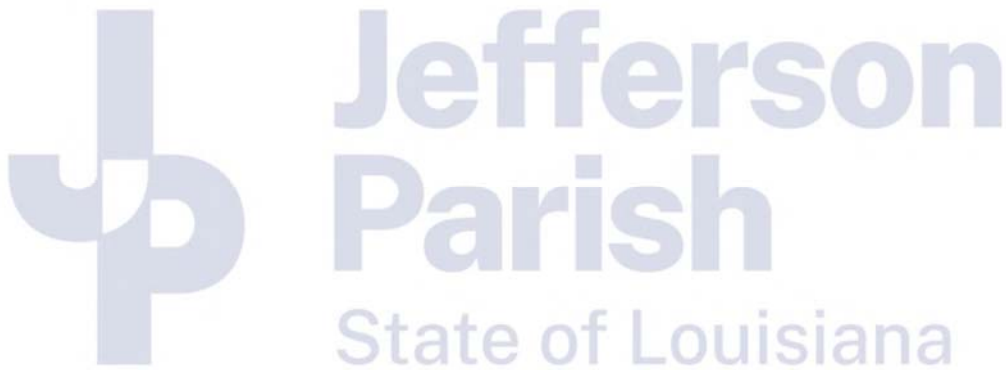
KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Larry Vicari
Project Assignment:
Quality Control Manager
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
9
Education: Degree(s)/Year/Specialization:
Southeastern Louisiana University Continuing Education
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Vicari has over (9) years of experience in construction supervision and monitoring, and planning. His education and construction background provides the company with great versatility in quality control and assurance for the various projects. Mr. Vicari will fulfill the role of Quality Control Manager for any awarded projects.</p> <p><u>Design of Grand Isle Port Commission Bulkhead System</u></p> <p>The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits. Mr. Vicari has been responsible for Quality Control and Assurance, and construction administration which included: review of shop drawings and contractor submittals, calculating quantities, approving contractor invoices, and coordinating the final inspection.</p> <p><u>City of Westwego Brownfields Program</u></p> <p>A former funeral parlor and contaminated industrial equipment storage site, the property is now a beautiful training facility for mentally and physically challenged adults. In partnership with the State of Louisiana, the City of Westwego, the Jefferson Parish Human Services Authority, a grassroots Westbank parent group and The Arc of Greater New Orleans, a café serving New Orleans cuisine was built. The Vintage Café, modeled after the White House Plantation built in 1870, is a flourishing neighborhood restaurant that provides work-training opportunities to twenty adults with a severe developmental disability. For many of the trainees, this is the first opportunity they have had to prove their ability to function as a contributing member of society.</p>

TEC Professional Services Questionnaire

The facility serves as an anchor for much of the redevelopment and revitalization in the historic Salaville area and receives much support from the local community and surrounding areas. PEEC was responsible for application services, preliminary and final design, project plans and specifications, permit approvals, opinion of total project costs, bidding services, construction administration, topographic surveying, geotechnical engineering, and construction inspection. Mr. Vicari was responsible for cost analysis, project management, project inspection and project close-out.

Westwego Waste Water Treatment Plant Improvements

The City of Westwego Waste Water Treatment Plant was built in 1965 and had operated since then without any major renovations. EPA and DEQ, after analyzing the effluent of the plant, imposed \$300,000 in fines upon Westwego for failure to meet discharge contaminant limits. PEEC studied the situation at the plant and utilizing its talented staff, was able to design renovations to the plant that allowed the City to meet EPA and DEQ regulations utilizing rehabilitated existing equipment as opposed to much more costly expansions to the plant. PEEC obtained all wetland permits, conducted a site assessment and risk assessment, alternative environmental and technical analysis, and prepared a best management practice for O&M. The rehabilitations to the waste water treatment plant included installation of a state-of-the-art grit removal system, chemical feed system and improvement to the ABF tower. These modifications will allow the waste water treatment plant to operate within compliance for the next 25 years. The modifications were so successful that the DEQ fine was rescinded, and the EPA fine was lowered to \$32,000. Mr. Vicari was responsible for construction supervision and monitoring, instrumentation, drafting, architectural design, and planning.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Delmar R. Caldwell, P.E.
Project Assignment:
Civil & Environmental Engineer
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
29
Education: Degree(s)/Year/Specialization:
B.S., Civil Engineering, Tulane University, 1982
Active registration: Year first registered/discipline:
Registered Professional Civil Engineer, LA P.E. No. 23127; Registered Professional Environmental Engineer, LA P.E. No. 23127; Registered Professional Civil Engineer, MS P.E. No. 10847; Hazardous Waste Contractor, LA No. 26898; LA DEQ Underground Storage Tank Worker Certificate No. IRC-0539.
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Caldwell is a registered Civil Engineer with more than (30) years of experience in civil and environmental engineering projects. His experience is broad based and includes: office administration and management, construction administration and supervision for major municipal programs. His technical background includes: GIS development and implementation, water and wastewater planning and design, permitting, hydraulic and hydrologic analyses and study. Mr. Caldwell has been involved with the Brownfields programs and securing grants from EPA for the City of Westwego. Mr. Caldwell was responsible for administering the entire program including identifying the under developed and contaminated sites. This included a complete Environmental assessment, impact, clean up and permitting under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Mr. Caldwell will fulfill the role of Civil and Environmental Engineer on any awarded projects.</p> <p><u>Design of Grand Isle Port Commission Bulkhead System</u></p> <p>The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits. Mr. Caldwell was responsible for preparation of plans and specifications, project administration, and construction management.</p> <p><u>Phase I Environmental Site Assessment for Slidell Hurricane Protection Levee Segment III</u></p> <p>Professional Engineering and Environmental Consultants, Inc. (PEEC) was directed by the St. Tammany Parish Government to conduct a Phase I Environmental Site Assessment (ESA) in accordance with E1527-05 for a Slidell Levee Segment-III. The purpose of this report is to identify the recognized environmental conditions including CERCLA defined</p>

TEC Professional Services Questionnaire

hazards and petroleum products, asbestos containing materials, lead based paint, lead in drinking water and wetlands. The project was located in St. Tammany Parish, north of Lake Pontchartrain, east of Interstate 10, and south of Interstate 12. This area is considered to be Slidell, but the project was not incorporated in the city limits. Mr. Caldwell was responsible for performing cost analysis, environmental permitting, and environmental impact assessment.

Environmental Site Assessment for Plaquemines Parish

PEEC developed a Master Plan for Drainage Improvements for the Parish. One aspect of the recommended improvements was to add additional drainage capacity of the existing drainage canals and also adding new drainage pump stations. PEEC obtained topographic surveying, current improvements in the area including drainage size and utility location of the drainage area. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. Drain inlets were spaced so that no ponding would occur in the street for a 10, 25, 50 and 100-year storm. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. PEEC obtained all wetland permits, conducted a site assessment and risk assessment, and provided alternative environmental and technical analysis as part of the project. Mr. Caldwell was responsible for performing cost analysis, environmental permitting, and environmental impact assessment.

City of Gretna Brownfields Program – Malta International Project

The Malter International site in Gretna, LA operated from 1962 to 1989. The facility produced, packaged and shipped chemicals such as pesticides, herbicides and cleaning solvents. Spills of chemicals occurred at the site while the facility was in operation. The facility was abandoned in 1989, subsequent to which fire and vandalism have been reported at the site. The US EPA, on two occasions, hauled off chemical laden drums from the site and performed site cleanup. The COE Report indicated sample locations and sample concentrations. The soil sample near the south-east corner of the property (SB19) showed the maximum number of pollutants, some at concentrations significantly higher than the LDEQ RECAP criteria. A second sampling point to the south of the property showed a high concentration of Aldrin which was above the LDEQ RECAP criteria. The remainder of the facility was tested but did not indicate any alarming levels of contaminants. Per the LDEQ VCP Program guidelines, the contaminated site underwent comprehensive delineation and was acquired by Zatarain's, Inc. to utilize the property for additional parking and storage area. Mr. Caldwell was responsible for the cleanup process at the former Malter site in the City of Gretna. This included a complete environmental assessment, impact, clean up and permitting under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

City of Gretna Brownfields Partnership – Ward Lumber Yard

Professional Engineering and Environmental Consultants, Inc. (PEEC) was authorized by the City of Gretna Brownfields Partnership to create a plan for Phase I Environmental Site Assessment (ESA) as well as eventual cleanup of the abandoned Ward Lumber Company site located at 701 Madison Avenue in Gretna, on the corner of Madison Avenue and Perry Street. The site was used as a railroad repair yard, lumber yard, and storage space for Mardi Gras floats. One preliminary site visit of the property was conducted in February, 2000 in preparation for an eventual Phase I ESA of the property. Mr. Caldwell was in charge of the cleanup process and supervision of debris removal. This included a complete environmental assessment, impact, clean up and permitting under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

Design of New Waterline to Grand Isle

A serious lack of potable water problem was associated with this town for generations which forced Grand Isle to purchase water from outside sources via barge shipments and more recently by way of a pipeline from neighboring Lafourche Parish at an extremely high rate. PEEC focused its resources on designing 32 miles of 18-inch High Density Polyethylene waterline, a new 2 MGD pump station and two water storage tank and controls for the system. The line was installed using a directional drilling method at several locations in order to cross under several high pressure gas lines and other major oilfield pipelines. In total, the Town of Grand Isle is now able to receive over two million gallons of drinking water per day from Jefferson Parish at a fraction of the rate previously charged by other sources. Mr. Caldwell was responsible for performing computer analysis of water transmission and distribution system, environmental permitting, environmental impact assessment, and construction management.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Dr. Morris Sade, Ph.D., P.H., P.E.
Project Assignment:
Environmental Engineer
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
14
Education: Degree(s)/Year/Specialization:
Ph.D./1990/University of Illinois/Civil & Agric. Engineering M.S./1981/University of Arizona/Civil Engineering B.S./ 1971/University of Azerbaijan/Civil & Agric. Engineering
Active registration: Year first registered/discipline:
P.E. 1997, Civil Engineer/Louisiana No. 27412; P.E. 2002, Civil Engineer/Arizona No. 38010; P.E. 2003, Civil Engineer/Texas No. 91381; P.H. 1992, Professional Hydrologist, AIH 990
Other experience and qualifications relevant to the proposed Project:
<p>Dr. Sade has served in various technical and administrative capacities during his many years of experience as a professional engineer. He has multi-disciplinary education and extensive professional experiences in Design, Research and Development, Teaching, Planning and Management in the field of Water Resources and Environmental Engineering, Hydraulics and Hydrology. He has prepared and published numerous technical reports and design projects. He has an established record of knowledge and practical experiences in various physical and environmental aspects of Louisiana's Flat terrain Hydrology, Flood Control Structures, Stormwater Management, Hydrologic and Hydraulic Design (H&H), Soil Erosion, Risk Assessment and Dam Safety Analysis, Coastal Wetlands and Groundwater Technology. He has a broad background in computer modeling and simulation techniques for design of Hydrologic and Hydraulic (H&H) systems and GIS application. He has worked extensively with hydrologic models and has comprehensive working knowledge of HEC1, HEC2, HECRAS, HEC-HMS, HYDRAIN, STORM, SWMM, TR55, WSPRO, SMS, UNET, TABS, RMAX & SED2D, WQRRS, BASINS, QUAL-2E. Dr. Sade will assume the role of Environmental Engineer for any awarded projects.</p> <p><u>Design of Grand Isle Port Commission Bulkhead System</u></p> <p>The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits. Dr. Sade was responsible for environmental permitting and environmental impact assessment.</p>

TEC Professional Services Questionnaire

Phase I Environmental Site Assessment for Slidell Hurricane Protection Levee Segment III

Professional Engineering and Environmental Consultants, Inc. (PEEC) was directed by the St. Tammany Parish Government to conduct a Phase I Environmental Site Assessment (ESA) in accordance with E1527-05 for a Slidell Levee Segment-III. The purpose of this report is to identify the recognized environmental conditions including CERCLA defined hazards and petroleum products, asbestos containing materials, lead based paint, lead in drinking water and wetlands. The project was located in St. Tammany Parish, north of Lake Pontchartrain, east of Interstate 10, and south of Interstate 12. This area is considered to be Slidell, but the project was not incorporated in the city limits. Dr. Sade was responsible for environmental permitting and environmental impact assessment.

Environmental Site Assessment for Plaquemines Parish

PEEC developed a Master Plan for Drainage Improvements for the Parish. One aspect of the recommended improvements was to add additional drainage capacity of the existing drainage canals and also adding new drainage pump stations. PEEC obtained topographic surveying, current improvements in the area including drainage size and utility location of the drainage area. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. Drain inlets were spaced so that no ponding would occur in the street for a 10, 25, 50 and 100-year storm. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. PEEC obtained all wetland permits, conducted a site assessment and risk assessment, and provided alternative environmental and technical analysis as part of the project. Dr. Sade was responsible for environmental permitting and environmental impact assessment.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Wes Faulkner, P.E.
Project Assignment:
Electrical and Mechanical Engineer
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
17
Education: Degree(s)/Year/Specialization:
B.S., 1964, Electrical Engineering, Louisiana State University
Active registration: Year first registered/discipline:
1966, Electrical Engineering, Louisiana No. 10110
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Faulkner has over 35 years of experience designing lighting, power and control systems for commercial and industrial facilities. Past project facilities include water and wastewater treatment plants, pump stations, lift stations, hospitals, office buildings, and schools. Mr. Faulkner is also experienced in preparing contract documents, plans and specifications, cost estimates, and providing construction management. Mr. Faulkner will assume the role of Electrical Engineer for any future projects.</p> <p><u>Design of Grand Isle Port Commission Bulkhead System</u></p> <p>The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits. Mr. Faulkner was responsible for utility relocation, signage, lighting components, and construction inspection.</p> <p><u>Environmental Site Assessment for Plaquemines Parish</u></p> <p>PEEC developed a Master Plan for Drainage Improvements for the Parish. One aspect of the recommended improvements was to add additional drainage capacity of the existing drainage canals and also adding new drainage pump stations. PEEC obtained topographic surveying, current improvements in the area including drainage size and utility location of the drainage area. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. Drain inlets were spaced so that no ponding would occur in the street for a 10, 25, 50 and 100-year storm. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. PEEC obtained all wetland permits, conducted a site assessment and risk assessment, and provided alternative environmental and technical analysis as part of the project. Mr. Faulkner was responsible for technical analysis regarding utility relocation and drainage pump stations.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Al Almassi, P.E.
Project Assignment:
Civil Engineer/Hydraulics
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
27
Education: Degree(s)/Year/Specialization:
B.S., Civil Engineering, University of New Orleans, 1983
Active registration: Year first registered/discipline:
P.E. Texas
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Almassi is a Civil Engineer with over (30) years of experience in various aspects of the civil and environmental engineering fields. His experience includes: hydraulic analysis, environmental permitting, hydrologic study, topographic survey, creating plans and specifications, and construction administration. Mr. Almassi will assume the role of Specifications Writer on any awarded projects.</p> <p><u>Phase I Environmental Site Assessment for Slidell Hurricane Protection Levee Segment III</u> Professional Engineering and Environmental Consultants, Inc. (PEEC) was directed by the St. Tammany Parish Government to conduct a Phase I Environmental Site Assessment (ESA) in accordance with E1527-05 for a Slidell Levee Segment-III. The purpose of this report is to identify the recognized environmental conditions including CERCLA defined hazards and petroleum products, asbestos containing materials, lead based paint, lead in drinking water and wetlands. The project was located in St. Tammany Parish, north of Lake Pontchartrain, east of Interstate 10, and south of Interstate 12. This area is considered to be Slidell, but the project was not incorporated in the city limits. He was responsible for the topographic survey, environmental analysis and permitting, and preparation of plans and specifications for this project.</p> <p><u>Environmental Site Assessment for Plaquemines Parish</u> PEEC developed a Master Plan for Drainage Improvements for the Parish. One aspect of the recommended improvements was to add additional drainage capacity of the existing drainage canals and also adding new drainage pump stations. PEEC obtained topographic surveying, current improvements in the area including drainage size and utility location of the drainage area. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. Drain inlets were spaced so that no ponding would occur in the street for a 10, 25, 50 and 100-year storm. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. PEEC obtained all wetland permits, conducted a site assessment and risk assessment, and provided alternative environmental and technical analysis as part of the project. He was responsible for the topographic survey, environmental analysis and permitting, and preparation of plans and specifications for this project.</p>

TEC Professional Services Questionnaire

City of Westwego Brownfields Program

A former funeral parlor and contaminated industrial equipment storage site, the property is now a beautiful training facility for mentally and physically challenged adults. In partnership with the State of Louisiana, the City of Westwego, the Jefferson Parish Human Services Authority, a grassroots Westbank parent group and The Arc of Greater New Orleans, a café serving New Orleans cuisine was built. The Vintage Café, modeled after the White House Plantation built in 1870, is a flourishing neighborhood restaurant that provides work-training opportunities to twenty adults with a severe developmental disability. For many of the trainees, this is the first opportunity they have had to prove their ability to function as a contributing member of society. The facility serves as an anchor for much of the redevelopment and revitalization in the historic Salaville area and receives much support from the local community and surrounding areas. PEEC was responsible for application services, preliminary and final design, project plans and specifications, permit approvals, opinion of total project costs, bidding services, construction administration, topographic surveying, geotechnical engineering, and construction inspection. Mr. Almassi was responsible for the environmental study, survey, preparation of plans and specifications, and construction administration for this project.

City of Gretna Brownfields Partnership – Ward Lumber Yard

Professional Engineering and Environmental Consultants, Inc. (PEEC) was authorized by the City of Gretna Brownfields Partnership to create a plan for Phase I Environmental Site Assessment (ESA) as well as eventual cleanup of the abandoned Ward Lumber Company site located at 701 Madison Avenue in Gretna, on the corner of Madison Avenue and Perry Street. The site was used as a railroad repair yard, lumber yard, and storage space for Mardi Gras floats. One preliminary site visit of the property was conducted in February 2000 in preparation for an eventual Phase I ESA of the property. Mr. Almassi was responsible for the environmental study, survey, preparation of plans and specifications, and construction administration for this project.

Design of New Waterline to Grand Isle

The Town of Grand Isle is a community located in Jefferson Parish which is the State of Louisiana's only inhabited barrier island. A serious lack of potable water problem was associated with this town for generations which forced Grand Isle to purchase water from outside sources via barge shipments and more recently by way of a pipeline from neighboring Lafourche Parish at an extremely high rate. Professional Engineering and Environmental Consultants, Inc. (PEEC) focused its resources on designing 32 miles of 18-inch High Density Polyethylene waterline, a new 2 MGD pump station and two water storage tank and controls for the system. The line was installed using a directional drilling method at several locations in order to cross under several high pressure gas lines and other major oilfield pipelines. In total, the Town of Grand Isle is now able to receive over two million gallons of drinking water per day from Jefferson Parish at a fraction of the rate previously charged by other sources. Mr. Almassi was responsible for the preparation of plans and specifications, hydraulic calculations, design of the new system, construction inspection, and obtaining all necessary permits.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Jeff Meyers
Project Assignment:
Project Manager
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
17
Education: Degree(s)/Year/Specialization:
Associates in Drafting and Design, Southeastern Louisiana University, 1999
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Meyers has been a Project Manager for several Civil and Environmental engineering projects with PEEC. His responsibilities include managing the design team, coordination with the client, coordination and design of the project including data conversion, computer mapping, field investigation, and the historical review of the site; supervision of the construction phase, preparation of the specifications, cost analysis, and preparation of operation and maintenance manuals, and regulatory negotiations for obtaining the required permits. Mr. Meyers will fulfill the role of Project Manager on any awarded projects.</p> <p><u>Design of Grand Isle Port Commission Bulkhead System</u></p> <p>The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits. Mr. Meyers has been responsible for the topographical surveying, cost analysis, preparation of the drawings and specifications, coordination and design of the project including data conversion, computer mapping, field investigation, and coordination of this project with the client.</p> <p><u>Phase I Environmental Site Assessment for Slidell Hurricane Protection Levee Segment III</u></p> <p>Professional Engineering and Environmental Consultants, Inc. (PEEC) was directed by the St. Tammany Parish Government to conduct a Phase I Environmental Site Assessment (ESA) in accordance with E1527-05 for a Slidell Levee Segment-III. The purpose of this report is to identify the recognized environmental conditions including CERCLA defined hazards and petroleum products, asbestos containing materials, lead based paint, lead in drinking water and wetlands. The project was located in St. Tammany Parish, north of Lake Pontchartrain, east of Interstate 10, and south of Interstate 12.</p>

TEC Professional Services Questionnaire

This area is considered to be Slidell, but the project was not incorporated in the city limits. Mr. Meyers was responsible for the topographical surveying, cost analysis, coordination and design of the project including data conversion, computer mapping, and field investigation.

Environmental Site Assessment for Plaquemines Parish

PEEC developed a Master Plan for Drainage Improvements for the Parish. One aspect of the recommended improvements was to add additional drainage capacity of the existing drainage canals and also adding new drainage pump stations. PEEC obtained topographic surveying, current improvements in the area including drainage size and utility location of the drainage area. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. Drain inlets were spaced so that no ponding would occur in the street for a 10, 25, 50 and 100-year storm. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. PEEC obtained all wetland permits, conducted a site assessment and risk assessment, and provided alternative environmental and technical analysis as part of the project. Mr. Meyers was responsible for the topographical surveying, cost analysis, coordination and design of the project including data conversion, computer mapping, and field investigation.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Stephen Blaskey, P.L.S.
Project Assignment:
Lead Surveyor
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
12
Education: Degree(s)/Year/Specialization:
B.S./ 2004 Texas A&M University – Corpus Christi/Geographic Information Science with a Specialization in Geomatics
Active registration: Year first registered/discipline:
Louisiana P.L.S. License No. 5107 – Land Surveyor
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Blaskey has over four years of experience as Surveyor for PEEC, Inc. His responsibilities include surveying operations, boundary calculations, and use of GIS software. Mr. Blaskey will assume the role of Land Surveyor and provide all necessary surveying.</p> <p><u>Design of Grand Isle Port Commission Bulkhead System</u></p> <p>The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits. Mr. Blaskey's responsibilities included elevation surveys, boundary calculations, and identifying existing pipelines located at the project site.</p> <p><u>Phase I Environmental Site Assessment for Slidell Hurricane Protection Levee Segment III</u></p> <p>Professional Engineering and Environmental Consultants, Inc. (PEEC) was directed by the St. Tammany Parish Government to conduct a Phase I Environmental Site Assessment (ESA) in accordance with E1527-05 for a Slidell Levee Segment-III. The purpose of this report is to identify the recognized environmental conditions including CERCLA defined hazards and petroleum products, asbestos containing materials, lead based paint, lead in drinking water and wetlands. The project was located in St. Tammany Parish, north of Lake Pontchartrain, east of Interstate 10, and south of Interstate 12. This area is considered to be Slidell, but the project was not incorporated in the city limits. Mr. Blaskey was responsible for the elevation surveys and boundary calculations at the project site.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
James Blanchard
Project Assignment:
Project Administrator
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
11
Education: Degree(s)/Year/Specialization:
B.G.S./2001 University of New Orleans/Science
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>As Project Administrator, Mr. Blanchard is responsible for permits, project administration, site inspection, conformance to regulations, coordinating with the engineer(s) and clients, pre-bid and bid opening process, reconciling any issues with residents and parish officials, and historical data research. Mr. Blanchard will fulfill this role on environmental engineering projects.</p> <p><u>Design of Grand Isle Port Commission Bulkhead System</u></p> <p>The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits. Mr. Blanchard was responsible for preparation of project specifications, compliance with project specifications, coordinating contractor bid process, tallying bids, historical data review, applying for permits, and project administration.</p> <p><u>Phase I Environmental Site Assessment for Slidell Hurricane Protection Levee Segment III</u></p> <p>Professional Engineering and Environmental Consultants, Inc. (PEEC) was directed by the St. Tammany Parish Government to conduct a Phase I Environmental Site Assessment (ESA) in accordance with E1527-05 for a Slidell Levee Segment-III. The purpose of this report is to identify the recognized environmental conditions including CERCLA defined hazards and petroleum products, asbestos containing materials, lead based paint, lead in drinking water and wetlands. The project was located in St. Tammany Parish, north of Lake Pontchartrain, east of Interstate 10, and south of Interstate 12. This area is considered to be Slidell, but the project was not incorporated in the city limits. Mr. Blanchard was responsible for preparation of project specifications, historical data review, applying for permits, and project administration.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Derek Pinkley
Project Assignment:
Draftsman/AutoCADD Technician
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
11
Education: Degree(s)/Year/Specialization:
B.S. in Computer Science American International University
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>As a Draftsman, Mr. Pinkley is responsible for detail design of architectural, structural, mechanical, and electrical drawings using AutoCAD and Microsoft software programs. Mr. Pinkley will fulfill the role of Draftsman on any awarded projects.</p> <p><u>Design of Grand Isle Port Commission Bulkhead System</u></p> <p>The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits. Mr. Pinkley's responsibilities included creating AutoCAD drawings of the site plans and specifications for the waterline.</p> <p><u>Phase I Environmental Site Assessment for Slidell Hurricane Protection Levee Segment III</u></p> <p>Professional Engineering and Environmental Consultants, Inc. (PEEC) was directed by the St. Tammany Parish Government to conduct a Phase I Environmental Site Assessment (ESA) in accordance with E1527-05 for a Slidell Levee Segment-III. The purpose of this report is to identify the recognized environmental conditions including CERCLA defined hazards and petroleum products, asbestos containing materials, lead based paint, lead in drinking water and wetlands. The project was located in St. Tammany Parish, north of Lake Pontchartrain, east of Interstate 10, and south of Interstate 12. This area is considered to be Slidell, but the project was not incorporated in the city limits. Mr. Pinkley was responsible for the AutoCAD drawings and assisting the engineers with the permit applications and topographical surveying.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
John Domingue
Project Assignment:
Construction Inspector
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
9
Education: Degree(s)/Year/Specialization:
Southeastern Louisiana University Continuing Education
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>As a Construction Inspector, Mr. Domingue has been responsible for investigating the construction at all stages to identify problems, report potential problems and take timely action to solve problems, and ensure completion of the project in a timely manner. He will assume the role of Construction Inspector on any awarded projects.</p> <p><u>Design of Grand Isle Port Commission Bulkhead System</u></p> <p>The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits. Mr. Domingue's responsibilities include observing and investigating construction at all stages to identify problems, report potential problems and takes timely action to solve problems; and inspecting all work in progress to ensure construction is in compliance with plans and specifications.</p>

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1


Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Phase I Environmental Site Assessment for Slidell Hurricane Protection Levee Segment III</p> <p>St. Tammany Parish Government Department of Engineering P.O. Box 628 Covington, LA 70434 Bill Oiler</p>	Environmental Assessment and Technical Analysis	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2011	\$13,000,000	\$100,000

Professional Engineering and Environmental Consultants, Inc. (PEEC) was directed by the St. Tammany Parish Government to conduct a Phase I Environmental Site Assessment (ESA) in accordance with E1527-05 for a Slidell Levee Segment-III. The purpose of this report is to identify the recognized environmental conditions including CERCLA defined hazards and petroleum products, asbestos containing materials, lead based paint, lead in drinking water and wetlands. The project was located in St. Tammany Parish, north of Lake Pontchartrain, east of Interstate 10, and south of Interstate 12. This area is considered to be Slidell, but the project was not incorporated in the city limits. Our firm was fully responsible for this project.



SLIDELL LEVEE SEGMENT III

TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
New Waterline to Grand Isle Town of Grand Isle P.O. Box 200 Grand Isle, LA 70358 David Carmadelle (985) 787-3196	Engineering Design, Environmental Assessment, and Construction Management	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2000	\$18,000,000	\$18,000,000
<p>The Town of Grand Isle is a community located in Jefferson Parish which is the State of Louisiana's only inhabited barrier island. A serious lack of potable water problem was associated with this town for generations which forced Grand Isle to purchase water from outside sources via barge shipments and more recently by way of a pipeline from neighboring Lafourche Parish at an extremely high rate. Professional Engineering and Environmental Consultants, Inc. (PEEC) focused its resources on designing <u>32 miles of 18-inch High Density Polyethylene waterline, a new 2 MGD pump station and two water storage tank and controls for the system. The line was installed using a directional drilling method at several locations in order to cross under several high pressure gas lines and other major oilfield pipelines.</u> This included obtaining all wetland permits, conducting a site assessment and risk assessment, alternative environmental and technical analysis, and preparing a best management practice for O&M. In total, the Town of Grand Isle is now able to receive over two million gallons of drinking water per day from Jefferson Parish at a fraction of the rate previously charged by other sources. PEEC spent many man-hours securing the funding for this project from both Federal and State sources. PEEC inspectors were on the job site from beginning to end. The entire 32-mile pipeline was installed with no major incidents of note. PEEC's inspection staff's top priorities are safety, to ensure proper construction of the project and to protect the Client's interest and investment. The pipeline design, construction and management were nationally recognized in the <i>Public Works Journal</i> as well as other publications.</p> <div style="text-align: center; margin-top: 20px;">  </div>		



TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Design of Grand Isle Port Commission Bulkhead System Town of Grand Isle P.O. Box 200 Grand Isle, LA 70358 Wayne Keller (985) 787-2229	Engineering Design, Environmental Assessment, and Project Management	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	\$1,500,000	\$1,500,000

The boat slip facility was severely damaged due to Hurricane Katrina. PEEC was hired to repair the existing bulkhead system and pier for the Grand Isle Port Commission. This project is being funded through the LA Office of Community Development Disaster Recovery Program. PEEC, Inc. was fully responsible for this entire project including cost analysis, preliminary design, final design, permitting, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment, Wetland Determination, and obtained all required permits.




TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
City of Westwego Brownfields Sala Avenue Historical Museum City of Westwego 419 Avenue A Westwego, LA 70094 Mayor Shaddinger (504) 341-3424	Environmental Assessment and Technical Analysis	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2002	\$600,000	\$600,000
<p>PEEC, Inc. was fully responsible for this project including preliminary design, final design, preparation of plans and specifications, project management, project inspection and project close-out. Our firm provided the Environmental Assessment (Phase I and II), Wetland Determination, and obtained all required permits.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;">   </div>		

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
City of Gretna Brownfields Partnership – Ward Lumber Yard City of Gretna P.O. Box 404 Gretna, LA 70053	Environmental Assessment and Technical Analysis	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2000	\$1,100,000	\$1,100,000
<p>Professional Engineering and Environmental Consultants, Inc. (PEEC) was authorized by the City of Gretna Brownfields Partnership to create a plan for Phase I Environmental Site Assessment (ESA) as well as eventual cleanup of the abandoned Ward Lumber Company site located at 701 Madison Avenue in Gretna, on the corner of Madison Avenue and Perry Street. The site was used as a railroad repair yard, lumber yard, and storage space for Mardi Gras floats. One preliminary site visit of the property was conducted in February 2000 in preparation for an eventual Phase I ESA of the property.</p> <div style="text-align: center; margin-top: 20px;">  </div>		

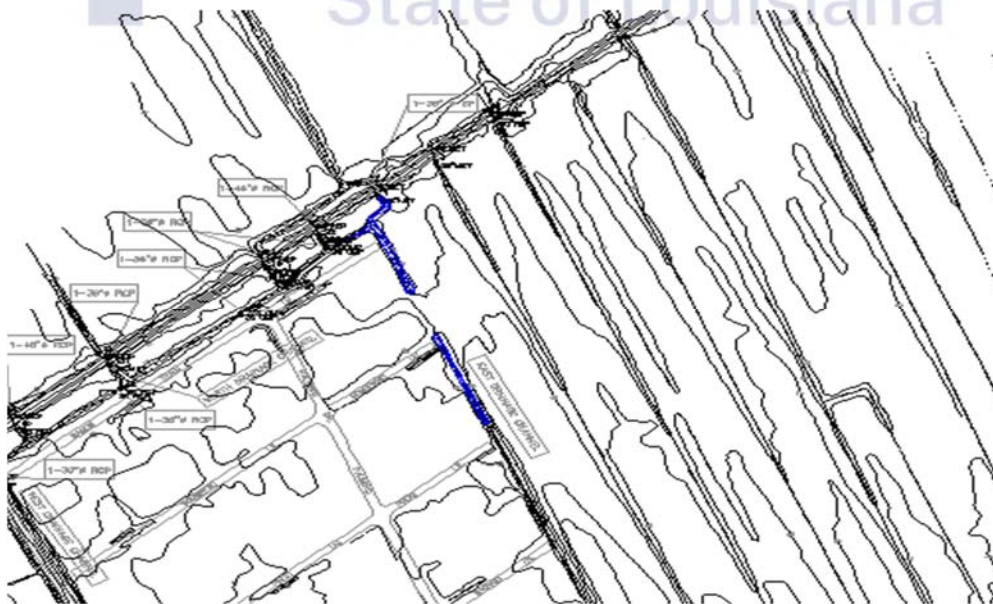
TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Westwego Waste Water Treatment Plant Improvements City of Westwego 419 Avenue A Westwego, LA 70094 Paul Bernard (504) 341-3424	Engineering Design, Environmental Assessment, and Project Management	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
1995	\$1,000,000	\$1,000,000
<p>The City of Westwego Waste Water Treatment Plant was built in 1965 and had operated since then without any major renovations. EPA and DEQ, after analyzing the effluent of the plant, imposed \$300,000 in fines upon Westwego for failure to meet discharge contaminant limits. PEEC studied the situation at the plant and utilizing its talented staff, was able to design renovations to the plant that allowed the City to meet EPA and DEQ regulations utilizing rehabilitated existing equipment as opposed to much more costly expansions to the plant. PEEC obtained all wetland permits, conducted a site assessment and risk assessment, alternative environmental and technical analysis, and prepared a best management practice for O&M. The rehabilitations to the waste water treatment plant included installation of a state of the art grit removal system, chemical feed system and improvement to the ABF tower. These modifications will allow the waste water treatment plant to operate within compliance for the next 25 years. The modifications were so successful that the DEQ fine was rescinded and the EPA fine was lowered to \$32,000.</p> <div style="text-align: center;">  </div>		

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Environmental Site Assessment for Plaquemines Parish</p> <p>Plaquemines Parish Government 102 Avenue G Belle Chasse, LA Ken Dugas (504) 934-6116</p>	<p>Environmental Assessment and Technical Analysis</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2006	\$300,000	\$300,000

PEEC developed a Master Plan for Drainage Improvements for the Parish. One aspect of the recommended improvements was to add additional drainage capacity of the existing drainage canals and also adding new drainage pump stations. PEEC obtained topographic surveying, current improvements in the area including drainage size and utility location of the drainage area. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. Drain inlets were spaced so that no ponding would occur in the street for a 10, 25, 50 and 100-year storm. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. PEEC obtained all wetland permits, conducted a site assessment and risk assessment, and provided alternative environmental and technical analysis as part of the project.



TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
City of Westwego Brownfields Program City of Westwego 419 Avenue A Westwego, LA 70094 Mayor Shaddinger (504) 341-3424	Engineering Design, Environmental Assessment, and Project Management	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2004	\$500,000	\$500,000

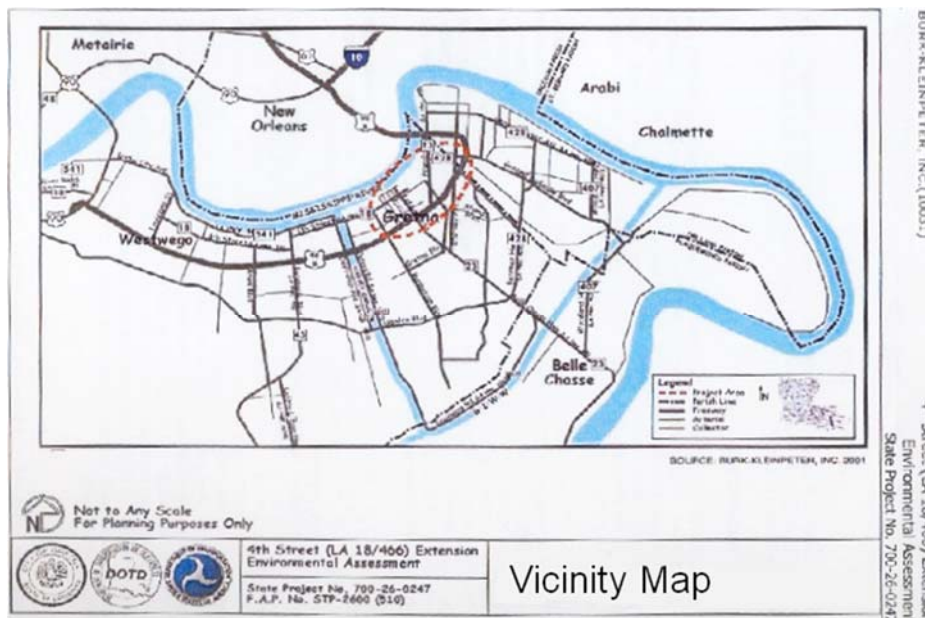
A former funeral parlor and contaminated industrial equipment storage site, the property is now a beautiful training facility for mentally and physically challenged adults. In partnership with the State of Louisiana, the City of Westwego, the Jefferson Parish Human Services Authority, a grassroots Westbank parent group and The Arc of Greater New Orleans, a café serving New Orleans cuisine was built. The Vintage Café, modeled after the White House Plantation built in 1870, is a flourishing neighborhood restaurant that provides work-training opportunities to twenty adults with a severe developmental disability. For many of the trainees, this is the first opportunity they have had to prove their ability to function as a contributing member of society. The facility serves as an anchor for much of the redevelopment and revitalization in the historic Salaville area and receives much support from the local community and surrounding areas. PEEC was responsible for application services, preliminary and final design, project plans and specifications, permit approvals, opinion of total project costs, bidding services, construction administration, topographic surveying, geotechnical engineering, and construction inspection.




TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Phase I Environmental Site Assessment For 4 th Street (LA18/466) Extension City of Gretna P.O. Box 404 Gretna, LA 70054	Environmental Assessment and Technical Analysis	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2004	\$2,500,000	\$2,500,000

The City of Gretna directed PEEC to conduct a Phase I Environmental Site Assessment (ESA) for the 4th Street (LA 18/466) Extension Project. This Phase I ESA was conducted in accordance with ASTM E 1527-00 with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and petroleum products. The location of the proposed corridor is in the City of Gretna, North of the Westbank Expressway (LA 90), between Fried Street and Burmaster Street along an abandoned Union Pacific Railroad Corridor. The goal of this project is to identify recognized environmental conditions. This includes identifying the presence or likely presence of any hazardous substances or petroleum products on any portion of the proposed project route. This report was not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment. PEEC obtained all previous records, data, information, and reports from the City of Gretna and Burk-Kleinpeter, and utilized the service of EDR for environmental research and historical data. PEEC conducted three (3) site visits during the months of November and December, 2004.





TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
City of Gretna Brownfields Program – Malta International Project City of Gretna P.O. Box 404 Gretna, LA 70053	Environmental Assessment and Technical Analysis	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2004	\$4,000,000	\$4,000,000
<p>The Malter International site in Gretna, LA operated from 1962 to 1989. The facility produced, packaged and shipped chemicals such as pesticides, herbicides and cleaning solvents. Spills of chemicals occurred at the site while the facility was in operation. The facility was abandoned in 1989, subsequent to which fire and vandalism have been reported at the site. The US EPA, on two occasions, hauled off chemical laden drums from the site and performed site cleanup. The COE Report indicated sample locations and sample concentrations. The soil sample near the south-east corner of the property (SB19) showed the maximum number of pollutants, some at concentrations significantly higher than the LDEQ RECAP criteria. A second sampling point to the south of the property showed a high concentration of Aldrin which was above the LDEQ RECAP criteria. The remainder of the facility was tested but did not indicate any alarming levels of contaminants. Per the LDEQ VCP Program guidelines, the contaminated site underwent comprehensive delineation and was acquired by Zatarain's, Inc. to utilize the property for additional parking and storage area.</p> <div style="text-align: center; margin-top: 20px;">  </div>		

TEC Professional Services Questionnaire

Work by PEEC, Inc. performed directly for or selected by Jefferson Parish

PROJECT NO. 1		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lafitte Library Conversion to the Police Station Project No. 576-26-0028 (331)</p> <p>Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123</p>	<p>Environmental Site Assessment Phase I, Engineering Design, Project Management, and Construction Inspection</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2010	\$550,000	\$550,000
<p>The existing Library at the Town of Lafitte was damaged during hurricane Katrina and the Parish decided to convert the existing library into a Police Station and construct a new library for the Town of Lafitte. PEEC obtained all necessary data and permits for this project prior to start of construction. PEEC was responsible for application services, preliminary and final design, project plans and specifications, permit approvals, opinion of total project costs, bidding services, construction administration, topographic surveying, geotechnical engineering, and construction inspection.</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;">   </div>		

TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Central Avenue Waterline Phase II Project Project No. 2014-001-WR Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering Design, Project Management, and Construction Inspection	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	\$2,000,000	\$2,000,000

Jefferson Parish Government contracted with PEEC to design and install a 12-inch waterline from Karen Avenue to Jefferson Highway along Central Avenue. PEEC obtained topographic surveying and locations of current improvements and utilities located in the area. Geotechnical analysis of the native soils to determine foundation and bedding requirements for the needed waterline was also required. Utilizing this information the design of a solution was underway. PEEC is responsible for preliminary and final design, project plans and specifications, permit approvals, opinion of total project costs, bidding services, construction administration, topographic surveying, geotechnical engineering, and construction inspection.



TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Mt. Kennedy Drainage Improvements Project No. 2008-035-DR Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering Design, Project Management, and Construction Inspection	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	\$4,000,000	\$4,000,000

Mt. Kennedy is a residential street located on the Westbank of Jefferson Parish, LA. The residents in the area have experienced street flooding during typical rain events and house and automobile flooding during significant rain events. Jefferson Parish Government contracted with PEEC to analyze the situation and determine the best possible solution to the problem. PEEC obtained topographic surveying and locations of current improvements in the area including drainage size and utility location of the drainage area. Geotechnical analysis of the native soils to determine foundation and bedding requirements for any needed drainage upgrades was also required. Utilizing this information the design of a solution was underway. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. Upon analysis of the existing conditions, collected data and modeling results, PEEC determined the best, most economical solution to the problem. A proposed drainage structure large enough to handle the calculated flow of a ten year storm with no ponding will be installed at the dead end area. All undersized existing catch basins and drain lines will be removed and replaced with new RCP pipes and manholes along the existing right of way and outfall into an existing ditch.



TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Johnson Street Drainage Improvements Project No. 2003-038-DR Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering Design, Project Management, and Construction Inspection	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2004	\$4,000,000	\$4,000,000

Johnson St. is a residential street located in Metairie, La. The end of the street dead-ends at the rear of a commercial facility. Since the development of the commercial facility, the residents in the area have experienced street flooding during typical rain events and house and automobile flooding during significant rain events. Jefferson Parish Government contracted with PEEC to analyze the situation and determine the best possible solution to the problem. PEEC obtained topographic surveying and locations of current improvements in the area including drainage size and utility location of the drainage area. Geotechnical analysis of the native soils to determine foundation and bedding requirements for any needed drainage upgrades was also required. Utilizing this information the design of a solution was underway. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. A portion of the proposed improvements had to be located within an existing railroad right of way. PEEC prepared all permit documentation in order to facilitate an entry agreement between Jefferson Parish Government and the Railroad company.

Phase I - Upon analysis of the existing conditions, collected data and modeling results, PEEC determined the best, most economical solution to the problem. A proposed drainage structure large enough to handle the calculated flow of a ten year storm with no ponding was installed at the dead end area. 1,250 feet of undersized existing catch basins and drain lines were removed and replaced with 42" RCP along the existing railroad right of way and outfall into an existing ditch. Phase II - Approximately 2,000 of 6x6 box culvert was placed into the existing outfall ditch to enhance flow and drainage of the entire drainage basin.



TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
6 th Street Drainage Improvements Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering Design, Project Management, and Construction Inspection	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2008	\$300,000	\$300,000

6th St. is a residential street located in Marrero, La. The area have experienced street flooding during typical rain events and house and automobile flooding during significant rain events. Jefferson Parish Government contracted with PEEC to analyze the situation and determine the best possible solution to the problem. PEEC obtained topographic surveying and locations of current improvements in the area including drainage size and utility location of the drainage area. Geotechnical analysis of the native soils to determine foundation and bedding requirements for any needed drainage upgrades was also required. PEEC was responsible for application services, preliminary and final design, project plans and specifications, permit approvals, opinion of total project costs, bidding services, construction administration, topographic surveying, geotechnical engineering, and construction inspection.



TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.		
Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. NONE		
2.		
3.		
4.		
N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.		
<ol style="list-style-type: none"> 1. Minimum Personnel Requirement: PEEC, Inc. has been providing the most advanced technological solutions for water treatment process to its clients through its well qualified engineers and has performed the projects very efficiently and within budget. As the attached project list attests, PEEC has designed and managed numerous projects of similar size and type. PEEC has been involved as part of several design teams providing its expertise in the design of water treatment and distribution system. 2. Minimum Equipment Requirement: PEEC, Inc.'s equipment inventory includes latest state-of-the-art equipment. The firm also possesses all the necessary computing, surveying, and computer software to process field data to conduct computer modeling and prepare design reports. PEEC has adequately trained personnel with extensive experience in the operation and field maintenance of all equipment. 3. Professional Qualifications: PEEC, Inc. is staffed with the right mix of engineers, technicians, administrators, and field personnel to successfully complete all types engineering projects. All the engineers listed are Louisiana certified registered engineers with extensive experience in their respective fields. The academic credentials of personnel range from B.S. to Ph.D. in civil, mechanical, electrical, structural, environmental engineering, land surveying, and in biological and geological sciences. Selected personnel also possess certification for underground storage tank (UST) closure, hazardous waste supervision, and as hazardous material technician. The CAD design department of PEEC, Inc. is well staffed with personnel with extensive experience in complex projects. 4. Capacity for Timely Completion of Projects: The current work load of PEEC, Inc. is at the average level it has been for the past 3 years. Accordingly, with our track record of timely completion of projects, we feel that any proposed project will not pose any undue burden on the firm's resources. PEEC has completed all of its previous projects in a timely manner as directed by contract agreements. 		

TEC Professional Services Questionnaire

5. Knowledge of Project Area: PEEC, Inc. is located in Westwego, which is on the West Bank of the Mississippi River, and very close to the project area. The firm has been involved in many projects in the Greater New Orleans Area in the past and is intimately familiar with the project area. All of PEEC, Inc.'s staff also lives in the immediate vicinity of the office location, and are as such familiar with the project area. Past engineering projects in the area have helped PEEC in building up an extensive inventory of background technical information on relevant characteristics of the area, which will be invaluable in preparation for the project design tasks.
6. Past Performance: PEEC, Inc. has successfully completed engineering design, construction management, and surveying services for clients such as Jefferson Parish, Town of Grand Isle, St. Tammany Parish, City of Westwego, Grand Isle Independent Levee District, West Jefferson Levee District, Louisiana Department of Natural Resources, City of Morgan City, Texas Parks and Wildlife, Plaquemines Parish, St. Bernard Parish, St. Charles Parish, the Town of Zwolle and numerous private clients in the past. The firm has performed all assigned tasks on or before time and within the allotted budget. PEEC, Inc. will provide further information and references upon request. PEEC has not been involved in any litigation with Jefferson Parish or any present or past clients.
7. Quality Control Plan: Mo Saleh, P.E. and Larry Vicari are the Quality Control Managers for all projects. Their responsibilities in this position include manpower scheduling, budgeting and technical oversight. Background research and engineering design performed by project engineers are periodically checked by the QC Manager. Quality control also includes verification of sample analysis results with expected value. All drafting output is checked by the QC manager before submittal. Similarly, all surveying reports are checked, sealed and signed by the registered land surveyor prior to submittal. The detailed Quality Control Plan will be furnished upon request.
8. STATEMENT OF MAXIMUM FEE: PEEC's rates are established upon contract is awarded or per project but typically do not exceed 15% of the project's construction cost. PEEC will negotiate specific fees on a project-by-project basis with its clients.

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature: _____ **Print Name:** Mo Saleh, M.S., P.E.

Title: Principal/Sr. Project Engineer **Date:** January 6, 2023



PROFESSIONAL ENGINEERING AND ENVIRONMENTAL CONSULTANTS, INC.

Engineers | Planners | Environmental Consultants



SERVICES

Since 1993, PEEC has provided a full range of professional engineering services to clients throughout the Gulf Coast region. Our technical team provides solutions to diverse engineering challenges, from civil and environmental engineering, to coastal restoration initiatives, to construction management. Our approach allows our clients to benefit from the latest technology, innovative solutions, and cost effective ideas. PEEC integrates the appropriate resources and technologies for each client, every time.

CUSTOMIZING PROJECTS TO FIT THE CLIENT'S NEEDS

Our team of experts performs in-depth feasibility studies that consider all aspects of the project. During this fact-finding phase, our team of experts analyze how the project will affect the environment and community stakeholders. This comprehensive review allows us to present options that truly match our clients' needs.

FINDING THE FUNDS TO MAKE PROJECTS HAPPEN

When necessary, our staff identifies state and federal funding sources and helps the client secure all needed grants and loans. This service has enabled many of our clients' projects to move from concept to reality.

MANAGING CONSTRUCTION TO ENSURE SUCCESS

Once our design has been completed and funding has been obtained, we monitor the construction process to make sure that the contractor implements the project in accordance with all approved plans. A pre-bid conference and monthly construction meetings with the contractor are all standard features of PEEC's construction management service. In this way, our staff keeps project construction on schedule and within budget.

MAXIMIZING RESOURCES THROUGH PROGRAM MANAGEMENT

In addition to construction of one-time projects, PEEC's team also takes a comprehensive look at client infrastructure and offers long-term strategies for making these systems work more efficiently. Our staff makes recommendations about revenue streams, links with economic development, options for improvement in energy efficiency, land use planning, and system operation and maintenance. For example, our assessment of the City of Westwego's sewerage system involved examination of fees, insurance rates, licensing needs, and employee management structure as well as technical recommendations for improving the system's effectiveness.

Civil Engineering

PEEC has a proven track record of providing the infrastructure that Gulf Coast communities need. Our diverse and experienced staff is skilled in civil, electrical, mechanical, and construction management, enabling us to direct projects from inception to completion.

Clients

- | | |
|------------------------------|----------------------|
| ▣ St. Tammany Parish | ▣ City of Westwego |
| ▣ Grand Isle Levee Board | ▣ Town of Grand Isle |
| ▣ Grand Isle Port Commission | ▣ Town of Zwolle |
| ▣ Plaquemines Parish | ▣ Jefferson Parish |
| ▣ West Jefferson Levee Board | ▣ St. Charles Parish |

Structural

Building strong, building smart—these are watchwords for new construction in the hurricane-prone Gulf Coast. PEEC's approach to structural projects ensures that the finished product exceeds the client's expectations—not just at the ribbon cutting but for many storm seasons to come.

Clients

- | | |
|---------------------------------|----------------------|
| ▣ City of Westwego | ▣ Town of Zwolle |
| ▣ Jefferson Parish | ▣ Town of Grand Isle |
| ▣ Jefferson Parish School Board | ▣ Plaquemines Parish |
| ▣ St. Tammany Parish | |



Drainage Pump Station – Belle Chasse, Louisiana

LONG-TERM PLANNING YIELDS RESULTS

In Belle Chasse, PEEC developed a master drainage plan using hydraulic modeling and aerial photography to analyze the community's needs. Our plan presented solutions for reducing flooding and preventing property damage. Once the plan was approved, PEEC designed and constructed several projects, including improvements to a major canal that drained the majority of the lower Belle Chasse drainage basin. Our design for slope paving stopped recurring flooding and protected nearby homes from subsidence caused by changes in the water table.

PROBLEM SOLVING IMPROVES PARISH PUMPING STATION

PEEC's upgrade of the drainage pumps in Plaquemines Parish required a fraction of the budget that other firms proposed. By constructing a steel frame inside the pumping station, among other methods we were able not only to preserve the original building but keep the pumps in operation while a new diesel engine was installed. The frame was left in place so that the parish can use the same cost-effective system whenever the station's engines need to be replaced.

Civil Engineering Services

- ▣ Drainage System
- ▣ Drainage System Design
- ▣ Stormwater Analysis
- ▣ Hydraulic Modeling
- ▣ Pump Station Design
- ▣ Roadway Design
- ▣ Levee System Design
- ▣ Site Development
- ▣ Local, State, and Federal Funding Assistance
- ▣ Construction Management



Parish Government Facility – St. Tammany Parish, Louisiana

PRIZE-WINNING DESIGN GIVES MAXIMUM FLEXIBILITY TO CLIENT

Our design and construction of the St. Tammany Parish Government facility won the 1999 Award for Excellence from Associated Builders and Contractors, Inc. Our steel frame design provided an attractive, versatile space that allows the parish to simultaneously use the building as a satellite center for a regional university, a library, and a medical facility.

HISTORICAL PROPERTY RETURNED TO COMMERCE

Our restoration of a former corner store into the Westwego Historical Museum converted a blighted property into the centerpiece of a new tourist district. PEEC completely restored the turn-of-the-century general store, furnished a period upstairs living quarters, and created a main exhibit area. Since opening its doors in 2000, the museum has welcomed thousands of visitors from around the world.

Structural Services

- ▣ Bridges—Wooden, Concrete, Steel, and Precast—Design and Construction Management
- ▣ Commercial Facility Design and Construction Management
- ▣ Industrial Facility Design and Construction Management
- ▣ Governmental Facilities and Complex Design and Construction Management and Repair

Environmental

We bring our expertise to bear on all of the Gulf Coast's most difficult environmental remediation and permitting challenges. Long-standing relationships with regulators allow us to expedite paperwork and pinpoint optimal grant sources, allowing our clients to focus less on red tape and more on improving quality of life for their customers and constituents.



Sludge Volume Reduction – City of Westwego

Environmental Services

- 404 Permit Acquisition
- Wetland Delineation Determination
- Environmental Impact Statement
- Environmental Impact Analysis
- Air Quality Permit
- MWPP
- MS4 Permit Acquisition
- NPDES/LPDES Acquisition
- Needs and Alternative Analysis
- Phase I and II Environmental Site Assessment
- Brownfield Assessment and Remediation

Clients

- Citrus Land Company
- City of Westwego
- City of Gretna
- CLL Limited Partnership, Ltd.
- Daybrook Fisheries
- Dixie Machine Welding and Metal Works, Inc.
- Grand Isle Port Commission
- St. Tammany Parish

BROWNFIELDS REDEVELOPMENT EXPANDS LOCAL ECONOMIES

PEEC secured \$1.5 million in total EPA Brownfields Funds for the Cities of Gretna and Westwego, Louisiana. Our staff followed up this fundraising success with action on the ground, converting formerly contaminated and abandoned properties into productive sites that are now used for a variety of industrial, recreational, and government uses. The former Malter Chemical site is now slated to be the site of an expanded McCormick Foods facility.

ASBESTOS REMOVAL ALLOWS EXTENSION OF VITAL ROADWAY

PEEC directed the removal of asbestos along a key traffic corridor in Gretna, Louisiana. Until our remediation was complete, a state financed extension of this corridor could not be completed.

ENVIRONMENTAL ASSESSMENT AND CLEANUP CONVERT EYESORE INTO VIABLE PROPERTY

PEEC worked with the City of Westwego and citizens to clean up a long-standing hazardous waste site. Now that underground storage tanks, illegal dumping spills, and other contaminated materials have been removed, the city is planning to use the property for the site of the new City Hall.



Wetland Creation Project – Galveston, Texas

BENEFICIAL USE OF DREDGED MATERIAL PROTECTS SENSITIVE TIDAL ECOSYSTEM

PEEC designed and constructed a 230-acre marsh creation project in Galveston Bay. Our team of experts created 47 half-acre mounds of dredged material planted with vegetation and protected the mounds with breakwaters made of geotubes. Galveston Bay experiences high wave action every day, and in 2008 Hurricane Gustav sent a tidal surge through the area. Our project remained intact despite the storm, while adjacent, unprotected marsh areas were destroyed.

TERRACING PROJECT CREATES NEW MARSH

An open water area just south of Port Arthur, Texas, Bessie Heights was once the site of healthy wetlands. PEEC restored 100 acres of marsh in Bessie Heights using dredged material arranged in terraces. The project was built in 2002 and remains structurally sound, despite the wave action created by Hurricanes Katrina, Rita, Gustav, and Ike. We expect that the project will eventually build more than 200 acres of wetlands.

BREAKWATER SYSTEM PROTECTS COAST WHILE ALLOWING NATURAL ECOSYSTEM FUNCTION

PEEC designed a four mile long breakwater system for Grand Isle with a special overlapping design that allows tidal fluctuations to pass through. At the same time, the breakwaters protect the island from storm surge and help reduce erosion. The project was built in 1998 and is functioning as designed despite numerous hits from severe hurricanes.

Coastal

With wetlands being lost every day and hurricanes arriving in force, the Gulf Coast is ground zero for coastal restoration. PEEC has been at the forefront of the movement to preserve the region's wetlands, and we have successfully implemented unique solutions in a variety of storm-prone habitats.

Coastal Services

- ▣ Marsh Creation
- ▣ Marsh Enhancement
- ▣ Marsh Protection
- ▣ Barrier Island Protection
- ▣ Levee System Design and Construction
- ▣ Levee System Upgrade and Repair
- ▣ Breakwater System Design and Construction
- ▣ Marsh Management

Clients

- ▣ Grand Isle Levee District
- ▣ Louisiana Department of Natural Resources
- ▣ Plaquemines Parish Government
- ▣ Texas Parks and Wildlife Department
- ▣ Town of Grand Isle



Breakwater System – Town of Grand Isle, Louisiana

Water

Sending water where it needs to go—PEEC has pioneered several techniques, now in use throughout the region, to make sure our clients have the water resources when and where they need them.

Water Services

- Hydrogeology/Groundwater Modeling
- Water Well Design
- Water Intake Structure Design, Construction, and Repair
- Water Treatment Services
- Water Distribution Systems
- Lake and Reservoir Water Quality Management
- Storm Water Permitting and Compliance
- Water Resources Management/Water Rights Strategies
- Water Supply Planning
- Watershed Management/Source Protection

Clients

- | | |
|----------------------|----------------------|
| ■ City of Westwego | ■ Town of Zwolle |
| ■ Jefferson Parish | ■ St. Charles Parish |
| ■ Town of Grand Isle | ■ Plaquemines Parish |



New Water Line – Town of Grand Isle, Louisiana



New Water Line – Town of Grand Isle, Louisiana

NEW WATER LINE BRINGS CLEAN WATER, ECONOMIC GROWTH TO TOWN

Grand Isle, Louisiana's only inhabited island, is a community of 1500 people that had no direct source of potable water. Residents were forced to purchase water, at high rates. A lack of potable water also made it difficult to accommodate the many tourists who visited the island. In 1999, PEEC installed a 32-mile water line that piped in Mississippi River water to Grand Isle, using an innovative design that maximized the line's durability. Now the town's residents receive up to two million gallons of water a day at a fraction of the rate charged by previous sources. Since the line was installed, eco-tourism in Grand Isle has doubled.

STREAMLINED SOLUTION PROVIDES MODEL FOR REGION

Grand Isle's water distribution system was at the breaking point when PEEC was hired to bring the system back up to full strength. Along with other measures, we repaired the system's main pipe, whose diameter had shrunk to only six inches due to build up in the line. We used a specialized cleaning device normally used for pipelines to clean out the pipe. Our method effectively doubled the pipe's capacity and is now used by municipalities throughout the area to keep water systems functioning at optimal levels.



Wastewater Treatment Plant – Zwolle, Louisiana

MICROBIAL ROCK PLANT FILTER PROVIDES CLEAN WATER AT LOW COST TO PARISH

A wastewater treatment plant in St. Tammany Parish was not meeting EPA effluent limits. Rather than constructing a costly new plant, PEEC used a design that employed crushed stone and rock already available within the parish. The four-acre treatment facility was designed to handle 1.5 million gallons of wastewater per day and provided an effluent quality in full compliance with all state and federal regulations.

SUSTAINABLE MEASURES REDUCE POLLUTANTS AND REDUCE PROJECT BUDGET

The town of Zwolle needed to improve the water quality of a 14.5-acre oxidation pond. PEEC designed a system using plants, which removed nitrogen and added oxygen to the wastewater, thereby cleaning the pond at low cost, with minimal disruption to the neighboring environment.

MICROBIAL APPLICATION PRODUCES WIN-WIN SOLUTION

The city of Westwego had a wastewater facility that was under functioning due to high sludge volume. PEEC reduced this volume by 50% using an application of specialized microorganisms. In a second phase, we used the microbial detritus this process created and used it as beneficial material for nearby earthen levee tops. The microbial sludge acted as fertilizer, spurring massive vegetation growth, which in turn reduced erosion on the levee and improved the city's storm protection system.

Wastewater

Wastewater challenges have provided PEEC with opportunities to use innovative and green technologies that not only produce clean effluent, they improve the surrounding environment—all while achieving significant cost savings for our clients.

Sewer Services

- ▣ Combined Sewer Overflow
- ▣ Design and Rehabilitation of Collection Systems
- ▣ Design and Rehabilitation of Treatment Systems
- ▣ Operability Design Reviews
- ▣ Operations Services
- ▣ Start-up Assistance
- ▣ Inflow/Infiltration Study

Clients

- | | |
|----------------------|----------------------|
| ▣ City of Westwego | ▣ Town of Sarepta |
| ▣ St. Tammany Parish | ▣ Jefferson Parish |
| ▣ Town of Zwolle | ▣ Plaquemines Parish |
| ▣ U.S. Steel | |



Wastewater Treatment Plant – City of Westwego, Louisiana

PEEC, INC.

CIVIL

- Drainage System
- Drainage System Design
- Stormwater Analysis
- Hydraulic Modeling
- Pump Station Design
- Roadway Design
- Levee System Design
- Site Development
- Local, State, and Federal Funding Assistance
- Construction Management

STRUCTURAL

- Bridges—Wooden, Concrete, Steel, and Precast—Design and Construction Management
- Commercial Facility Design and Construction Management
- Industrial Facility Design and Construction Management
- Governmental Facilities and Complex Design and Construction Management

ENVIRONMENTAL

- 404 Permit Acquisition
- Wetland Delineation Determination
- Environmental Impact Statement
- Environmental Impact Analysis
- Air Quality Permit
- MWPP
- MS4 Permit Acquisition
- NPDES/LPDES Acquisition
- Needs and Alternative Analysis
- Phase I and II Environmental Site Assessment
- Brownfield Assessment and Remediation

COASTAL

- Marsh Creation
- Marsh Enhancement
- Marsh Protection
- Barrier Island Protection
- Levee System Design and Construction
- Levee System Upgrade and Repair
- Breakwater System Design and Construction
- Marsh Management

WATER

- Hydrogeology/ Groundwater Modeling
- Water Well Design
- Water Intake Structure Design, Construction, and Repair
- Water Treatment Services
- Water Distribution Systems
- Lake and Reservoir Water Quality Management
- Storm Water Permitting and Compliance
- Water Resources Management/Water Rights Strategies
- Water Supply Planning
- Watershed Management/ Source Protection

WASTEWATER

- Combined Sewer Overflow
- Design and Rehabilitation of Collection Systems
- Design and Rehabilitation of Treatment Systems
- Operability Design Reviews
- Operations Services
- Start-up Assistance
- Inflow/Infiltration Study



PROFESSIONAL
ENGINEERING AND
ENVIRONMENTAL
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