



# The North Carolina Bulletin

The Newsletter of the North Carolina  
Board of Examiners for Engineers and Surveyors

December, 1999

FALL ISSUE

## View from the Chair

by

**M. Frank Tyndall, PE**  
**Board Chair**

### Personal Remarks

Before my appointment six years ago, I had very little understanding of the tremendous efforts of various technical groups who contribute to the work of this Board. Upon witnessing their continuing support, I have concluded that without their assistance, significant additional resources would be necessary for our Board to enforce the statutory requirements for regulating the practice and for licensing engineers and surveyors. I believe each of our licensed professionals should be appreciative of the work of these engineering and surveying technical groups who assist this Board in such a substantive way. As a result, I call your attention to several of these technical groups whose work is vital to supporting the protection of public interest relating to our practice as licensees.

### National Council of Examiners

Membership in the National Council of Examiners for Engineering and Surveying (NCEES) is from licensing boards in all US jurisdictions. The purpose of NCEES is to provide an organization through which licensing boards may act and counsel together to better discharge their responsibilities in regulating the practices of engineering and surveying as they relate to the welfare of the public in safeguarding life, health, and property.

The preparation, format, and content of the NCEES uniform examinations are supervised and executed through various working committees. Numerous Board members have been favorably impressed as participants over the past several years in the exam preparation and review committees. NC engineers, surveyors and engineering educators who contribute to item writing for the NCEES examinations are truly appreciated.

Since federal licensing of engineers and land surveyors is prohibited, individual state licensing authorities require assistance in uniformly establishing rules and regulations governing the practice in conformity with other jurisdictions. To assist licensing Boards, the NCEES approves and prepares guideline documents, called "Model Laws" and "Model Rules and Regulations for Licensing Boards." These documents are used as references in the preparation of amendments to existing legislation and in adopting rules of procedure consistent with the General Statutes. The benefits of these documents include: (1) providing greater uniformity of qualifications for licensure; (2) insuring adequate protection of public interests; and (3) simplifying the interstate licensure of engineers and land surveyors. Participation by this board in the National Council of Examiners is an invaluable resource which each licensee in NC should value.

### Accreditation Board

The Board is always invited by the Engineering Accreditation Committee of the Accreditation Board for Engineering and Technology (ABET) to be an observer at the engineering program evaluations of each of the five engineering schools in NC. Each engineering program accredited by ABET is evaluated in such a way as to insure that the graduates from the program are prepared for the practice of engineering at a professional level.

The work of ABET is extremely valuable to the Board in evaluating the competency of an applicant's education and experience to determine qualifications for licensure as a Professional Engineer. Less progressive engineering experience is required for a candidate graduated from an ABET accredited program because of the work ABET has done to demonstrate education satisfactory to the Board. By participation in the ABET evaluation of engineering programs at NC educational institutions, the Board of Examiners witnesses compliance with the accreditation criteria adopted by ABET. Program criteria are submitted for each

*View From the Chair*

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## THE NORTH CAROLINA BULLETIN

Published quarterly to provide news and information regarding statutory and regulatory changes, and to promote a better understanding of the practices of engineering and land surveying in the State of North Carolina.

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**James B. Hunt, Jr.**  
Governor

### BOARD MEMBERS

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Lou Ann Buck  
Associate Editor



## BOARD OFFICE RELOCATED

The Board office was relocated in October to new quarters in North Raleigh. Our new address is 310 W Millbrook Road, Raleigh, NC 27609; our new telephone number is (919) 841-4000. We invite each of you to visit the office should your travels bring you to the capital city.

## EXAM CORNER

Changes have been announced in the format of several of the discipline exams offered for the Principles and Practice of Engineering Examination.

Effective with the April 2000 exam administration, the Chemical and Structural I Principles and Practice of Engineering Examinations will be in a 100% objectively scored, no-choice format. Examinees will use an answer sheet for the morning portion of the examination similar to the one used for the afternoon portion.

Another change concerns the Electrical Examination. Effective with this exam administration, the 1999 edition of the National Electrical Code (NEC) will apply to any code-related questions.

Beginning with the October 2000 examinations, several discipline exams will have new formats. These include:

**Civil** – The morning portion of the civil exam will be a 100% objectively scored, no-choice format that covers the breadth of civil engineering. The afternoon portion will consist of five (5) modules that will cover the depth of a civil engineering topic. The examinee must choose one of these modules, with all modules being 100% objectively scored.

**Manufacturing** – This examination will be in a 100% objectively scored no-choice format.

**Mining/Mineral** – This examination will be in a 100% objectively-scored format. There will be sixteen (16) problems with each problem consisting of 10 multiple-choice questions. Examinees will work eight (8) of the sixteen (16) problems.

Specifications for the examinations can be found on the WEB site of the National Council of Examiners for Engineering and Surveying at [www.ncees.org](http://www.ncees.org).

## **IMPLEMENTING CONTINUING PROFESSIONAL COMPETENCY REQUIREMENTS**

by

George E. Freeman, PE and PLS, Chairman  
Continuing Professional Competency Committee

In establishing the continuing professional competency requirements as a condition for license renewal, wording was carefully crafted by the Board of Examiners to define the course/activity as one whose purpose and objective was clear with a content that will “maintain, improve, or expand the skills and knowledge of the licensee’s field of practice.”

The responsibility for selecting the courses and activities which meet the requirements of the Board remains that of the licensee. The licensee has the option of selecting courses which he/she believes meet the requirements subject to audit and post evaluation; or the licensee can elect to attend courses which are being produced by “Approved Sponsors.” Courses offered by those designated by the Board as “Approved Sponsors” must contain a clear purpose and objective, and result in the maintenance, improvement, or expansion of skills and knowledge relevant to the licensee’s field of practice. Courses offered by “Approved Sponsors” are deemed acceptable for PDH credit without scrutiny of individual course content. This places significant obligation and responsibility upon the “Approved Sponsors” for providing courses and instructors that comply with the Board’s continuing professional competency requirements.

Upon review of proposed course materials, promotional course literature, and by actual attendance and monitoring courses, it is becoming more evident that a number of courses are being sponsored and presented which marginally or questionably meet the Board’s objectives. These include activities that grant excessive PDH credits compared to contact hours expended, lack monitoring and enforcement of attendance for the duration of the course, and lack satisfactory course attendance records; all as a requirement to maintain “Approved Sponsor” status and to have as acceptable the time spent credited toward PDH requirements.

A number of “Approved Sponsors” have perfected their systems and record keeping with full time monitoring, tracking attendance and PDH credit matching actual contact time. It is preferred that a log be kept which shows the name of the attendee who has satisfactorily completed the course, type of activity claimed, sponsoring organization, location of the activity, duration, instructor’s or speaker’s name, and PDH credits earned.

Examples of qualifying and nonqualifying activities are set forth below in an effort to clarify Board expectations:

### **Typical Qualifying Activities**

- Completing courses, seminars, instruction, in-house programs, or training of an engineering or land surveying content that relate to the licensee’s field of practice. (Remember, it must result in the maintenance, improvement, or expansion of skills and knowledge in the licensee’s field of practice.)
- Attending technical or professional society meeting when an engineering/land surveying topic is presented as a principal part of the program.
- Teaching a course for the first time or teaching a course previously taught if substantial time was spent in updating material.

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- Attending satellite down-link video courses where attendance is verified and program materials meet the requirements.
- Completing computer software instructional courses which relate to the improvement of one's business or profession.
- Completing language courses which relate to the improvement of one's business or profession.
- Completing management or ethics courses which relate to the improvement of one's business or profession.
- Completing correspondence courses on an engineering/land surveying topic where lessons are prepared and returned for correction and/or grading and where testing at the end of the course is required.

### **Typical Non-Qualifying Activities**

- Regular employment
- Real Estate licensing courses
- Personal, estate, or financial planning
- Self-study
- Personal self-improvement
- Service club meetings or activities
- Vendor demonstrations or trade show displays
- Topics not relevant to engineering or land surveying professions
- Enrollment without attendance at courses, seminars, or other programs
- Repetitive attendance or teaching of the same course
- Attendance at general business meetings of any organization
- Conversational language courses for personal use

The Board continues to be concerned about the discipline and oversight which the "Approved Sponsors" are giving to their courses. We urge the "Approved Sponsors" to take necessary steps to assure that proper subject matter is presented, and adequate monitoring and record keeping are maintained. Only in this manner can the integrity of the "Approved Sponsor" system be maintained. Likewise, the Board reminds the licensee that the responsibility remains with the licensee to accurately obtain, record, and report CPC activities at renewal.

For the future, the Board has under study several major regulation considerations which may affect the licensees' CPC and the accumulation of PDHs. Included among these considerations are:

- requiring PDHs to be reported to the nearest 1/3 or 1/2 hour of actual contact time expended. For regular professional society meetings with qualifying programs, this would limit the contact time to the qualifying program content time only.
- requiring 1/4 to 1/3 of the PDHs be based upon the completion of "core" courses—those related to basic technology of the practice discipline in which the licensee is qualified.
- increasing the incidence of auditing of licensee's records which document the acquisition of PDHs.

It is the Board's purpose to make the concept of continuing education and proficiency in a world of fast-changing and developing technology as effective as possible. In addition, there is the real need for renewal of basic engineering and land surveying technology, which should be available to the practitioner whose responsibility is diverse and complex. In its responsibility to regulate the practices of engineering and land surveying in the public interest, this Board is challenged to maintain the proficiency of the practitioner in order to safeguard life, health, and property, and to promote the public welfare. Our success in this responsibility rests with all licensees.



## BOARD MEMBERS IN THE NEWS



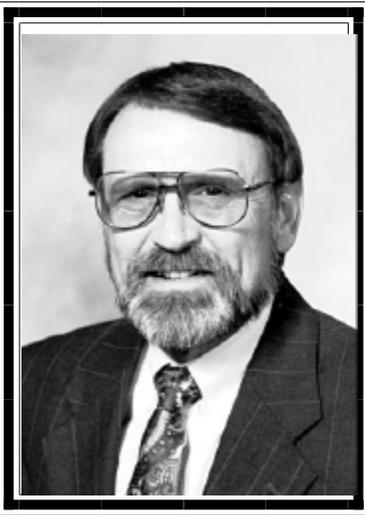
### COTTINGHAM CHOSEN PRESIDENT-ELECT OF NCEES

J. Richard Cottingham, PE, PLS and member of the North Carolina Board since 1990, was chosen President-Elect of the National Council of Examiners for Engineering and Surveying (NCEES) during its Annual Meeting in Buffalo, New York. Cottingham is the first North Carolina Board Member to serve in this capacity since Parks H. Daggett, PE, served as President in 1925-1926.

During his ten-year service to the North Carolina Board, Cottingham was elected as Chair of the Board and served as Chair of the Engineering Committee for three terms. Mr. Cottingham was also instrumental in the promulgation of regulations mandating continuing education as a condition of renewal.

Mr. Cottingham is President of Titan Atlantic Group, a multidiscipline firm based in Raleigh. The firm offers civil engineering, construction materials testing, facilities engineering and related services. Cottingham retired from the US Navy Civil Engineer Corps after 22 years of service with the rank of Captain and subsequently served as Executive Vice President and Regional Manager of Law Engineering prior to founding Titan Atlantic Group.

Mr. Cottingham's term of service with the North Carolina Board of Examiners is set to expire on 12/31/99.



### R. LARRY GREENE RECOGNIZED BY NCEES

Former Board Member R. Larry Greene, PLS, was awarded the Distinguished Service Award by the National Council of Examiners for Engineering and Surveying at the Council's (NCEES) Annual Meeting, in Buffalo, New York.

Mr. Greene was nominated by the North Carolina Board, selected by the NCEES Awards Committee, and named the winner of this distinguished award by the NCEES Board of Directors. The award is given annually in recognition of service to the Council and to acknowledge significant contributions to Member Boards, to NCEES, and to the advancement of licensure.

Mr. Greene was a member of the North Carolina Board of Examiners for ten years, serving as Board Chair for two years. While serving as Chair of the NCEES Professionalism and Ethics Committee, Mr. Greene's leadership provided for the development of the Professionalism and Ethics in Surveying course. He obtained funding from professional organizations and Member Boards, which led to the course for surveyors. Mr. Greene was recognized for his contributions to the profession of land surveying in 1998 when he received a special NCEES Presidential Commendation and again in the spring of 1999 when he was awarded the Meritorious Award for Service to the Southern Zone of NCEES.

Mr. Greene owns and operates R. L. Greene Surveying and Mapping in Marion, NC.

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## RODGERS REAPPOINTED TO BOARD

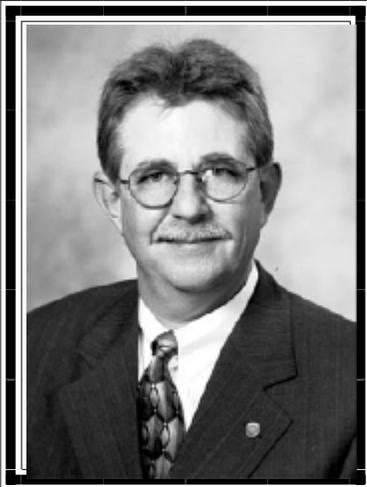


Governor James B. Hunt, Jr., has reappointed Doris M. Rodgers to a full, five year term to the North Carolina Board of Examiners. Mrs. Rodgers was appointed to the Board in late 1998 to complete the un-expired term of former Board Member Helen Merritt. Mrs. Rodgers will serve as one of two Public Members on the Board.

Rodgers lives in Hampstead, North Carolina, with her husband Don where she serves as the Assistant Director of Poplar Grove Plantation, a historical property listed on the National Register for Historic Homes.

During her term on the Board, Rodgers has served on the Board's Surveying Committee and the Continuing Professional Competency Committee. Rodgers was recently elected as Secretary of the Board, a position she will assume at the Board's January, 2000 meeting.

Rodgers' term of office will expire on December 1, 2004.



## OWEN APPOINTED AS SURVEYING MEMBER

William C. Owen, PLS, of Southern Shores has been appointed by Governor James B. Hunt, Jr. to a five-year term as a Surveying member of the North Carolina Board of Examiners. Mr. Owen was appointed to fill the position previously held by R. Larry Greene, PLS, whose term expired on 12/31/98.

Mr. Owen's career in surveying began at the early age of 15 when he worked on a summer job with the Virginia Department of Transportation. Mr. Owen was later employed with American Engineers of Richmond, VA and then moved to Manteo, NC in 1973 to serve as Project Manager for Dare County Tax Maps. Mr. Owen remained on the Outer Banks to pursue his surveying career where he co-founded Seaboard Surveying & Planning in 1996.

Mr. Owen has been active in professional organizations and was a charter member of the Outer Banks Chapter of the North Carolina Society of Surveyors and served as its President in 1989, 1991 and 1994. Mr. Owen has also been significantly involved in the activities of the North Carolina Society of Surveyors at the State level serving on the Board of Directors in 1989 and 1991, the Executive Committee in 1991, and membership on the Long Range Planning Committee, NCSS Institute, the Finance and Budget Committees, the Private Practice Committee and the Constitution & By-Laws Committees. Mr. Owen was elected as President of NCSS for 1997.

Mr. Owen resides in Southern Shores with his wife Janet and son Zack. Mr. Owen's term will expire on December 31, 2003.



## BOARD PROPOSES RULE AMENDMENTS

Proposed amendments to the Board Regulations have been forwarded to the North Carolina Office of Administrative Hearings for publication in the North Carolina Register. After publication, the Board will receive comments from interested parties and will conduct a public hearing to provide a forum for discussion of the proposed changes.

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## DO YOU ADVERTISE ON THE WEB?

Many individuals and firms currently have their own WEB site on the Internet which is used to provide information about available services and to market engineering or surveying services to the general public. Advertising by Professional Engineers and Professional Land Surveyors is permitted under the Rules of Professional Conduct (Board Rule .0702) so long as the licensee does not make "exaggerated, misleading, deceptive or false statements or claims about professional qualifications, experience or performance" or use "statements containing a material misrepresentation of fact or omitting a material fact necessary to keep the statement from being misleading; statements intended or likely to create an unjustified expectation; and statements containing a prediction of future success."

In addition to these basic requirements, WEB sites cannot list the location of offices that offer engineering or surveying services which are not licensed with the Board. Each firm that offers or provides engineering or surveying services must be licensed with the Board and must identify each individual office location that offers or provides engineering or surveying services in North Carolina. The only exception to this requirement are sole proprietorships that operate under the signature name of the licensee. All other entities, regardless of location, must be licensed with the NC Board.

A number of complaints have been investigated this past year concerning national firms that list offices in North Carolina on WEB sites when the services provided in North Carolina are actually provided by a subsidiary that is properly licensed. This is a violation of G.S. 89C since the national firm is not licensed to offer services in North Carolina.

Another type of complaint is one in which a company that offers both engineering and surveying services fails to denote that a specific branch office is qualified only to offer one of the services.

Licensees are cautioned to review their company and personal advertisements on the Internet and ensure they are in full compliance with the Board's regulations on advertising.

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The vast majority of the proposed changes are required as the result of action taken in 1998 by the North Carolina General Assembly. During this legislative session, a number of titles were modified; the act was made gender-neutral; and the definition of surveying was modified to mirror the national model definition, just to name a few of the more significant revisions. In addition to changes that will insure consistency with the Practice Act, the Board is proposing changes that will emphasize that licensees must compete for employment on the basis of professional qualifications and competence and will fully comply with the tenets of the North Carolina Mini-Brooks Act for public projects.

The Board will conduct a public hearing at the Board office at 9:00 a.m. on February 17, 2000.

A summary of the proposed amendments can be found on the Board's WEB site at [www.ncbels.org](http://www.ncbels.org) under the

## BOARD GREETS NEW STAFF MEMBERS

In the final months of 1999, the Board welcomed three new employees to the Board staff.

Cathy Kirk joined the Board staff in July as Board Investigator. Ms. Kirk obtained a A.A. in Liberal Arts from Peace College in Raleigh, NC and a B.S. in Psychology from Columbia College, Columbia, MO. Since 1993, Ms. Kirk had been employed with the Raleigh Police Department where her responsibilities had been expanded to include duties as a Field Training Officer. Ms. Kirk has completed her tutelage and has been assigned a full caseload.

In August, Patricia Joyce joined the Board staff as Receptionist/Administrative Assistant. Mrs. Joyce is originally from the Fayetteville area where she attended Reid Ross Senior High School. Patricia later obtained certification as a Computer Administrative Assistant from Tidewater Technical Institute in Chesapeake, VA. In addition to assisting callers with needed information, Mrs. Joyce is responsible for the processing of all surveying applications and all student engineering applications for the Board. Mrs. Joyce resides with her husband and daughter at Lake Royale, NC.

The most recent addition to the Board staff was Mark Mazanek who assumed his position as Board Investigator on December 13, 1999. Like Cathy Kirk, Mark came to the Board from the Raleigh Police Department where he served as a Police Officer since 1996. Mark has a B.A. in Communications from North Carolina State University and will undergo several months of training before assuming a caseload with the Board. Mark and his wife live in Youngsville, NC.

The Board is extremely happy to welcome these new employees and looks forward to their many future contributions.

### Disciplinary Actions

The following summaries represent disciplinary actions taken by the Board from April 1, 1999 to December 1, 1999. Penalties vary, depending upon the specific circumstances of each case. Space limitations preclude a full reporting of all circumstances. Questions or requests for additional information concerning specific cases should be directed to the Board Counsel at Ext. 111.

#### **CASE NO. V96-067**

Darrel D. Daniels PLS L-518  
New Bern, NC

VIOLATION: Performed inaccurate or substandard surveys, failing to protect the public, failed to conform to the Standards of Practice for Land Surveying in NC and certified plats which do not comply with requirements of G.S. 47-30.

BOARD ACTION: Revocation of PLS license.

#### **CASE NO. V97-062**

Robert E. Brady PE 8322  
Middleville-Gun Lake, MI

VIOLATION: Performed services outside his area of competence, affixed his seal to work not done under his direct supervisory control or responsible charge, and failed to properly sign, seal and date document.

BOARD ACTION: Revocation of PE license

#### **CASE NO. V97-097**

Land Management Group, Inc., unlicensed  
Wilmington, NC

VIOLATION: Practicing engineering while not properly licensed.

BOARD ACTION: Referred to the North Carolina Board of Soil Scientists for appropriate action. Case was closed based upon a determination by the North Carolina Soil Scientists Board that the corporation was operating within the provisions of G.S. 89F and no further action was warranted.

#### **CASE NO. V98-037**

Grady Nichols Enterprises, unlicensed  
Montevallo, AL

VIOLATION: Practiced or offered to practice engineering without licensure as required by G.S. 89C-24.

BOARD ACTION: Referred to Office of the Attorney

General for appropriate action.

#### **CASE NO. V98-048**

SPATCO Engineering and Geological Services, PC,  
Professional Corporation C-1282  
Charlotte, NC

VIOLATION: Failed to have a resident licensed professional in responsible charge in each office.

BOARD ACTION: Reprimand and civil penalty of \$2000.

#### **CASE NO. V98-079**

Eddie B. Durham, unlicensed  
Kannapolis, NC

VIOLATION: Practiced or offered to practice land surveying without being licensed as required by G. S. 89C.

BOARD ACTION: Referred to the Office of the Attorney General for appropriate action.

#### **CASE NO. V98-088**

The Devlan Group, unlicensed  
Kernersville, NC

VIOLATION: Practiced or offered to practice engineering in violation of G.S. 89C-24 and 55B.

BOARD ACTION: Referred to the Office of the Attorney General for appropriate action.  
(In conjunction with Case No. V98-095)

#### **CASE NO. V98-091**

Atlantic Coast Engineering & Testing, Inc.,  
Professional Corporation C-387  
Greensboro, NC

VIOLATION: Failed to have a resident licensed professional in responsible charge in each office.

BOARD ACTION: Reprimand and civil penalty of \$1000.

#### **CASE NO. V98-092**

Thomas E. Ramsey PE 7241  
Greensboro, NC

VIOLATION: Produced a report that did not contain sufficient detail to protect the public.

BOARD ACTION: Suspension of PE license for 24 months commencing on 11/01/99 and refrain from practicing electrical and mechanical engineering or architectural building design until he satisfies the Board, by exam and other evidence as the Board reasonably requires, that he is competent to practice in these areas. (In conjunction with Case No. V98-235).

#### **CASE NO. V98-095**

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The Devlan Group, unlicensed  
Kernersville, NC

VIOLATION: Presented or attempted to use the certificate of licensure or seal of another and practiced or offered to practice engineering in violation of G.S. 89C-24 and 55B.

BOARD ACTION: Referred to the Office of the Attorney General for appropriate action.

**CASE NO. V98-096**

Ivan A. Cooper PE 16562  
Charlotte, NC

VIOLATION: Produced a report that failed to contain all relevant and pertinent information because it lacked a clear statement of the assumptions, limitations and recommendations of report, and failed to certify a letter report that contained engineering analysis and recommendations.

BOARD ACTION: Reprimand and civil penalty of \$1000.

**CASE NO. V98-097**

Richard A. Brandon PLS L-3263  
Kannapolis, NC

VIOLATION: Failed to make adequate investigation of record and physical evidence along boundary lines, failed to report and show lappages, and failed to conduct practice in order to protect the public health, safety and welfare by constructing boundary lines contrary to both physical monumentation and deed plat records and substituting "computer modeling" for standardized survey practices.

BOARD ACTION: Reprimand and civil penalty of \$2000. (In conjunction with Case No. V98-124).

**CASE NO. V98-099**

John A. Odom, PLS L-3062  
Swansboro, NC

VIOLATION: Practiced or offered to practice engineering without a license as required by G.S. 89C.

BOARD ACTION: Reprimand and civil penalty of \$500.

**CASE NO. V98-105**

John R. Lenfestey, PE 9294  
Castle Hayne, NC

VIOLATION: Produced a deficient, substandard or inaccurate report, failing to protect the public, failed to comply with state regulations applying to a project to protect the public, failed to properly sign, seal and date document, and performed services outside his area of competence.

BOARD ACTION: Pass spring 2000 exam of Principles

and Practice of Engineering and successfully complete a civil engineering review course. Failure to do so will result in suspension of PE license until he passes exam. No credit toward the mandatory continuing education requirements is allowed for the review course.

**CASE NO. V98-115**

Gulfstream Environmental, Inc. Professional Corporation C-1635  
Wrightsville Beach, NC

VIOLATION: Failed to have a resident licensed professional in responsible charge in each office and gave false evidence in obtaining a certificate of licensure.

BOARD ACTION: Revocation of Certificate of Licensure

**CASE NO. V98-118**

Plant Air Technology, Inc., unlicensed  
Charlotte, NC

VIOLATION: Practiced or offered to practice engineering without licensure as required by G.S. 89C-24.

BOARD ACTION: Referred to Office of the Attorney General for appropriate action.

**CASE NO. V98-122**

Ted Harris, unlicensed  
Winston-Salem, NC

VIOLATION: Practiced or offered to practice engineering without being licensed as required by G.S. 89C.

BOARD ACTION: Referred to the Office of the Attorney General for appropriate action.

**CASE NO. V98-123**

Kenneth V. Matthews, unlicensed  
Winston-Salem, NC

VIOLATION: Practicing or offering to practice engineering without being licensed as required by G.S. 89C.

BOARD ACTION: Referred to the Office of the Attorney General for appropriate action.

**CASE NO. V98-124**

Richard A. Brandon PLS L-3263  
Kannapolis, NC

VIOLATION: Failed to show encroachment of portion  
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of structure and a fence on plat, failed to clearly indicate & note source of lines not actually surveyed, failed to report the results of a survey in a clear and factual manner.

BOARD ACTION: Reprimand and civil penalty of \$2000. (In conjunction with Case No. V98-097. The cases were combined to provide for one action for both matters).

**CASE NO. V98-127**

STS Technologies, LLC, unlicensed Asheville, NC

VIOLATION: Practiced or offered to practice engineering in violation of G.S. 89C-24 and 55B.

BOARD ACTION: Referred to Office of the Attorney General for appropriate action

**CASE NO. V98-136**

Lloyd B. Adams, PLS L-2708 Murphy, NC

VIOLATION: Failed to report the results of a survey in clear and factual manner, failed to properly reference north arrow, failed to report and show gap on a survey, and failed to report and show lappages on a survey.

BOARD ACTION: Successfully complete Section A, B or C of the NC Society of Surveyors Institute as determined by the NC Board by 04/01/00. Three-month suspension if this requirement is not met.

**CASE NO. V98-193**

Innospec Consulting Group, Inc., unlicensed Raleigh, NC

VIOLATION: Practiced or offered to practice engineering in violation of G.S. 89C-24 and 55B.

BOARD ACTION: Referred to Office of the Attorney General for appropriate action

**CASE No. V98-235**

Thomas E. Ramsey, PE 7241 Greensboro, NC

VIOLATION: Affixed his seal to inadequate design documents, failing to protect the public and failed to include his address on a document.

BOARD ACTION: Suspension of PE license for 24 months commencing on 11/01/99 and refrain from practicing electrical and mechanical engineering or architectural building design until he satisfies the Board, by exam and other evidence as the Board reasonably requires, that he is competent to practice these areas. (In conjunction with Case No. V98-092. These cases were combined to provide for one action for both matters).

**CASE NO. V99-007**

James T. Albert PE 18272 Harrisburg, PA

VIOLATION: Failure to comply with annual CPC

requirements.

BOARD ACTION: Refusal to renew until such time as respondent complies with CPC requirements for licensure in NC.

**CASE NO. V99-016**

John L. Caldwell, unlicensed RDU Airport, NC

VIOLATION: Practiced or offered to practice engineering without a license as required by G.S. 89C.

BOARD ACTION: Referred to the Office of the Attorney General for appropriate action.

**CASE NO. V99-030**

Robert K. Russell, PLS L-3386 Greensboro, NC

VIOLATION: Suspension by another jurisdiction and violating G.S. 89C or the Board Rules.

BOARD ACTION: Reprimand and civil penalty of \$500.

**CASE NO. V99-031**

Robert W. Giles, PE 9894 Houston, TX

VIOLATION: Revocation by another jurisdiction and violating G.S. 89C or the Board Rules.

BOARD ACTION: Revocation of PE license.

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engineering discipline by the lead technical society in cooperation with other interested professional engineering groups for final adoption by ABET. In addition to program criteria ABET also evaluates faculty, curricular objective and content, student records, administration, institutional facilities, commitment, and cooperative education criteria. Each of our five engineering schools in NC has a right to be proud of its ABET-accredited program. Our Board is proud of them, too!

**Engineering Educational Institutions**

The most significant of various technical groups who contribute to the work of this Board are the engineering educational institutions in NC. These institutions have the responsibility of establishing and executing instructional programs adequate for persons studying to qualify for licensure as a Professional Engineer. This Board should have a strong working relationship with the engineering educational institutions in NC and the engineering educational institutions should each appoint a liaison from the NC Board of Examiners to heir respective

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Dean's Cabinet or the University's Administrative Board.

Each of our engineering educational institutions in NC should be taking steps to enroll each engineering student in an EI internship program during college. This is the best procedure in first obtaining a PE license and is relatively simple. With an EI program in place at each educational institution, taking the necessary steps to become licensed is less likely to be overlooked by the busy student. Once the basic requirements have been satisfied, the student is eligible to initially apply for the PE license and to take the mandatory fundamentals examination during the senior year.

The EI examination should be a requirement for graduation and used by the university as an assessment tool. Engineering educational institutions need to measure and evaluate the instructional effectiveness of their programs with reference to a recognized national standard. The NCEES examination is particularly significant to this evaluation because it is the only nationally normalized test of upper-level engineering knowledge that is widely available. Our Board is supportive of this position for our five engineering schools in NC and encourages our engineering educators to use the NCEES examination as an assessment tool.

Our Board has a clear statutory responsibility to conduct continuing professional competency programs for licensees and to establish instructional programs for persons studying to qualify for licensure as professionals. In carrying out such programs the Board has the authority and the funds to enter into agreements with public and private engineering educational institutions. Before such programs can be carried out, the Board of Examiners must have representation to the respective engineering Dean's Cabinets or the University's Administrative Boards.

Once this is put into place, all those involved could realize significant benefits:

- The educational institutions could have a means for measuring and improving their instructional effectiveness.
- Offering continuing professional competency programs at NC educational institutions could be more cost effective for licensees.
- The overall protection of public welfare could be enhanced with a higher percentage of engineering students continuing in their professional development to become licensed professional engineers.
- The Board's responsibilities for engineering educational programs could be carried out more easily.

### **NC HISTORICALLY UNDERUTILIZED BUSINESS (HUB) PROGRAM**

On April 20, 1999, Governor Hunt signed Executive Order 150 that is designed to increase the amount of goods and services acquired by the State from businesses owned by HUBs; to ensure the absence of barriers that reduce their participation; and to encourage purchasing officers within State agencies, departments and universities to identify prospective HUB vendors. The order also created the Office of Historically Underutilized Businesses (HUB Office) to serve as an advocate for minority, women and disabled-owned businesses in their efforts to conduct business with the State of North Carolina.

HUBs consist of minority, women and disabled business firms that are at least fifty-one per cent owned and operated by individuals of the aforementioned categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled.

Since the State Property Office contracts for services that you provide, if you determine that you qualify as a HUB based on the information in this announcement and are interested in possibly contracting to perform engineering or surveying work for the State, please contact June W. Michaux of the State Property Office at (919) 733-4346 or Bridget L. Wall of the HUB office at (919) 807-2330.



The Non-Discharge Permitting Unit of the North Carolina Department of Environment and Natural Resources, Division of Water Quality has created a new application form for Pump Stations, Force Mains and Gravity Sewers (PSFMGSA 10/99). Please visit the department's web site at [www.h2o.enr.state.nc.us/ndpu/ndpuhome.html](http://www.h2o.enr.state.nc.us/ndpu/ndpuhome.html) to access this new form, as well as other useful information related to the permitting of non-discharge systems. If you do not have access to the web site, you may call (919) 733-5083, extension 574 to request a copy of the new application.

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**BOARD DIRECTORY  
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