

STATEMENT OF QUALIFICATIONS
FOR THE SUPPLEMENTAL LIST
TO PROVIDE ROUTINE ENGINEERING SERVICES
FOR SEWER PROJECTS IN JEFFERSON PARISH
RESOLUTION NO. 136766



JANUARY 20, 2021

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 20, 2021

Jefferson Parish Purchasing Department
C/O Ms. Sidney Duffy, Buyer II
Joseph S. Yenni Building
1221 Elmwood Park, Suite 404
Jefferson, LA 70123

**RE: SUPPLEMENTAL LIST TO PROVIDE
ROUTINE ENGINEERING SERVICES FOR
SEWER PROJECTS IN JEFFERSON PARISH
(RESOLUTION NO. 136766)**

Dear Ms. Duffy,

It is our pleasure to submit this response to Jefferson Parish Council's Request for Qualifications for Routine Engineering Services for the above-mentioned contracts. PEEC, Inc. is a Civil and Environmental Engineering firm providing vast experience with the design of sewer improvement systems, including design and rehabilitation of waste water treatment facilities, lift stations, drying beds, and sewer ponds. Along with this, our familiarity with Jefferson Parish and the proximity of our office makes PEEC a prime candidate to provide the engineering and related services for any awarded projects.

PEEC is a consulting engineering firm capable of providing engineering services for Capital Improvements, CDBG, FEMA, GOHSEP, and other State and Federal funded projects. PEEC has been licensed in the State of Louisiana since 1993 and we are proud of the fact that our firm has not had any record of substandard work nor engaged in any unethical practices in that time.

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, 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 any future Sewer improvement projects. If you have any questions regarding this matter, please contact our office at (504) 347-1900.

Sincerely,

A handwritten signature in blue ink that reads "Mo Saleh".

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 in Louisiana and Texas. PEEC offers highly qualified personnel, state-of-the-art equipment and the latest computer systems and software to our clients. Our office is located in the City of Westwego in Jefferson Parish. Our vast experience with wastewater system design, planning, construction management, and project administration makes PEEC a highly qualified firm to provide routine engineering services for Sewer projects.

PEEC offers its clients a wide array of professional civil, environmental, and structural engineering services coupled with exceptional knowledge and experience regarding design of sewer system improvements. PEEC clients enjoy our professionalism and team work that lead to successful completion of projects from start to finish. Our technical ideas and innovative approach to problem solving has proven to be economically beneficial to its clients.

PEEC is very knowledgeable and proficient with FEMA, Capital Improvements, CDBG, and GOHSEP program administration and management. Our firm has all the necessary personnel with the appropriate expertise, qualifications, and certifications to successfully perform all aspects of this project for Jefferson Parish within budget, and in a timely manner.

Over the past 20 years, PEEC has developed an extensive inventory of background technical information on relevant characteristics which provide valuable information in preparation for sewer system improvement project tasks, objectives, and goals. We are intimately familiar with Jefferson Parish having designed and managed the construction of numerous projects including design and improvements to waste water treatment facilities, lift stations, drying beds, and sewer ponds. Our firm recognizes the need for timely completion of projects and has proved itself capable of doing so in the past.

Successful planning and completion of projects in locations such as Jefferson Parish, St. Charles Parish, St. Tammany Parish, St. Bernard Parish, St. Martin Parish, Lafourche Parish, Plaquemines Parish, Sabine Parish, and Galveston County in Texas have proven our ability to consistently provide state of the art solutions to complex problems facing parishes and municipalities.

For these reasons as well as the firm's experience and understanding the nature of the problems confronting southeast Louisiana, Professional Engineering and Environmental Consultants, Inc. is a valuable resource that is very capable and prepared to provide professional engineering and related services to Jefferson Parish for sewer system improvement projects.

**Jefferson Parish TEC
Professional Services Questionnaire**

And

Executed Affidavit

For

**Professional Engineering
and Environmental Consultants, Inc.**

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Supplemental List to Provide Routine Engineering Services for Sewer Projects in Jefferson Parish
Resolution No.136766

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

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

Mechanical, Electrical, Plumbing and Piping Design

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 all subcontractors must submit a fully completed copy of this questionnaire, 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.		
2.		
3.		

J. Please specify the total number of support personnel that may assist in the completion of this Project: (2)

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:

Senior Project Engineer; Civil Engineer

Name of Firm with which associated:

Professional Engineering and Environmental Consultants, Inc.

Years' experience with this Firm:

27

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 for design or rehabilitation on numerous drainage improvement systems including: pumping stations, major canals, subsurface drainage systems, and drainage basins with control structures, His responsibilities included: hydraulic modeling, hydraulic studies, field investigations, mechanical and structural design of pump stations, preparation of specifications, construction management, cost analysis, project coordination, preparation of operation and maintenance manuals, and regulatory negotiations for obtaining the required permits. Mr. Saleh will assume the role of Senior Project Engineer and oversee all aspects of these projects.

At Professional Engineering and Environmental Consultants, Inc., Mr. Saleh's engineering services include providing technical expertise and assistance to many local municipalities and parishes including: City of Westwego, City of 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.

TEC Professional Services Questionnaire

Mr. Saleh's experience with drainage projects include:

Installation of New Generator at the Westwego Wastewater Treatment Plant

Westwego, LA

During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Saleh was responsible for the structural design and construction administration which included: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant

Westwego, LA

The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Saleh was responsible for design and all aspects of construction management including: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

Design of Sewer Treatment Pond

Zwolle, LA

PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. He was responsible for construction administration which included: project design, topographical surveying, assisted in hydraulic modeling, cost analysis, and alternative analysis.

Improvements to Headworks Structure at the Westwego Wastewater Treatment Plant

Westwego, LA

The City of Westwego wastewater treatment plant was built in 1965 and had operated since then without any major renovations. DEQ, after analyzing the plant, imposed fines upon the City of Westwego for failure to meet discharge limits. PEEC studied the situation at the plant and was able to design the plant which allowed the City to meet DEQ regulations. The rehabilitations to the wastewater treatment plant included installation of a state of the art grit removal system at the headworks and improvement to the ABF tower. Mr. Saleh was responsible for design and all aspects of construction management including: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

Rehabilitation of (6) Pump Stations

Zwolle, LA

PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Saleh was responsible for construction administration which included: project design, approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

City of Westwego Waste Water Treatment Plant Effluent Force Main

Westwego, LA

The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Mr. Saleh was responsible for design and all aspects of construction management including: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

TEC Professional Services Questionnaire

Spruce Street Lift Station Rehabilitation

Jefferson Parish, LA

PEEC designed and managed the Spruce Street Lift Station Rehab. The project included enlargement of the sewer wet well, installation of three new submersible pumps and control panels. Due to the fact that the Spruce Street Lift Station is a high flow lift station with no existing alternate routing possibilities, PEEC paid special attention to project coordination and wastewater by-pass pumping. Mr. Saleh was responsible for construction management which included: applying for permits, coordinating pre-bid conference, tallying bids, and preparation of the drawings and specifications.

Rehabilitation of Ames Blvd. Lift Station

Jefferson Parish, LA

Jefferson Parish selected the team of URS as the prime contractor and PEEC as a Sub-Contractor to improve the sewer System of this area of the west bank in Jefferson Parish. This project included modifications to six existing lift stations, installation of 4.2 miles of sewer force main and installation of a major sewer lift station at Ames Blvd. PEEC recommended to the Parish to modify the existing lift station in lieu of installing a new station. Upon completion of the Ames Lift Station, the station was able to handle the maximum flow. Mr. Saleh was responsible for design and all aspects of construction management including: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

TEC Professional Services Questionnaire

Design and Install Catholic Street Sewer Lift Stations

Zwolle, LA

The Town of Zwolle is a rural community in northern Louisiana. PEEC focused its energy on securing state funding to design and manage the addition of five new sewer lift stations to the Zwolle waste water collection system. The Project included design and management of the installation of (5) new lift stations, installation of 1,400' of 8" force main and control systems for the new lift stations. The entire waste water collection system's operation was dramatically improved as a result of this project and numerous residents were able to connect to the central collection system for the first time. Mr. Guidry was responsible for construction supervision and monitoring, instrumentation, drafting, architectural design, and planning.

Rehabilitation of Ames Blvd. Lift Station

Jefferson Parish, LA

Jefferson Parish selected the team of URS as the prime contractor and PEEC as a Sub-Contractor to improve the sewer system of this area of the west bank in Jefferson Parish. This project included modifications to six existing lift stations, installation of 4.2 miles of sewer force main and installation of a major sewer lift station at Ames Blvd. PEEC recommended to the Parish to modify the existing lift station in lieu of installing a new station. Upon completion of the Ames Lift Station, the station was able to handle the maximum flow. Mr. Guidry 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 Engineer
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, 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 will assume the role of Civil Engineer for this project.</p> <p>Design of Sewer Treatment Pond Zwolle, LA PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. Mr. Caldwell was responsible for construction administration which included: project design, topographical surveying, assisted in hydraulic modeling, cost analysis, and alternative analysis.</p> <p>Rehabilitation of (6) Pump Stations Zwolle, LA PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Caldwell has been responsible for the cost analysis, project coordination, mechanical and structural design, and preparation of the specifications.</p>

TEC Professional Services Questionnaire

City of Westwego Waste Water Treatment Plant Effluent Force Main

Westwego, LA

The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Mr. Caldwell was responsible for performing computer analysis of water transmission and distribution system, environmental permitting, environmental impact assessment, and construction management.

Spruce Street Lift Station Rehabilitation

Jefferson Parish, LA

PEEC designed and managed the Spruce Street Lift Station Rehab. The project included enlargement of the sewer wet well, installation of three new submersible pumps and control panels. Due to the fact that the Spruce Street Lift Station is a high flow lift station with no existing alternate routing possibilities, PEEC paid special attention to project coordination and wastewater by-pass pumping. Mr. Caldwell was responsible for preparation of plans and specifications, project administration, and construction management.

Design and Install Catholic Street Sewer Lift Stations

Zwolle, LA

The Town of Zwolle is a rural community in northern Louisiana. PEEC focused its energy on securing state funding to design and manage the addition of five new sewer lift stations to the Zwolle waste water collection system. The Project included design and management of the installation of (5) new lift stations, installation of 1,400' of 8" force main and control systems for the new lift stations. The entire waste water collection system's operation was dramatically improved as a result of this project and numerous residents were able to connect to the central collection system for the first time. Mr. Caldwell was responsible for the cost analysis, project coordination, mechanical and structural design, and preparation of the specifications.

Rehabilitation of Ames Blvd. Lift Station

Jefferson Parish, LA

Jefferson Parish selected the team of URS as the prime contractor and PEEC as a Sub-Contractor to improve the sewer system of this area of the west bank in Jefferson Parish. This project included modifications to six existing lift stations, installation of 4.2 miles of sewer force main and installation of a major sewer lift station at Ames Blvd. PEEC recommended to the Parish to modify the existing lift station in lieu of installing a new station. Upon completion of the Ames Lift Station, the station was able to handle the maximum flow. Mr. Caldwell was responsible for construction management which included: applying for permits, coordinating pre-bid conference, tallying bids, and preparation of the drawings and specifications.

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:
15
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>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Dr. Sade was responsible for environmental permitting and environmental impact assessment.</p>

TEC Professional Services Questionnaire

Improvements to Headworks Structure at the Westwego Wastewater Treatment Plant

Westwego, LA

The City of Westwego wastewater treatment plant was built in 1965 and had operated since then without any major renovations. DEQ, after analyzing the plant, imposed fines upon the City of Westwego for failure to meet discharge limits. PEEC studied the situation at the plant and was able to design the plant which allowed the City to meet DEQ regulations. The rehabilitations to the wastewater treatment plant included installation of a state of the art grit removal system at the headworks and improvement to the ABF tower. Dr. Sade was responsible for environmental permitting and environmental impact assessment.

City of Westwego Waste Water Treatment Plant Effluent Force Main

Westwego, LA

The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Dr. Sade was responsible for environmental permitting and environmental impact assessment.

Rehabilitation of (6) Pump Stations

Zwolle, LA

PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. 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 Engineer
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
15
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 joined the team of Professional Engineering and Environmental Consultants, Inc. in 2005 as the Electrical and Mechanical Engineer and has been responsible for the Mechanical, Electrical, Piping & Plumbing design of several Jefferson Parish government and also Jefferson Parish School board projects. Mr. Faulkner will assume the role of Electrical Engineer for this project.</p> <p>Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Faulkner was responsible for electrical systems, electrical specifications, automatic transfer switches, diesel generator sets, and cost analysis.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Faulkner was responsible for electrical systems, electrical specifications, automatic transfer switches, diesel generator sets, and cost analysis.</p> <p>Rehabilitation of (6) Pump Stations Zwolle, LA PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Faulkner was responsible for electrical systems, electrical specifications, automatic transfer switches, diesel generator sets, and cost analysis.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Al Almassi
Project Assignment:
Civil Engineer
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
24
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 Civil Engineer for this project.</p> <p>Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Almassi was responsible for construction administration which included: the hydraulic calculations, review of shop drawings and contractor submittals, calculating quantities, and coordinating the final inspection.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Almassi was responsible for review of shop drawings and contractor submittals, calculating quantities, and coordinating the final inspection.</p> <p>Rehabilitation of (6) Pump Stations Zwolle, LA PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Almassi was responsible for construction administration which included: the hydraulic calculations, review of shop drawings and contractor submittals, calculating quantities, and coordinating the final inspection.</p>

TEC Professional Services Questionnaire

City of Westwego Waste Water Treatment Plant Effluent Force Main

Westwego, LA

The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. 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.

Design of Sewer Treatment Pond

Zwolle, LA

PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. 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.

Westwego Waste Water Treatment Facility Sludge Drying Bed and Digester Design

Westwego, LA

The City of Westwego wastewater treatment plant was improved by design and construction of a filter bed system and upgrading the digester to capture the gas and improve the overall quality of the sludge removed. These modifications improved the solid waste quality of the waste water treatment plant. 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:
15
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 the Project Manager and Designer for several Civil and Structural 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 assume the role of Project Manager for this project.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this 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.</p> <p>Improvements to Headworks Structure at the Westwego Wastewater Treatment Plant Westwego, LA The City of Westwego wastewater treatment plant was built in 1965 and had operated since then without any major renovations. DEQ, after analyzing the plant, imposed fines upon the City of Westwego for failure to meet discharge limits. PEEC studied the situation at the plant and was able to design the plant which allowed the City to meet DEQ regulations. The rehabilitations to the wastewater treatment plant included installation of a state of the art grit removal system at the headworks and improvement to the ABF tower. Mr. Meyers was responsible for the topographical surveying, cost analysis, coordination and design of the project including data conversion, computer mapping, and field investigation.</p> <p>Rehabilitation of (6) Pump Stations Zwolle, LA PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Meyers was responsible for the topographical surveying, cost analysis, coordination and design of the project including data conversion, computer mapping, and field investigation.</p>

TEC Professional Services Questionnaire

City of Westwego Waste Water Treatment Plant Effluent Force Main

Westwego, LA

The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. 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:
James Blanchard
Project Assignment:
Project Administrator
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
9
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 permitting; preparing front end and technical specifications; compliance with guidelines, specifications, and bidding documents; coordinating the contractor bid process; coordinating with the engineer(s) and clients; reconciling any issues with residents and parish officials; project administration; and historical data research. Mr. Blanchard will fulfill this role on this project.</p> <p>Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Blanchard was responsible for preparation of project specifications, applying for permits, tallying bids, and project administration.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. 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>Rehabilitation of (6) Pump Stations Zwolle, LA PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Blanchard was responsible for applying for permits, coordinating pre-bid conference, tallying bids, site inspection, historical data review, and project administration.</p>

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:
9
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 nine 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>City of Westwego Waste Water Treatment Plant Effluent Force Main Westwego, LA The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Mr. Blaskey's responsibilities included elevation surveys, boundary calculations, and identifying existing pipelines located at the project site.</p> <p>Westwego Waste Water Treatment Facility Sludge Drying Bed and Digester Design Westwego, LA The City of Westwego wastewater treatment plant was improved by design and construction of a filter bed system and upgrading the digester to capture the gas and improve the overall quality of the sludge removed. These modifications improved the solid waste quality of the waste water treatment plant. Mr. Blaskey's responsibilities included elevation surveys, boundary calculations, and identifying existing pipelines located at the project site.</p> <p>Design of Sewer Treatment Pond Zwolle, LA PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. Mr. Blaskey's responsibilities included elevation surveys, boundary calculations, and identifying existing pipelines located at the project site.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Derek Pinkley
Project Assignment:
Estimator
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
10
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 the Estimator, Mr. Pinkley is responsible for gathering information and requirements, reviewing preliminary plans, and updating plans and specifications using AutoCAD and Microsoft software programs. Mr. Pinkley will fulfill this role on this project.</p> <p>Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Pinkley was responsible for plans and specifications associated with this project, calculating quantities and estimates, and preparing all needed documentation for advertising the project and the bid phase.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Pinkley was responsible for plans and specifications associated with this project, calculating quantities and estimates, and preparing all needed documentation for advertising the project and the bid phase.</p> <p>Design of Sewer Treatment Pond Zwolle, LA PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. Mr. Pinkley was responsible for plans and specifications associated with this project, calculating quantities and estimates, and preparing all needed documentation for advertising the project and the bid phase.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Larry Vicari
Project Assignment:
Construction Inspector
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
8
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. Vicari has been responsible for investigating the construction work 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. Mr. Vicari will fulfill the role of Construction Inspector on this project.</p> <p>Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Vicari's responsibilities included 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 project plans and specifications.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Vicari's responsibilities included 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 project plans and specifications.</p> <p>Improvements to Headworks Structure at the Westwego Wastewater Treatment Plant Westwego, LA The City of Westwego wastewater treatment plant was built in 1965 and had operated since then without any major renovations. DEQ, after analyzing the plant, imposed fines upon the City of Westwego for failure to meet discharge limits. PEEC studied the situation at the plant and was able to design the plant which allowed the City to meet DEQ regulations. The rehabilitations to the wastewater treatment plant included installation of a state of the art grit removal system at the headworks and improvement to the ABF tower. Mr. Vicari's responsibilities included 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 project 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:	
Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$2,000,000	\$2,000,000

Project Description

The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. PEEC also obtained all the required approval related to the right of ways.



TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
City of Westwego Waste Water Treatment Plant Effluent Force Main Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2009	\$2,500,000	\$2,500,000

Project Description

City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. The actual installation period for the pipeline was approximately three months. PEEC has many years of experience obtaining regulatory permits of all kinds. PEEC spent many man-hours obtaining all the required permits and right of ways for this project.



TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Spruce Street Lift Station Rehabilitation Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger (504) 347-5745	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2003	\$1,142,000	\$1,142,000

Project Description

The City of Westwego is a community which was founded in 1870 on the west bank of the Mississippi River in the New Orleans metropolitan area. With its long history comes an old and dilapidated sewer collection system. PEEC has been the official City Engineer for Westwego since 1996. PEEC designed and managed the Spruce Street Lift Station Rehab. *The project included enlargement of the sewer wet well, installation of three new submersible pumps and control panels.*

Special Challenges

Due to the fact that the Spruce Street Lift Station is a high flow lift station with no existing alternate routine possibilities, PEEC paid special attention to project coordination and wastewater by-pass pumping.

Project Inspection

PEEC inspection team was on site full time to ensure that the project was installed to specification and that no interruption of service was experienced by the City's residents. No incidents of inconvenience were experienced.



TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Rehabilitation of Ames Blvd. Lift Station Jefferson Parish, LA Jefferson Parish Government Department of Public Works 1221 Elmwood Park Blvd. Harahan, LA 70123 (504) 736-6784	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
1998	\$4,000,000	\$600,000

Project Description

Jefferson Parish selected the team of URS as the prime contractor and PEEC as a Sub-Contractor to improve the sewer system of this area of the west bank in Jefferson Parish. *This project included modifications to six existing lift stations, installation of 4.2 miles of sewer force main and installation of a major sewer lift station at Ames Blvd.*

The total budgeted amount was \$4,000,000. The Parish was able to appropriate a total construction amount of \$1,200,000 which was utilized for improvements to Ames Pump Station. PEEC recommended to the Parish to modify the existing lift station in lieu of installing a new station. This method was able to save approximately \$500,000 for the Parish; therefore, the work was done for a total construction cost of \$700,000. PEEC completed the design of the entire project and the Parish constructed the project when funds were appropriated for the remaining portion of the project. Upon completion of the Ames Lift Station, the station was able to handle the maximum flow.



TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Rehabilitation of (6) Pump Stations Zwolle, LA Town of Zwolle 954 S. Main Street Zwolle, LA 71486 Mayor Lopez (318) 645-6141	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012	\$450,000	\$450,000

Project Description

The Town of Zwolle, a small rural Town in north Louisiana, was in severe need of rehabilitation of the existing lift stations in their waste water treatment plant collection system. PEEC analyzed the existing conditions and determined that 6 lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC turned the attention of its staff toward securing funds to make the rehabilitation of the lift stations a reality. PEEC was successful in acquiring funding for the Town of Zwolle. *The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations.* All stations operated at peak capacity after the rehab was complete. In addition to this, PEEC's efficient and expert management of the project allowed the project to be completed without the any cost increase to the system users.



TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Design and Install Catholic Street Sewer Lift Stations Zwolle, LA Town of Zwolle 954 S. Main Street Zwolle, LA 71486 Mayor Lopez (318) 645-6141	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2001	\$565,000	\$565,000

Project Description

The Town of Zwolle is a rural community in northern Louisiana. PEEC focused its energy on securing state funding to design and manage the addition of five new sewer lift stations to the Zwolle waste water collection system. ***The Project included design and management of the installation of (5) new lift stations, installation of 1,400' of 8" force main and control systems for the new lift stations.*** The entire waste water collection system's operation was dramatically improved as a result of this project and numerous residents were able to connect to the central collection system for the first time. PEEC inspection team kept a watchful eye on the installation of all of the Town's new lift stations and force main. Complete and thorough records and photographs of all stages of projects are a routine part of their operational procedures.



TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Design of Sewer Treatment Pond Zwolle, LA Town of Zwolle 954 S. Main Street Zwolle, LA 71486 Mayor Lopez (318) 645-6141	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$1,380,000	\$1,380,000

Project Description

The Town of Zwolle, a small rural Town in north Louisiana, had an oxidation pond which was their form waste water treatment. This pond could not meet DEQ effluent limits for discharge. The Town considered abandoning the pond and constructing a mechanical treatment facility which would have cost \$2.75 million and a high O&M cost. The cost of the facility would have tripled the user fee for the citizens of Zwolle. PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond.

The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. PEEC was able to design and manage this project with no increase in user fees to the citizens of Zwolle.



TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Improvements to Headworks Structure at the Westwego Wastewater Treatment Plant Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger (504) 347-5745	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$1,000,000	\$1,000,000

Project Description

The City of Westwego wastewater treatment plant was built in 1965 and had operated since then without any major renovations. DEQ, after analyzing the plant, imposed fines upon the City of Westwego for failure to meet discharge limits. PEEC studied the situation at the plant and was able to design the plant which allowed the City to meet DEQ regulations.

The rehabilitations to the wastewater treatment plant included installation of a state of the art grit removal system at the headworks and improvement to the ABF tower. These modifications will allow the wastewater treatment plant to operate within compliance.



TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger (504) 347-5745	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$500,000	\$500,000

Project Description

During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously.

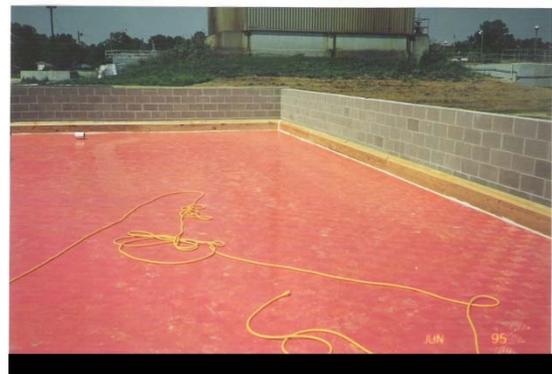


TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Westwego Waste Water Treatment Facility Sludge Drying Bed and Digester Design Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger (504) 347-5745	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$380,000	\$380,000

Project Description

The City of Westwego wastewater treatment plant was improved by design and construction of a filter bed system and upgrading the digester to capture the gas and improve the overall quality of the sludge removed. These modifications improved the solid waste quality of the waste water treatment plant.



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:	
Lafitte Library Conversion to the Police Station Project No. 576-26-0028 (331) Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering design of the entire project, cost analysis, permitting, and construction inspection.	
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>		
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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 No. 2014-001-WR Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering design of the entire project, cost analysis, permitting, 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 of the entire project, hydraulic modeling, cost analysis, permitting, 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.



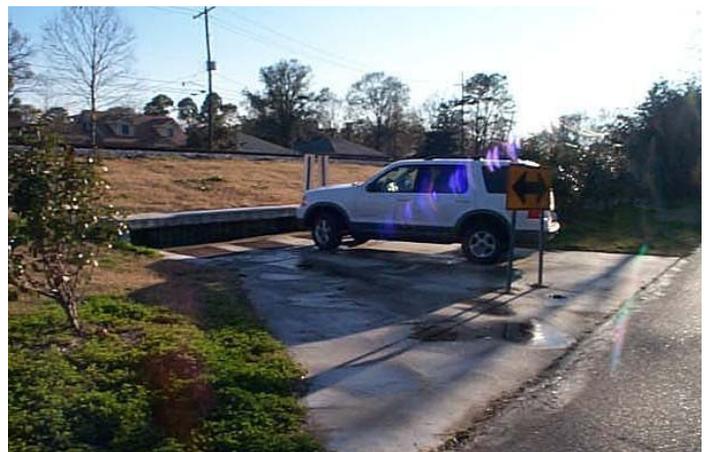
TEC Professional Services Questionnaire

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 of the entire project, hydraulic modeling, cost analysis, permitting, 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 Street 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 of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2008	\$300,000	\$300,000

6th Street is a residential street located in Marrero, La. The area has 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 wastewater treatment and distribution systems. 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 resides 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: PEEC has a Health, Safety, Security, and Environmental Policy (HSSE) in place in accordance with OSHA Standards and Regulations. Mo Saleh, M.S., P.E. (Principal) and Ron Guidry (President) 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 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.
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/Senior Project Engineer Date: January 20, 2021

Statement of Qualifications

AFFIDAVIT

STATE OF LOUISIANA

PARISH/COUNTY OF JEFFERSON

BEFORE ME, the undersigned authority, personally came and appeared: Mo Saleh, M.S., P.E. ,
(Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized
Principal of Professional Engineering and Environmental Consultants, Inc. (Entity),
the party who submitted a Statement of Qualifications (SOQ) to provide routine engineering
services for Sewer Projects in Jefferson Parish for a two-year period. (Resolution No. 136766)
(Briefly describe the services the SOQ will cover), to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A X Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

Solicitation of Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all elected officials of the Parish of Jefferson, whether still holding office at the time of the affidavit or not, where the elected official, individually, either by **telephone or by personal contact**, solicited a campaign contribution or other monetary consideration from the Entity, including the Entity's officers, directors and owners, and employees owning twenty-five percent (25%) or more of the Entity, during the two-year period immediately preceding the date the affidavit is signed. Further, to the extent known to the Affiant, the date of any such solicitation is included on the attached list.

Choice B X there are **NO** solicitations for campaign contributions which would require disclosure under Choice A of this section.

Affiant further said:

Subcontractor Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Affiant further said that attached is a listing of all subcontractors, excluding full time employees, who may assist in providing professional services for the aforementioned SOQ.

Choice B X There are **NO** subcontractors which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Mo Saleh

Signature of Affiant

Mo Saleh, M.S., P.E.
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 18th DAY OF January, 2021.

R. Cooper

Notary Public

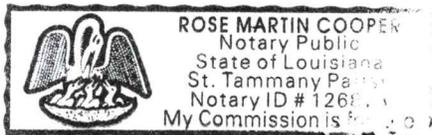
Rose M. Cooper

Printed Name of Notary

126873

Notary/Bar Roll Number

My commission expires With Death.



**POLITICAL CONTRIBUTIONS MADE TO JEFFERSON PARISH OFFICIALS
BY PROFESSIONAL ENGINEERING AND ENVIRONMENTAL CONSULTANTS, INC.
BETWEEN JULY 2019 AND PRESENT DAY**

Name of Councilman or Councilwoman	Contribution Amounts	Date Contributed
Councilman Byron Lee	\$1000.00	10-2019
Councilman Marion Edwards	\$1000.00	10-2019
Councilman Ricky Templet	\$1,000.00	7-29-2019
Councilwoman Jennifer Van Vrancken	\$1,000.00	10-9-2019
Councilman Deano Bonano	\$2,500.00	6-9-2020