



Balance Consulting, Inc.
www.balanceconsultinginc.com

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ABOUT US

Balance Consulting, Inc. (BCI), established in 1996, is a privately owned company headquartered in Mandeville, Louisiana. We work worldwide providing professional consulting, technical expertise, lab development, property use planning, engineering, environmental sciences, and program and project management. BCI services projects of any size. We provide turn-key solutions from initial concept to project completion. Our focus is serving public, private and industrial sectors. We have unique experience with oil and gas, mining, and environmental services for monitoring and investigations.

We work closely with innovative technology companies. We often connect end users with solutions that come from outside their industry. We are proud of our strong relationships with multi-discipline consulting firms and laboratories worldwide. BCI is also often in the role of finding experts for challenging projects. Providing the right people is part of what we do every day.

BCI also provides support services that range from pre-construction design to infrastructure and drainage design on previously used or operating sites. We assist clients who outsource environmental permitting and management. Our design capabilities include most civil engineering applications and laboratory design (mobile and modular). BCI has broad experience such as environmental programs, drainage projects, water supply, coastal improvement projects and hazard mitigation work.



OFFICE LOCATION

2205 9th Street
 Mandeville, LA 70471
 (985) 727-4276
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PERSONNEL

- 3 Civil Engineers (PE)
- 1 Environmental Scientist
- 1 Biologist
- 2 Hydrogeologists
- 1 Bioengineer

SERVICES

- Phase I, II, and III
- Wetlands
- Expert Witness
- Specialty Mining Consulting
- Environmental Permitting
- Air Quality
- Water & Wastewater
- Geotechnical
- Groundwater
- Program Management
- Laboratory Design
- Training

WORK VOLUME

Nearly \$65 million dollars of work contracted and constructed in 18 years.

*LICENSES HELD

BCI Licenses

State of Louisiana Board of Private Investigator Examiners – Agency License 7717-072011-LA

State of LA Licensing Board for Contractors – Hazardous Waste Treatment or Removal – License 35672

All Professional Engineers and Professional Geologists carry their own licenses and work with our firm.



Environmental Services

Environmental services provided by BCI to clients such as banks, law firms and developers include due diligence for mergers and acquisitions through ASTM Phase I Evaluations and property risk determinations. BCI has great success with oversight of effluent and stormwater monitoring program developments worldwide. BCI has emerged as a partner in the development of remote laboratory design, construction, training and sustainability. In 2011 BCI started corporate and environmental criminal investigations to support our corporate clients facing issues that require technical and security investigations. BCI provides permitting and regulatory assistance to a myriad of clients. BCI develops teams for litigation support, engineering of remediation systems, and complex site assessments and acquisitions. Our environmental project experience includes but is certainly not limited to the following:

- Contaminated Site Investigations, Remediation Design & Implementation (Biological, Munitions, Chemical, Radiological)
- Stormwater Monitoring
- Bio Solids Management
- Soil and Groundwater Assessments
- Regulatory Compliance Assessments
- Monitoring and Program Development
- Permitting – Local, State and Federal
- International Maritime Organization Compliance
- Remedial Action Planning, Design of Soil and Groundwater Remediation Systems
- Waste Disposal Facility Design and Closure
- Waste Minimization
- Legacy Site Investigations
- U. S. Army Corps of Engineers Permitting (Section 10, 404 & CZM)
- Case Support & Expert Witness Work

Planning and Development

BCI creates economically viable and sustainable developments. We offer areas of land development from feasibility studies to engineering, construction, and launching new developments. Our services can include:

- Property Feasibility Studies
- Environmental Assessments, Documentation, and Permitting
- Impact Assessments
- Impact Avoidance and Mitigation Support
- Wetland Delineations, Evaluations, Mitigation Design, Construction Oversight, and Monitoring
- Planning and Design of Infrastructure (Water, Wastewater, Stormwater, Roadway)
- Stormwater Management



Water & Wastewater Services

BCI has the capability and experience to provide a wide array of water and wastewater engineering, modeling, and construction services with specialized expertise in advanced wastewater conveyance and treatment technologies. We have completed numerous potable water development and wastewater projects. Many projects involve advanced technologies and practices in treatment, odor control, and integrated system planning. We have developed real time monitoring systems and are currently stewards of numerous permitting programs. We can, when practical, remotely manage many facets of systems we build. Our expertise extends into bio-solids treatment, management and beneficial re-use options. BCI has developed complex advanced disinfection systems, treatment facilities evaluations and innovative problem solving for unique applications, systems, and processes. We have provided engineering and modeling services for commercial site developments, stormwater collection and detention systems, municipal sanitary and industrial sewer collection and treatment systems, channel evaluations, water distribution systems, watershed planning, drainage impact studies, piping network design, and pump station design to name a few.

Geotechnical Services

BCI's comprehensive geotechnical services range from field exploration to the design of geotechnical structures. Our geotechnical expertise includes:

- Geotechnical Structure Design – earthen dams, levee systems, foundations, retention systems, erosion control structures, flood control structures, and landfills.
- Geotechnical Analyses – bearing capacity, settlement, slope stability, seepage, instrumentation, lateral load, soil-structure interaction analyses, and borrow pit qualification.
- Geologic Studies – geologic mapping, hydrogeologic studies, geophysical studies, aggregate source evaluations, karst evaluations, and remedial measures.

LAB SERVICES:

We serve all types of testing and monitoring applications:

Air: Our modular and mobile air quality laboratories are equipped for a range of environmental applications including the detection or monitoring of fugitive emissions.

Water: We provide customized monitoring facilities with sample preparation, inline sampling suites, weather stations, real time sensors and disinfection systems. These units are ideal for large sanitary and storm water treatment systems. Our wet labs work equally well in mobile platforms and in modular containerized facilities.

Soil: Our mobile units allow for rapid analysis used in pilot studies and ongoing assessment projects. These units are ideal for remediation projects where there is a need for onsite sample preparation and testing.

Biota: Forward-deployed labs are strategically positioned near study areas. These units dramatically increase efficiency of studies after oil spills or natural disasters. Our mobile and modular labs are also ideal for large research assessments.



OUR TEAM

GENE JOANEN, R.S.O., E.P. – PRINCIPAL & SENIOR PROJECT MANAGER

As the Principal of Balance Consulting, Inc., Mr. Joanen's core responsibilities include project scoping and oversight, client relations, and contract negotiations. His main areas of expertise are property risk management, development of waste minimization, and sustainable development programs. He has over 25 years of experience in environmental consulting, evaluations and permitting, and is familiar with federal, state, and local environmental regulations and permitting processes. His academic background consists of a Bachelor of Science in Environmental Sciences and Biochemistry with a minor in Geology, and completion of Master Studies in Toxicology and Biochemistry from Louisiana State University.

ROBERT LAMBERT P.E. – LEAD CIVIL ENGINEER

Mr. Lambert has been involved in multiple aspects of engineering design, management and construction throughout his entire adult life, having participated at multiple levels including but not limited to the design, analysis and implementation of the following; structure, water quality and waste water, storm water drainage and retention, geometric and roadway design, engineering management and business development, construction management, construction engineering and design build and expert witness. His extensive and broad consulting background has contributed to both municipalities and other governing agencies at the local, state and federal levels and private, commercial and industrial industry.

FRED CUNNINGHAM, P.E., P.L.S. – LEAD CIVIL ENGINEER

Mr. Cunningham has nearly 35 years of engineering and surveying experience. He has been a licensed professional civil engineer since 1976 and a professional land surveyor since 1984. He has a Bachelor of Science in Civil Engineering from the University of Louisiana at Lafayette. He is the lead designer on all civil and site development projects at BCI. He has designed potable water and wastewater treatment facilities for clients such as Tulane National Research Primate Center, Greater Baton Rouge Zoo, BREC and the Greenwell Springs Hospital, just to name a few. He also played a key role in the design of the \$275 million dollar East Baton Rouge Sewer Improvement Program. In addition, he has planned, designed and managed numerous site development projects.

JULIE OLIPHANT, P.E. – SENIOR PROJECT ENGINEER

Ms. Oliphant has 13 years' experience and holds professional civil engineering licenses in Louisiana and Tennessee. She has a Master of Science degree in Engineering and a Bachelor of Science degree in Geology. At BCI, she is the lead project manager and oversees all project budgets and schedules. Her professional experience also includes working with the United States Army Corp of Engineers (USACE) for 9 years making her an expert in USACE regulations and standards. While at USACE, she designed embankments, pile supported structures, and I-wall and T-wall structures. She is also proficient in design software such as LPile, LMVD Method of Planes, SLOPE-W, UTexas and Microstation.



Our Team

R. BRENT BRAY P.G. – GEOLOGIST/HYDROGEOLOGIST

Mr. Bray is an independent hydrogeologist with over 25 years of experience providing environmental consulting, site investigation, construction remediation and litigation support services to clients involved in the exploration and production aspects of the petroleum industry. He is a primary investigator supporting plaintiffs and defendants in litigation involving the oil/gas exploration and production, petroleum refining, petrochemical and manufacturing industries. He provides environmental consulting, site investigation, risk assessment, construction remediation and litigation support services to clients involved in the refining aspects of the petroleum industry. He provided strategic reassessment of remediation activities at a specialty chemical facility in Baton Rouge, Louisiana which was utilizing pump & treat technology and aerobic wastewater treatment to address multi-aquifer organic contamination. Reassessment resulted in an aggressive program to refocus the remedial program and bring remedial activities to a cost effective conclusion via risk-based closure.

BONNIE PORTER – BIOLOGIST

Ms. Porter is a Field Biologist and Environmental Technician with national experience in conducting a wide variety of field projects. She also conducts technical research and manages technical integration for forward field labs worldwide. She has a B.S. in Natural Resource Ecology and Management from Louisiana State University.

MIKE W. AERTKER, MSE, MBA - BIOMEDICAL ENGINEER/BIOSECURITY/INVESTIGATIONS

Mr. Aertker has over 20 years' experience in a biomedical research environment as a researcher, administrator, and construction manager. He has also provided biocontainment facility design, biosecurity and operations consulting services through Global Strategic Services, LLC (President and Owner) to the United States Department of State (Biosecurity Engagement Program), numerous universities, construction companies and to high-containment laboratory manufacturers. Additionally, building on his past experience as a police officer tasked with countering the actions of certain domestic terrorist groups, he continues investigative work as a licensed private investigator specializing in technical and corporate investigations. Mr. Aertker earned Bachelor and Master of Science Degrees in Biomedical Engineering and a Master of Business Administration, all from Tulane University. Mr. Aertker is a Certified USACE Construction Quality Management Certification (CQM-C).

STEPHEN A. FISCHER, P.G. – GEOLOGIST/HYDROGEOLOGIST/ENVIRONMENTAL SCIENTIST

Mr. Fischer has over 20 years' experience, and serves as a lead investigator and project manager at Balance Consulting, Inc. He holds a Bachelor of Science degree in Geological Sciences from Nicholls State University in Thibodaux, LA. He is 40 hour HAZWOPER and 8 Hour Supervisor Training certified, and is certified in NORM Safety and Surveying. Stephen has extensive experience in oil field upstream, petrochemical refining, and downstream related issues from spill management and assessment to compliance. He is an expert on waste separation and beneficial use projects. He has also gained experience in most areas of regulations and permitting as they relate to industrial operations and remediation projects.





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“Sustainable Development Experts”

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