

December 8, 2015

The Honorable Nikki R. Haley, Governor
State of South Carolina
1205 Pendleton Street
Columbia, SC 29201

Dear Governor Haley:

The SC Council of Engineering and Surveying Societies (SCCESS) has completed the evaluation process for interviewing candidates for nominations to you as specified in Act 83 of 2003, for the position on the SC Building Codes Council dedicated to a Professional Engineer, currently held by Mr. Greg Parsons, PE.

After reviewing the applications, the Council is pleased to recommend that Mr. Greg Parsons, PE, be re-appointed to the Building Codes Council. Mr. Parsons' resume is enclosed for your information.

The SC Council of Engineering and Surveying Societies is composed of professional and technical engineering and surveying organizations representing thousands of engineers and surveyors throughout the state. The Council currently consists of the following organizations:

- American Council of Engineering Companies of South Carolina (ACEC-SC)
- American Society of Civil Engineers (ASCE)
- American Society of Mechanical Engineers (ASME)
- Institute of Electrical and Electronic Engineers (IEEE)
- Institute of Transportation Engineers – South Carolina Section (ITE-SC)
- South Carolina Society of Professional Engineers (SCSPE)
- South Carolina Society of Professional Land Surveyors (SCSPLS)
- Structural Engineers Association of South Carolina (SEASC)
- Society of Agricultural and Biological Engineers

These organizations' representatives serve on the Council of Engineering and Surveying Societies, which advertised for interested engineers and surveyors to come forward for consideration. These advertisements were through the various engineering and surveying organizations' newsletters, e-mails, and websites. Additionally, advertisement was made on the SC Department of Labor, Licensing, and Regulation's website.

I look forward to hearing from you on this appointment. If you have any questions or seek further information on the Council or the nomination, please contact me at 803-509-6605 or by e-mail at Edward.Owens@hdrinc.com.

Sincerely,



Edward J. Owens Jr., P.E.
President



Gregory P. Parsons, MS, PE, CBO

Professional Engineer

Building Forensics

Property Loss Investigation

Building Codes and Standards Evaluation

Construction and Industrial Accident Reconstruction

Expert Witness and Litigation Support

Construction Claims Analysis

Alternative Dispute Resolution

Cost Estimation

EDUCATION

- 1981** **Master of Science Industrial Engineering (Engineering Management)**
Cleveland State University
- 1976** **Bachelor of Science Civil Engineering**
Ohio University

EXPERIENCE

- 1988 TO Present** **Builders Engineering Corporation** President and Principal Engineer
A forensic engineering and consulting firm specializing in the Building Construction Industry. Perform analysis of construction accidents and property related losses, design and evaluation of buildings and other structures, failure and loss investigations, evaluations for building and construction code compliance.
- 1981 TO 2000** **South Carolina Electric and Gas Company** Engineer and Project Manager
Served in a variety of engineering and project management positions at the V. C. Summer Nuclear Station. These functions included: Design, Program Coordination, Safety Engineering and Quality Assurance.
- 1993 to 2000**
Design Engineering in the civil/structural/seismic areas, coordinating numerous projects including: Circulating Water Discharge Canal dredging, development of the Security Barrier plan, Reactor Building Tendon Surveillance program, Storage Request program, modification of electrical cabinets for seismic interaction, Seismic IPEEE plant walkdown and Reactor Containment coatings.
- 1988-1993**
Coordinator for Human Performance Evaluation System Program and Generic Safety Issues Duties included investigation, evaluation and reporting of human performance related accidents and other events. Responsible for monitoring generic safety issues and unresolved safety issues.
- 1986-1988**
Safety Engineer in the Independent Safety Engineering Group, responsible for overseeing the operation of the plant from a technical safety basis. Performed safety system functional inspections, reviewed design basis changes, monitored operations and maintenance activities, performed technical investigations and provided written reports to management.
- 1981-1986**
Quality Assurance Engineer responsible for the quality functions for procurement of plant equipment and spare parts, including seismic qualification of these components. Specific responsibilities included quality program development, lead auditor for vendor and internal audits, specifying of procurement quality and seismic requirements, and developing resolution for spare parts problems. Additional responsibilities included review and approval of nonconformance dispositions, technical procurement/seismic specifications, and plant modification documents.

EXPERIENCE (CONT.)

1976 TO 1981

Cleveland Electric Illuminating Company Engineer and Construction Management Served in a variety of engineering and construction management positions at the Perry Nuclear Power Plant. These functions included: Construction Procurement, Contract Administration and Quality Assurance/Quality Control

1980-1981

Construction Buyer responsible for writing and awarding construction contracts and amendments, including negotiation of changes and interface with all elements of the project organization (contractors and project legal staff). Supervised buyer clerks and claim technicians. Also responsible for analysis, negotiation and resolution of construction claims.

1978-1980

Contract Administrator responsible for daily administration of construction progress, coordination, and scheduling, budget, contractor progress payments and time/material payments. Supervisor/leader of a construction team including an engineer, scheduler, QA engineer and QC inspector.

1976-1978

Quality Assurance/Quality Control Engineer responsible for writing inspection procedures, reviewing and approving contractor quality procedures, and performing audits of contractors and vendors. Performed first line inspections of civil and piping installations. Certified as an ANSI Level II Civil and Level II Piping Inspector.

ALTERNATIVE DISPUTE RESOLUTION EXPERIENCE

1980 TO Present

Served as sole arbitrator, panel member and panel chairman in numerous cases for the American Arbitration Association. Resolved many contractor/ subcontractor; owner/ contractor; architect/ owner; owner/ contractor/subcontractor multi-party disputes with claims as large as \$20 million. Disputes involved contract terms and conditions, change orders, delays, faulty plans and specifications and other construction related claims.

2004 TO Present

Served as mediator and arbitrator for the Construction Arbitration Services. Resolved contractor/ owner dispute. Dispute involved faulty workmanship and building code compliance.

APPOINTMENTS AND PROFESSIONAL ORGANIZATIONS

Elected Chairman the South Carolina Building Codes Council

Appointed to the South Carolina Building Codes Council by three Governors of South Carolina

Appointed to the National Panel of Construction Mediators by the American Arbitration Association

Appointed to the National Panel of Construction Arbitrators by the American Arbitration Association

Building Inspection Engineering Certification Institute, Board Certified Building Inspection Engineer

National Academy of Building Inspection Engineers, Charter Associate Member (inactive)

International Code Council, Registrant Member

National Society of Professional Engineers (National, State & Local), former Columbia Chapter Director (inactive)

American Society of Civil Engineers (ASCE) (National, State & Local), Member (inactive)

ASCE Technical Council on Forensic Engineering, Member

ASCE Committee on Forensic Practices, Member

Structural Engineering Institute, Standards Committee on Condition Assessment & Rehabilitation of Buildings

Structural Engineers Association of South Carolina, Member

South Carolina Council of Engineering and Surveying Societies, Ex-Officio Member

South Carolina Urban Search & Rescue Task Force 1, Structural Specialist

Engineers Without Borders, University of South Carolina Chapter, Professional Mentor

South Carolina State Guard, Engineering Detachment, Captain

REGISTRATION

Professional Engineer, State of South Carolina, (# 8942)

Professional Engineer, State of North Carolina, (# 026144)

Professional Engineer, State of Georgia, (# 028897)

Professional Engineer, State of Virginia, (# 051052)

Professional Engineer, State of Connecticut, (# 21252 inactive)

Professional Engineer, State of Ohio, (# E-45963 inactive)

Licensed General Contractor (Buildings), State of South Carolina (# G108772)

Residential Building and Remodeling Contractor, State of South Carolina (# 9156 inactive)

Commercial Building Inspector, International Code Council (# 5218616-B2 inactive)

Building Plans Examiner, International Code Council (# 5218616-B3 inactive)

Certified Building Official, International Code Council (# 5146094-CB)

CONTINUING EDUCATION

2015

International Code Council, Annual Conference and Code Hearings, Long Beach, CA

2015

Annual Conference, Structural Engineers' Association of SC, Columbia, SC

2015

SC Engineering Conference, SC Society of Professional Engineers, Myrtle Beach, SC

2015

Modular Building Institute, World of Modular, Las Vegas, NV

2014

International Code Council, Annual Conference and Code Hearings, Fort Lauderdale, FL

2014

SC Society of Professional Engineers, Case Studies of Engineering for Forensic Purposes, Columbia, SC

2014

American Arbitration Association, Using Experts Effectively in Commercial & Construction Arbitration

2014

Synergy Engineering, Restraint of Non Structural Components, Columbia, SC

2014

International Code Council, Emergency Egress Provisions, North Myrtle Beach, SC

2014

Wood Frame Construction Manual, American Wood Council, Columbia, SC

2014

Modular Building Institute, World of Modular, San Antonio, TX

2013

Masonry Fasteners, SEA of SC Midlands, Columbia, SC

2013

Urban Search & Rescue, Center for National Response, Gallagher, WV

2013

International Code Council, Annual Conference, Atlantic City, NJ

2013

Structural Engineers Association of South Carolina Annual Conference, SEA of SC, Columbia, SC

2013

IBC Chapter 17 Special Inspections Licensing, SCDLLR, Columbia, SC

2013

IRC, IBC, IFC, IMC, NEC, IPC, IFGC IBC & ANSI A117 2006 – 2009 – 2012 Changes, SCDLLR, Lexington, SC

CONTINUING EDUCATION (CONT.)

2012

American Arbitration Association, Construction Professionals Guide to Conducting an AAA Arbitration

2012

FEMA/US Army Corps of Engineers, Urban Search & Rescue Structures Specialist, Moffett Field, CA

2012

International Code Council, Annual Conference and Code Hearings, Portland, OR

2012

SC Society of Professional Engineers, SC Engineering and Trade Show Conference, Myrtle Beach, SC

2012

Modular Building Institute, World of Modular, Orlando, FL

2011

SC Urban Search & Rescue, Field Operations Assessment & Training, Charlotte, NC

2011

International Energy Conservation Code, Mechanical, Residential & Commercial, Columbia, SC

2011

Structural Engineers Association of SC, Post Windstorm and Flood Building Evaluation, Columbia, SC

2011

SC Emergency Management Division, Pre & Post Earthquake Building Evaluation, Columbia, SC

2010

South Carolina Task Force 1, Urban Search & Rescue Team Training, Columbia, SC

2010

Foundation Technologies, Chance Engineering Seminar, Columbia, SC

2010

Council of Litigation Management, Selection Use & Management of Expert Witnesses, Charlotte, NC

2009

American Society of Civil Engineers, Forensic Engineering Congress, Washington DC

2009

RISA, Structural Analysis Software, Charlotte, NC

2009

American Arbitration Association, Advanced Commercial Mediation, Atlanta, GA

2009

Weyerhaeuser iLevel Services, Wall Bracing Design and Residential Tall Walls, Columbia, SC

2009

American Society of Civil Engineers, Clemson Wind & Structural Engineering Research, Columbia, SC

2008

American Arbitration Association, Standard for Efficient and Cost Effective Arbitration, Charlotte, NC

CONTINUING EDUCATION (CONT.)

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Wood Products Council, Wood Solutions Seminar, Charlotte, NC

2007

American Society of Civil Engineers, Public Relations Training Workshop, Washington, DC

2006

American Arbitration Association, Managing Cases Involving Self-represented Parties, Columbia, SC

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American Society of Civil Engineers, Forensic Engineering Congress, Cleveland, OH

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Georgia Institute of Technology, Computer Aided Structural Analysis, Columbia, SC

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American Society of Civil Engineers, New International Building Code Provisions, Columbia, SC

CONTINUING EDUCATION (CONT.)

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American Arbitration Association, Advanced Case Management Training, Charlotte, NC

2001

National Academy of Building Inspection Engineers Conference, Charleston, SC

2000

Expert Witness Training, Columbia, SC

1999

Structural Steel Painting Council, Coating Failure Analysis, Houston, TX

1999

FEMA Disaster Response Training presented by Parsons, Brinkerhoff, Columbia, SC

1999

South Carolina Volunteer Technical Assistants Group, Disaster Response Training, Charleston, SC

1999

National Academy of Forensic Engineers, Forensic Engineering Seminar, Atlanta, GA

1998

South Carolina Supreme Court Civil Mediation Training, Columbia, SC

1997

National Forensic Center, The Expert Witness College, Tampa, FL

1997

American Arbitration Association, Construction Industry Arbitrator Training, Charlotte, NC

1996

Wind Loads per ASCE 7, Charlotte, NC

1993

SQUG/IPEEE Seismic Training, Charlotte, NC

1991

American Society of Metals, Principles of Failure Analysis, Cleveland, OH

1991

American Arbitration Association, Advanced Arbitrator Training, Charlotte, NC

1990

Advanced Root Cause Analysis, Columbia, SC

1990

Advanced Event Investigation Techniques, Atlanta GA

1989

Root Cause Analysis for Power Plants, Columbia, SC

CONTINUING EDUCATION (CONT.)

1989

Advanced Human Performance Event Investigation Techniques, Atlanta, GA

1987

Human Performance Event Investigation Techniques, Wilmington, NC

1980

American Arbitration Association, Arbitrator Training, Cleveland, OH

1980

Hill International, Resolving Contract Disputes & Avoiding Construction Claims, Cleveland, OH

1978

Art of Negotiation, Cleveland, OH

1977

Portland Cement Institute, Concrete Containment Inspection, Skokie, IL

PAPERS AND PRESENTATIONS

2015

SC Building Codes: Myths Busted, Secrets Revealed, SC Society of Professional Engineers, Myrtle Beach, SC

2014

Forensic Engineering: Is This For Me?, American Society of Civil Engineers – USC Student Chapter, Columbia, SC

2012

Tricks of the Trade for a Forensic Practice, American Society of Civil Engineers – Midlands Chapter, Columbia, SC

2012

Best Practices in the Investigation of Building Failures, SC Society of Professional Engineers, Myrtle Beach, SC

2010

Best Practices in Construction Defect Investigations, South Carolina Bar Association, Kiawah, SC

2007

An ounce of Prevention is Worth 10 CuYds of Cure, Home Builders Association of SC, Myrtle Beach, SC

2007

Forensic Engineering; What's That?, South Carolina Society of Engineers, Camden, SC

2004

Structural Tests and Special Inspections, Columbia Contractors Association, Columbia, SC

2004

South Carolina Building Code Council, American Society of Home Inspectors, Columbia, SC

2004

South Carolina Building Code Council, SC Association of Home Inspectors, Columbia, SC

2002

SC Building Code Council, South Carolina Society of Professional Engineers, Columbia, SC

2000

Using the Beaufort Wind Scale in Assessing Wind Damage, Columbia, SC

1992

Human Performance Event Case Studies, Port Gibson, MS

Numerous reports describing analysis of failures associated with individual cases

(Last Update: 11-12-15)