The year 2004 was another exciting year for CCHEST. Among last year’s exciting announcements, two CCHEST programs (OHST and STS) received National Commission for Certifying Agencies (NCCA) accreditation.

CCHEST’s most successful program, the Safety Trained Supervisor (STS), was expanded in August to include general industry. CCHEST now offers the STS-General Industry and STS-Petrochemical examinations. The expansion was in response to requests from other organizations that already use the STS certification to help drive safety further into their organizations. These employers wanted new industry certifications for their workers. More information on the STS program expansion is found on page 8 of this newsletter.

CCHEST celebrates its 20th anniversary in 2005. Today, over 1,200 individuals hold the OHST, over 650 hold the CHST, and more than 1,200 hold the STS designation through CCHEST.

CCHEST’s mission is to establish, maintain, and promote the highest quality certification programs for technologists, technicians, supervisors, and workers engaged in health, safety, and environmental practice.

Formerly known as the BCSP/ABIH Joint Committee, CCHEST became fully operational in the fall of 1986.

CCHEST signed an Alliance Agreement with the Occupational Safety and Health Administration (OSHA) on September 13, 2004 at the National Safety Council’s Congress and Expo. The signing adds CCHEST to the 2003 agreement already in place for the Board of Certified Safety Professionals (BCSP)—one of CCHEST’s parent organizations.

Kenneth Sheffield (2004 CCHEST President), Henry Smahlik (2004 BCSP President), and John Henshaw (then Assistant Secretary or Labor for
In September, CCHEST signed an agreement with OSHA to advance safe and more healthful workplaces. The 2004 presidents of CCHEST and BCSP and OSHA Administrator, John Henshaw, were on hand to sign the addendum at the National Safety Congress. This added CCHEST to the BCSP Alliance launched one year earlier. Details on the agreement are covered on page 1.

In November, CCHEST began offering the Loss Control Specialist (LCS) Examination, a non-certification examination assessing minimum competency in loss control specialist practice for those in the insurance industry. The LCS Examination is an alternative for loss control specialists who do not qualify for the OHST certification. Information about the LCS Examination is found on page 7 in this newsletter.

As you can see, much has happened in 2004. CCHEST continues to grow at a rapid pace. Much of CCHEST’s growth resulted from the STS program. However, the number of new OHST and CHST certificate holders increased in 2004 as well.

CCHEST programs appear to fill a need for validation of knowledge related to safety for those individuals at the technician/technologist and worker levels. Many use CCHEST certifications as stepping stones toward professional responsibility and professional-level certifications. Growth appears to follow efforts to push safety and health deeper into organizations and into company culture. More and more employers are incorporating certification as a leading indicator for their safety programs.

CCHEST celebrates its 20th anniversary this year. The organization has experienced tremendous growth over the past two decades and the Board has great expectations for the future. CCHEST is looking for volunteers for the 2006 Board of Directors. A new Board member will be chosen at the next CCHEST Board meeting in September.

The Board is comprised of a diverse group of individuals (different backgrounds, educations, and responsibilities) all with the same goal – to advance the safety profession at every level.

It has been a privilege serving as CCHEST’s president this year. I have enjoyed my time serving on the CCHEST Board. I didn’t realize that service on a volunteer board could be as fulfilling as it has been. I certainly encourage each of you to consider volunteering. For additional details about volunteering, see page 3.

Remember, you will achieve the level of safety you demonstrate you want!

“Certified Occupational Health and Safety Technologist” examination was the first examination given. Over the next decade, the OHST, CHST and STS programs evolved.

CCHEST programs have held accreditation from the Council of Engineering and Scientific Specialty Boards (CESB) since 1995. In 2003, the National Skill Standards Board (NSSB) recognized CCHEST programs for compliance with its standards for certifications. Just last year, the OHST and STS programs received accreditation from NCCA.

Today, CCHEST continues to work toward the following objectives:

- To strengthen the CCHEST position in the technologist, technician, supervisor, and worker credentialing market through growth.
- To enhance awareness of, recognition of, and respect for CCHEST credentials.
- To continually improve the credentialing process.
- To enhance the financial strength and stability of CCHEST.
- To achieve and maintain the highest level of quality.

Occupational Safety and Health) were on hand at the formal signing.

The agreement covers training and education, outreach and communication, and promoting the national dialogue on workplace safety and health. OSHA, BCSP, and CCHEST will work together on promoting professionalism and the value of certifications, promoting research on the effectiveness of professionalism, and other related activities. A primary objective is to encourage safety and health
practitioners to strive for enhanced knowledge of workplace safety and health programs, processes, and regulations.

**CCHEST SEEKS BOARD VOLUNTEERS**

CCHEST is seeking volunteers for its 2006 Board of Directors. There is one position to fill for 2006. If you are interested in serving as a CCHEST director, please submit a current resume to the CCHEST Executive Director. If you have submitted a resume in the past, it has been retained for consideration and there is no need to resubmit a new one.

Directors serve a maximum of two, three-year terms. CCHEST directors must attend the biannual governance meetings and serve on Board committees. While CCHEST directors serve without pay, they are reimbursed for direct expenses related to CCHEST travel. All directors agree to comply with CCHEST’s fiduciary policy.

Every director nominated or elected by the CCHEST Board, other than the Public Director, must hold a CCHEST certification. CCHEST’s parent organizations (ABIH and BCSP) each fill a position from among their sitting directors (holding a CCHEST certification is not required).

In filling director vacancies, the Board considers which CCHEST certifications are held, leadership experience, having participation from various areas of practice, geographic locations and industries, and other considerations that ensure broad representation.

**CCHEST ELECTS OFFICERS AND A NEW DIRECTOR**

In September 2004, CCHEST’s Board of Directors elected its officers for 2005. Current officers include: Adrian Hertog as President; Robert Ross as Vice President; and Linda Sennett as Secretary/Treasurer. Both the President and Vice President positions are one-year terms while the Secretary/Treasurer serves for two years. All members of the CCHEST Board serve without pay and volunteer their time.

Adrian Hertog is serving his second term on the CCHEST Board. He is the Safety Manager (Kansas Division) for the Burlington Northern Santa Fe Railway and resides in Overland Park, Kansas. Mr. Hertog holds an associate degree in Arts from the University of Minnesota. He has been a professional member of the American Society of Safety Engineers (ASSE) since 1989. Mr. Hertog has served on the CCHEST Board since 2000 as a BCSP-elected director. He obtained the OHST in 1986 and the CSP in 1990.

Rob Ross is serving his first term on the CCHEST Board as an ABIH-elected director. He is a Senior Loss Control Prevention Consultant for Public Risk Management of Florida. Mr. Ross has over 17 years of experience in safety and health, having worked in industrial hygiene, loss control, and environmental safety and health. He holds a B.A. from Western Illinois University and an A.S. from the Community College of the Air Force. Mr. Ross is a professional member of ASSE and is a member of the Southwest Florida Safety Council. He has held the OHST since 1992 and the CSP since 1993. Mr. Ross resides in Fort Myers, Florida.

Linda Sennett is serving her second term on the CCHEST Board. She was elected as a Public Director in 2002. She is currently a Managing Director and Consultant for The Polaris Team in Savannah, GA and Maryville, TN. She holds a Bachelor of Arts degree in Applied Mathematics and Liberal Arts, graduating...
Cum Laude from the University of St. Thomas in Houston, TX. In addition, she holds a J.D. from South Texas College of Law and she is a member of both the Tennessee and Texas Bar Associations. Her professional activities include being an Adjunct Professor of Business Communication at the University of Tennessee. She resides in Maryville, Tennessee.

Also at the September 2004 CCHEST meeting, Kevin Moorhead was elected by CCHEST as a new director.

Kevin Moorhead started his three-year term on January 1, 2005. He has been the Safety Director at The Korte Company for over 12 years. Before joining The Korte Company, Mr. Moorhead worked at Quality Granite Construction. He was in the U.S. Air Force for eight years prior to that. Mr. Moorhead became a CHST in 1995. He resides in Trenton, Illinois.

Thomas Ryan concluded his service on the CCHEST Board in 2004. Mr. Ryan had served on the Board since 1999 and filled the roles of President and Vice President. He holds all three CCHEST certifications and the CSP designation from BCSP. Mr. Ryan is currently the Chair of the Occupational Health & Safety Department at Central Maine Community College in Auburn, Maine. CCHEST would like to thank Tom for his service on the CCHEST Board of Directors.

THE KORTE COMPANY AWARDED WITH CSEA

The Korte Company was awarded the AGC 6th Annual Construction Safety Excellence Award (CSEA) 1st place award in the 300,000 - 700,000 man hour category. This prestigious award recognizes those construction companies that excel at safety performance. CSEA closely examines company commitment to safety and occupational health management and risk controls. This award looks for evidence of company management commitment, active employee participation, safety training, work site hazard identification and controls, and safety program innovations. CCHEST’s newest Board Director, Kevin Moorhead, is the Safety Director for The Korte Company.

CCHEST ATTENDS 2005 INTERSOCIETY FORUM

CCHEST was in attendance at the annual Intersociety Forum in Atlanta on March 3rd. The Forum, hosted by the American Association of Occupational Health Nurses (AAOHN) this year provides a medium for organizations to communicate about the safety and health of workers. The one-day activity brings together presidents and executive directors of safety, health, environment, and ergonomics organizations.

OHST AND CHST RECOGNIZED IN IH TITLE PROTECTION ACT

The Industrial Hygiene Title Protection Act enacted by the General Assembly of Georgia now recognizes Occupational Health and Safety Technologists and Construction Health and Safety Technicians. The new chapter, amended to Title 43 in 2004, provides title protection for OHSTs and CHSTs.

NEW PROMETRIC CONTRACT OFFERS TESTING OUTSIDE THE U.S.

On January 1, 2005, CCHEST’s new contract with Thomson Prometric, part of The Thomson Corporation, went into effect. Thomson Prometric has handled examination delivery service for CCHEST examinations for several years. The new contract allows for delivery of CCHEST examinations at Prometric Testing Centers outside the U.S.

In the future, Thomson Prometric will also offer on-site testing services via the Internet with Thomson Prometric trained and qualified proctors.

SCHOOLS DATABASE

In October 2004, the Board of Certified Safety Professionals added an academic database search to www.bcsp.org. The BCSP Database of Safety and Related Academic Programs in the United States contains over 700 programs at approximately 300 colleges and universities. The database helps those interested in preparing for or advancing in the safety profession to locate academic programs at accredited U.S. schools.

The database lists basic information about academic programs for safety-related fields of study and the schools offering them. It includes undergraduate and graduate certificate programs and associate, bachelor’s, master’s, and doctoral degrees.

The public database is for informational purposes only. BCSP does not recommend or endorse any institution or program listed. The database is updated periodically. For this reason, contact the institution directly for the most current data.

BCSP’s database can be found in The Safety Profession section of the web site at www.bcsp.org.

CCHEST EXAMINATION DEVELOPMENT ACTIVITY PARTICIPANTS

The following CCHEST certificants donated their time and experience to serve the safety profession by participating in a CCHEST examination development activity. Such activities are required for CCHEST’s programs to remain nationally accredited. CCHEST pays the travel
expenses for the professionals selected to serve on these panels.

If you would like to serve the profession and participate in future examination development activities, please contact CCHEST’s Examination Department.

Construction Health and Safety Technician (CHST) Minimum Examination Passing Score Determination Panel
February 17 and 18, 2005
Orlando, Florida

• Dan E. Bergerson, CHST
• James H. Carothers, CHST
• Mirth Deshler, CHST
• Jimmie D. Dunn, CHST
• Gustavo J. Garcia, CSP, CHST
• Charles S. Kosh, CSP, OHST, CHST
• Kevin E. Moorhead, CHST
• Thomas Ryan, CSP, OHST, CHST, STS
• William Wood, Jr., CHST
• John B. Young, OHST, CHST

Thank you to all the CCHEST certificants who participated in examination development activities!

CCHEST ONLINE

In March, the new CCHEST web site was introduced. The new site not only has a new look, but was designed for greater functionality. A certificate holders only section for CCHEST is being developed. In this section, CCHEST will be able to communicate directly and handle CCHEST business transactions with certificate holders and applicants. Until then, the site offers visitors more information about CCHEST and all of its programs and examinations in an easier-to-navigate format.

PROMOTING CCHEST CERTIFICATIONS

Table Top Displays

Table top displays are a great way to promote the OHST, CHST, or STS. A display is available to any certificate holder for use at chapter meetings, regional or local conferences, career fairs, and other safety-related seminars, meetings, and presentations.

CCHEST picks up any shipping costs to and from the event and provides any literature you request at no cost.

If you would like to request a display, contact Heather Murphy (heather@bcsp.org). It is best to contact Ms. Murphy 2-4 weeks prior to an event, as the schedule fills up quickly.

Upcoming Conferences

CCHEST will be exhibiting with BCSP at several national conferences in 2005. Please stop by the BCSP booth to visit CCHEST if you get the opportunity.

• American Society of Safety Engineers Professional Development Conference & Exposition
  Booth 612
  June 12-15, 2005
  New Orleans, LA
• VPPPA Conference
  Booth 709
  August 22-25, 2005
  Dallas, TX
• National Safety Council Congress & Expo
  Booth 1915
  September 21-23, 2005
  Orlando, FL

This will be the first appearance for BCSP and CCHEST at the VPPPA Conference.

During the World Congress on Safety and Health at Work, held back-to-back with the NSC Congress & Expo, CCHEST will be part of a Certification Issues in the Global Safety Community workshop. This workshop takes place on September 21 from 4:00pm to 6:00pm. Topics include:

• Overview of Certification
• Benefits of Certification
• Quality in Certification
• Understanding Job Analysis
• International Issues in Certification
• Collaborative Efforts in Certification

BCSP, ABIH, and ABOHN are also participating in this workshop with CCHEST. Please visit www.nsc.org or contact CCHEST directly for more information.

FRAME YOUR CCHEST CERTIFICATE

Did you know you can purchase a frame specifically made for your CCHEST certificate? CCHEST has partnered with Framing Success to offer certificate holders an official frame for display of their certificate. The unique design allows for easy, do-it-yourself document insertion. The frames contain gold-leaf embossing of the CCHEST name and logo. Framing Success uses only true conservation archival-quality royal blue mat board and certificate holders can choose from seven frame mouldings. Frame prices range from $53 to $108. For more information, visit www.framingsuccess.com or call 800-677-3726.

UNAUTHORIZED USE OF CCHEST CERTIFICATIONS

CCHEST penalizes individuals for unauthorized use of CCHEST certifications. Cases of individuals claiming to hold certification without permission come from a variety of sources, including other CCHEST certificate holders, employers, and membership organizations. CCHEST
pursues those cases in which there is clear evidence of the unauthorized use and the individual has a clear responsibility, control, or knowledge of the use. Evidence may be a business card, resume, letter, web site, or other publication. If there is no clear evidence, CCHEST cannot act on the case. CCHEST challenges the individuals directly or through its attorney and requires a response.

There were three unauthorized use cases in 2004, however no penalties.

**CERTIFICATION MAINTENANCE**

**Unity of CSP, CIH, and OHST/CHST Recertification Programs**

At the CCHEST Board Meeting in March, the harmonization of several recertification programs was approved. This includes the recertification programs for CSPs, CIHs, OHSTs, and CHSTs. For those OHSTs and CHSTs who also hold the CSP or CIH designation, CCHEST now accepts compliance with CSP and CIH’s Certification Maintenance recertification requirements as sufficient to comply with OHST/CHST CM requirements—based on proof of compliance issued by BCSP or ABIH.

Affected OHST/CHST CM cycles will be aligned to the CSP or CIH cycle end date for those holding either certification. Because a CM cycle spans five years, the harmonization of recertification programs will take five years to phase in. OHSTs and CHSTs will be notified when their CM cycle is due.

OHST and CHST certificate holders should note that the harmonization of recertification programs does not relieve them from meeting any CM requirements.

**New CM Opportunities**

At the CCHEST Board Meeting in March, the Board also approved the following opportunities for certificate holders to gain CM credit.

**Category 10. Re-examination**

Under Category 10, OHSTs and CHSTs can now claim CM credit for passing the following examination:

- Certified Associate Industrial Hygienist (CAIH)
  20 CM points per year

**A Refresher on Dual Certifications**

Certificate holders who hold dual certification (both the OHST and CHST) report when the CM cycle ends for the first of the two certifications held. After reporting for the first of the two cycles, both of the certifications will have the same reporting date in the future. With the first CM worksheet covering both certifications, the CM cycles for each certification are aligned and a new five-year CM cycle begins. A single CM worksheet covers both of the certifications and points required for one covers both. Certificate holders with both certifications do not have to double the number of CM points required. Certificate holders lose both certifications if they do not comply with CM requirements.

To reinstate both the OHST and CHST, certificate holders must pass the examination for the certification that was first earned. They must also pay a reinstatement fee and any delinquent annual renewal fees.

**Write Questions for CM Credit**

OHSTs and CHSTs can earn CM points for writing questions or “items” for CCHEST. CCHEST certifications are developed from the knowledge and experience of safety practitioners in practice. These practitioners are content experts for examinations.

CCHEST needs draft items in all subject and task areas and for all three examinations. OHSTs and CHSTs can earn 1 CM point for five acceptable stand-alone examination items. Examination item development is an efficient and inexpensive way to maintain certification. There is no limit to the number of points you can obtain through item development.

OHSTs and CHSTs can also earn 1 CM point for writing five stand-alone items for other nationally accredited certifications.

CCHEST’s Manual for Writing Examination Items is designed to assist OHSTs and CHSTs develop items. It is available on the Downloads page at www.cchest.org in PDF or obtainable by contacting the CCHEST Examination Department. It contains complete instructions and the necessary forms for preparing draft examination items.

**EARN CM POINTS**

**WRITE EXAMINATION ITEMS**

- No cost
- Quick and convenient
- Complete instructions provided
- No previous question-writing experience required
Certificate Programs Earning OHST Credit Continue to Expand

A number of academic and private certificate training programs have applied to CCHEST for recognition for OHST waiver of experience credit. The list of programs currently includes:

- **Eastern Iowa Community College District**—Environmental Compliance and Technology Certificate (3/4 yr)
- **Eastern Michigan University**—Specialist Certificate in Industrial Health and Safety (1/4 yr), Specialist Certificate in Construction Health and Safety (1/4 yr)
- **Lakeshore Technical College**—Industrial Health and Safety, Advanced Technical Certificate (1/2 yr)
- **Las Positas College**—Certificate of Completion in Occupational Safety and Health (1/2 yr)
- **Northern Illinois University**—Construction Safety Coordinator Certificate (1/4 yr), Construction Safety Manager Certificate (1/2 yr)
- **Texas Engineering Extension Service (TEEX)**—Certified Safety and Health Official, General Industry (1/2 yr), Certified Safety and Health Official, Construction (1/2 yr)
- **University of Washington, OSHA Region X Training Institute Education Center**—Safety and Health Specialist Certificate Program (1/4 yr)

CHST NEWS

CHST Examination Changing on July 1

The CHST examination will change on July 1, 2005. These changes are the result of a comprehensive validation study that was completed in 2004. This study ensures the CHST examination subject material is relevant to current practice and is a requirement of CESB and other accreditations.

The new CHST examination, resulting from the validation study, will reflect what CHSTs currently do in practice and the knowledge and skills CHSTs need to carry out their responsibilities. The newer structure will also include domains of practice and tasks.

The new CHST examination remains a 200 multiple-choice item, computer-delivered examination. The blueprint changes do not alter the qualifications that candidates must meet to be eligible for the CHST. The technical report outlining the changes is accessible on the Downloads page at [www.cchest.org](http://www.cchest.org).

Candidates who purchase an examination before July 1 will take the old CHST examination. Candidates who purchase an examination on or after July 1, will take the examination based on the new blueprint.

Complete information on the examination change can be found in *Updating the CHST to Reflect Modern Construction Safety and Health Practice*. This PDF is located on the Downloads page at [www.cchest.org](http://www.cchest.org).

OHST NEWS

Demonstrating Loss Control Specialist Knowledge

There are two ways those involved in entry level and intermediate responsibilities in loss control can demonstrate basic competencies. One is through use of the OHST certification. OHST candidates demonstrate competency by qualifying through education and experience, taking and passing the OHST examination, and therefore earning the OHST certification.

The other way is by passing the Loss Control Specialist (LCS) Examination that is now available through CCHEST. The **LCS Examination is not a certification and there are no qualifications to take it.** It is an alternate starting point for loss control specialists who want to demonstrate their knowledge of loss control. Those who have passed the LCS Examination can convert over to the OHST after they have gained sufficient experience. CCHEST issues a transcript to any third-party (e.g., employer, state insurance board, agency regulating insurance practices) to verify that someone has passed the LCS Examination.

Because the OHST examination covers the same knowledge as the LCS Examination, both examination results are accepted as demonstrating basic competency in loss control specialist practice.

For additional details on the OHST certification and the LCS Examination processes, visit [www.cchest.org](http://www.cchest.org).
CHST TO PURSUE NCCA ACCREDITATION

CCHEST is currently pursuing NCCA accreditation for the CHST certification. Once achieved, this will bring all CCHEST certifications under NCCA accreditation and achieve their third recognition or accreditation under third-party standards. Last year, the OHST and STS certifications received NCCA accreditation through 2009.

STS NEWS

All STS Examinations in Use

The STS certification expanded to include general industry late last year. A general industry examination is now available. A version of the general industry examination for the petro-chemical industry is also in use. All examinations lead to the Safety Trained Supervisor certification. In the future, CCHEST may add other industry-specific versions of the STS examination.

The STS program is intended for supervisors and managers at all levels who have a safety and health responsibility. To qualify, a candidate must have completed at least 30 hours of training in safety and health and meet general work experience and supervisory experience requirements.

In developing these examinations, CCHEST conducted studies to establish the safety and health tasks that supervisors/managers perform and the knowledge and skills needed in order to effectively oversee the basic safety and health of a work group. The study results defined what should be covered on an examination for this role in ensuring worker safety and health. These technical reports are available on the Downloads page at www.cchest.org.

Most employers using the STS program oversee the safety and health training of their own potential candidates.

CCHEST Recognizes STS Sponsoring Organizations

CCHEST awarded participation plaques and certificates to employers using the STS certification during 2004. These plaques and certificates recognize the number of people achieving the certification during the year.

There were six new STS sponsors in 2004:

• American Piping and Boiler
• Atlantic Plant Maintenance
• DZS/Baker
• Lyz Inc.
• West Coast Construction
• Willsbros Mt. West

The following companies continue to participate in the sponsorship program:

• Alan Shintani, Inc.
• Bechtel Group
• CH2M Hill
• Dick Pacific
• Environmental Chemical Corp.
• Healy Tibbits
• Klondyke
• Kvaerner Songer
• Nan Inc.
• Nova Group
• RCI Construction
• Rust
• Swinteron Builders
• Veco
• Washington Group

Also, STS certificate holders will now be able to gain credit for teaching safety and health courses in addition to attending them. These recertification changes were first outlined in the 2004 CCHEST Newsletter and are located on the Downloads page at www.cchest.org.

VISION

CCHEST is recognized as the leader in high-quality, third-party accredited health, safety, and environmental credentialing for technologists, technicians, supervisors, and workers.

MISSION

CCHEST establishes, maintains, and promotes the highest quality certification programs for health, safety, and environment related to technologists, technicians, supervisors, and workers.

CORE VALUES

• Ethics
• Excellence
• Organizational well-being
• Respect for people
• Relationship with parent organizations

STRATEGIC GOALS

• Growth
• Communication
• Quality
• Continuous improvement
• Financial stability

STS Recertification

As a reminder, the recertification cycle for STS certificate holders has been expanded from three to five years. The recertification cycle is calculated from January 1 of the first full year following the date the STS examination is passed and ends on December 31st of the following year.
Current Certificate Holders

The table below lists the number of certificate holders in each CCHEST certification at the end of 2004.

<table>
<thead>
<tr>
<th>Certification</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>OHST</td>
<td>1,187</td>
</tr>
<tr>
<td>CHST</td>
<td>651</td>
</tr>
<tr>
<td>STS</td>
<td>1,121</td>
</tr>
</tbody>
</table>

New Certificate Holders

During 2004, CCHEST awarded new certifications in each program as follows:

<table>
<thead>
<tr>
<th>Certification</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>OHST</td>
<td>45</td>
</tr>
<tr>
<td>CHST</td>
<td>48</td>
</tr>
<tr>
<td>STS</td>
<td>573</td>
</tr>
</tbody>
</table>

Examinations

Examination results and statistics for the OHST, CHST, and STS examinations during 2004 are summarized as follows:

**OHST Examination**

- Number of Candidates (All Forms): 135
- Mean Score (All Forms): 64.6%
- Candidate Passing Rate (All Forms): 68.2%

- Form 1 Standard Deviation: 15.3
- Form 1 Standard Error of Measurement: 6.1
- Form 1 Internal Reliability [KR(20)]: 0.84
- Form 1 Decision Consistency [$K^2_{(a,b)}$]: 0.98

- Form 2 Standard Deviation: 16.0
- Form 2 Standard Error of Measurement: 6.1
- Form 2 Internal Reliability [KR(20)]: 0.85
- Form 2 Decision Consistency [$K^2_{(a,b)}$]: 0.91

**CHST Examination**

- Number of Candidates (All Forms): 157
- Mean Score (All Forms): 73.1%
- Candidate Passing Rate (All Forms): 81.5%

- Form 1 Standard Deviation: 14.1
- Form 1 Standard Error of Measurement: 5.6
- Form 1 Internal Reliability [KR(20)]: 0.84
- Form 1 Decision Consistency [$K^2_{(a,b)}$]: 0.91

**STS-Construction Examination**

- Number of Candidates (All Forms): 443
- Mean Score (All Forms): 88.4%
- Candidate Passing Rate (All Forms): 86.9%

- Form 1 Standard Deviation: 7.1
- Form 1 Standard Error of Measurement: 3.5
- Form 1 Internal Reliability [KR(20)]: 0.76
- Form 1 Decision Consistency [$K^2_{(a,b)}$]: 0.88

**STS-General Industry Examination**

- Number of Candidates (All Forms): 63
- Mean Score (All Forms): 78.6%
- Candidate Passing Rate (All Forms): 100%

- Form 1 Standard Deviation: 5.1
- Form 1 Standard Error of Measurement: 3.3
- Form 1 Internal Reliability [KR(20)]: 0.63
- Form 1 Decision Consistency [$K^2_{(a,b)}$]: 0.94

Certification Maintenance

175 OHSTs and 28 CHSTs completed their five-year Certification Maintenance cycle in 2004 and were required to complete a report of recertification activities in order to retain their certification. Of those, 179 submitted reports and a portion were selected for an audit to demonstrate proof that the points claimed were actually earned. All certificants selected for audit were able to document their activities.

Based on a sample of submitted reports, the average person earned 29.9 points compared to the 20 required for a five-year cycle.

Most points came from Category 1 (Safety and Health Practice) and Category 7 (Continuing Education Courses).

The average number of points earned from each category of activity and the percent of those participating are listed in the following table.

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
<th>Participation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S&amp;H Practice</td>
<td>9.2</td>
<td>96%</td>
</tr>
<tr>
<td>2. Memberships</td>
<td>3.5</td>
<td>77%</td>
</tr>
<tr>
<td>3. Committees &amp; Offices</td>
<td>0.7</td>
<td>25%</td>
</tr>
<tr>
<td>4. Publications &amp; Papers</td>
<td>0.1</td>
<td>6%</td>
</tr>
<tr>
<td>5. Exam Questions</td>
<td>0.0</td>
<td>0%</td>
</tr>
<tr>
<td>6. Conferences</td>
<td>2.7</td>
<td>58%</td>
</tr>
<tr>
<td>7. Continuing Education</td>
<td>5.8</td>
<td>64%</td>
</tr>
<tr>
<td>8. College &amp; University Courses</td>
<td>2.3</td>
<td>13%</td>
</tr>
<tr>
<td>9. Advanced Degree</td>
<td>2.8</td>
<td>14%</td>
</tr>
<tr>
<td>10. Certifications &amp; Re-examination</td>
<td>2.6</td>
<td>12%</td>
</tr>
</tbody>
</table>
AUDITED FINANCIAL REPORT

For the eighth consecutive year, CCHEST completed the year with a net revenue. The net revenue goes toward a reserve fund. The CCHEST goal is to have a reserve fund equal to at least one year’s operating budget. The reserve fund is also needed to pay for special projects, such as periodic validation studies.

While all three CCHEST programs exceeded the budgeted revenue, the STS program did exceptionally well in 2004. The STS continues to grow and is demanded by more and more employers.

The accounting firm of McGladrery & Pullen, LLP, issued an unqualified opinion on the financial statements of CCHEST. Condensed financial statements appear on pages 10-11.
### Council on Certification of Health, Environmental and Safety Technologists (A Joint Venture)

#### Statements of Revenue and Expenses and Changes in Net Assets

<table>
<thead>
<tr>
<th>Years Ended December 31, 2004 and 2003</th>
<th>2004</th>
<th>2003</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Renewal fees</td>
<td>$172,144</td>
<td>$159,243</td>
</tr>
<tr>
<td>Examination fees</td>
<td>163,828</td>
<td>120,680</td>
</tr>
<tr>
<td>Application fees</td>
<td>87,445</td>
<td>57,645</td>
</tr>
<tr>
<td>Interest and other</td>
<td>1,746</td>
<td>2,638</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>424,253</td>
<td>340,415</td>
</tr>
</tbody>
</table>

**Expenses:**
- Management fees - BCSP: 187,048
- Examination expense: 73,979
- Travel: 36,599
- Revalidation expense: 36,599
- Data processing: 28,393
- Printing supplies: 23,054
- Postage: 13,043
- Bank charge: 9,830
- Legal and accounting: 9,837
- Insurance: 4,234
- Marketing: 3,210
- Amortization: 3,073
- Office supplies: 202
- Consultant fee: 190
- Exam maintenance: 136
- Telephone: -
- Miscellaneous: 3,590

**Increase in unrestricted net assets:** 10,606

**Net unrestricted assets at beginning of year:** 161,826

**Net unrestricted assets at end of year:** $171,932

See Notes to Financial Statements.

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### Council on Certification of Health, Environmental and Safety Technologists (A Joint Venture)

#### Statements of Cash Flows

<table>
<thead>
<tr>
<th>Years Ended December 31, 2004 and 2003</th>
<th>2004</th>
<th>2003</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cash Flows from Operating Activities:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase in unrestricted net assets</td>
<td>$10,006</td>
<td>$42,624</td>
</tr>
<tr>
<td>Adjustments to reconcile increase in unrestricted net assets to net cash provided by operating activities: Amortization</td>
<td>3,073</td>
<td>131</td>
</tr>
<tr>
<td>Change in assets and liabilities:</td>
<td>1,176</td>
<td>228</td>
</tr>
<tr>
<td>(Increase) decrease in:</td>
<td>566</td>
<td>3,233</td>
</tr>
<tr>
<td>Prepaid expenses</td>
<td>43,034</td>
<td>31,196</td>
</tr>
<tr>
<td>Other</td>
<td>29,462</td>
<td>(7,408)</td>
</tr>
<tr>
<td>Net cash provided by operating activities</td>
<td>87,397</td>
<td>73,934</td>
</tr>
<tr>
<td><strong>Cash Flows from Investing Activities:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proceeds from the maturity of certificate of deposit</td>
<td>-</td>
<td>100,000</td>
</tr>
<tr>
<td>Capitalization of exam development cost</td>
<td>(27,378)</td>
<td>(34,960)</td>
</tr>
<tr>
<td>Net cash provided by (used in) investment activities</td>
<td>(27,378)</td>
<td>65,920</td>
</tr>
<tr>
<td><strong>Increase in cash</strong></td>
<td>59,929</td>
<td>139,854</td>
</tr>
<tr>
<td><strong>Cash:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beginning</td>
<td>379,184</td>
<td>239,260</td>
</tr>
<tr>
<td>Ending</td>
<td>$439,023</td>
<td>$379,104</td>
</tr>
</tbody>
</table>

See Notes to Financial Statements.