

Oscar J. Boudreaux, Jr.

Civil & Environmental Engineer

EDUCATION

1976 Bachelor of Science in Civil Engineering
Louisiana State University

1975 Bachelor of Science (Engineering Science)
College of Life Sciences and Technology
Nicholls State University

**COLLEGE
ACHIEVEMENTS**

Dean's Award, 1975
College of Life Sciences & Technology
Nicholls State University

Faculty Award, 1975
Department of Engineering & Technology
Nicholls State University

Outstanding Society Member, 1975
Nicholls Engineering Society
Nicholls State University



MILITARY

US Navy 1968-1971
Two Tours Vietnam 1969, 1971
Service-Connected Disabled Veteran

REGISTRATION

Civil Engineer, State of Louisiana
Environmental Engineer, State of Louisiana
Civil Engineer, State of Mississippi

AFFILIATION

American Water Works Association (AWWA)
Member 1976 - Present

American Society of Testing Materials (ASTM)
Member 1987 - Present

Water Environmental Federation (WEF)
Member 1994 - Present

Louisiana Engineering Society (LES)
Member 1997 - Present

National Society for Professional Engineers (NSPE)
Member 1997 - Present

**PROFESSIONAL
EXPERIENCE**

From the beginning of his engineering career, Mr. Boudreaux has been responsible for the development of water and wastewater projects, served as lead designer, and as project engineer for the construction of numerous water and wastewater projects. His primary responsibility was to coordinate all engineering disciplines and provide technical designs for water and wastewater system. These design duties includes the development and application of the process design for each of his designs. Theses projects include the development of technical specification and over 3000 drawings for his designs. Mr. Boudreaux is considered the leading designer of extended aeration with the use of intra-channel clarifiers in the United States by virtue of the fact that he has successfully designed and placed into operation fifteen (15) facilities in the States of Texas, Louisiana, and Mississippi in the last several years. In addition to these facilities, Mr. Boudreaux offers consulting advice to other design professionals across the United States as needed. He has visited and offers recommendations on facilities having operational problems. During his employment, he has visited over 250 water and wastewater facilities across the US in expanding his knowledge of the industry. The following is a list of facilities that Mr. Boudreaux served as lead design engineer for water and wastewater treatment facilities:

City of Ville Platte, LA	City of Natchitoches, LA	City of Morgan City, LA
Town of Homer, LA	City of Winnfield, LA	Town of Simmesport, LA
Town of Addis, LA	City of San Juan, TX	Town of Elsa, TX
Town of Lutcher, LA	City of Donaldsonville, LA	Town of Port Barre
Diamondhead Water & Sewer District, MS		Town of Churchpoint, LA
St. Charles Parish Water & Wastewater, LA		St. John the Baptist Parish, LA
Sewer District No. 4, St. Tammany Parish, LA		Town of Amite
Sewer District No. 6, St. Tammany Parish, LA		Town of Gramercy
Sewer District No. 1, Lafourche Parish, LA		City of Biloxi, MS
City of Pineville, LA	City of Elsa, TX	

In past years, Mr. Boudreaux has secured for his client, an EPA research grant involving the treatment of shrimp process water. The grant research work was performed at a shrimp processing facility in Biloxi, Mississippi. This project explored methods used to eliminate harmful wastewater discharges to local estuaries and restrict the water consumption used in the process. Advance treatment of nitrogen and phosphorous limits was reviewed during this project.

In the industrial field, Mr. Boudreaux has designed and coordinated construction of facilities with various process wastewaters. His work includes the seafood processing industry, petrochemical industry, food and beverage industry, and grain storage industry, including beer and beverage process wastewater.

Mr. Boudreaux has served as an expert witness for wastewater treatment lawsuits on several occasions. His knowledge of wastewater treatment process and construction has won his client their claims in court cases based on his testimony.

As a service to his clients Mr. Boudreaux has taught water and wastewater treatment operations and maintenance classes to prepare the operators for their certification license. His expertise in this field offers the operators a unique understanding of water and wastewater treatment in addition to his insights on design. Mr. Boudreaux has also provided technical training in water and wastewater design to other consulting and industrial engineers.

In the water supply and distribution field, Mr. Boudreaux has designed over 65 miles of water distribution systems with PVC, cast iron, asbestos cement, and concrete pressure pipework. He has arranged for repairs and painting of elevated and ground storage tanks including a 3 MG stand pipe with several large booster pumps. In all of his water projects, he was in charge of preparing specification and bid documents, evaluating bids, approving shop drawings, and providing general supervision, as well performing the design.

Mr. Boudreaux is considered one of the top designers of wastewater pumping facilities. He has successfully designed numerous pumping facilities of all types for his clients. To compliment his designs, he teaches pump station classes on design and operations to sewer operators and consulting engineers.

Renovation of a three (3) MGD water treatment facility for the City of Opelousas and a 1.25 MGD water treatment facility for the Town of Church Point are credited to his design leadership on these projects.

In the wastewater field, Mr. Boudreaux has participated in Inflow/Infiltration Analysis and Sewer System Evaluation Survey for the City of Westwego, City of Winnfield, City of Morgan City and the City of Baton Rouge. The field work included the collection of dry and wet weather flow information, dye testing for monitoring inflow sources, and close circuit television of the system. Afterward, he performed the analysis of the system.

**POSITIONS
HELD**

1991 – Present	President Environmental Engineering Services, Inc. Baton Rouge, Louisiana	1980 – 1982	Project Engineer Simmons J. Barry & Associates Baton Rouge, Louisiana
1994 – 1996	Engineering Department Head Glenn G. Shaheen & Associates Gonzales, Louisiana	1979 – 1980	Chief Engineer Wiggins and Associates Baton Rouge, Louisiana
1985 – 1994	Project Engineer Beard Engineering, Inc. Baton Rouge, Louisiana	1976 – 1979	Department Head - Water & Gas Gulf South Engineers Houma, Louisiana
1982 – 1985	Project Engineer Owen and White, Inc. Baton Rouge, Louisiana	1975 – 1976	Part-Time Engineering Aid Wastewater Gulf South Engineers Houma, Louisiana