



POTOMAC SECTION NEWS



NEWSLETTER OF THE POTOMAC SECTION OF THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION January 2004

Note: URL for our web page: www.aiha.org/LocalSections/html/potche/homepage.htm
or www.aiha.org/potomac.htm

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Announcements, Postings, Comments for the Newsletter should be sent to Mary Anne Chillingworth at mchillingworth@starconsultants.net

The Potomac Section of the American Industrial Hygiene Association presents

Special Event

Tour of Blue Plains Wastewater Treatment Plant

DC WASA, 5000 Overlook Ave, SW, Washington

Wednesday April 21 at 11:30

Preliminary Lunch Meeting
At The Great American Buffet

5902 Richmond Highway
703 329-1555



Directions

Take the Beltway Route 95/495 to Alexandria Exit 17
South on Route 1 towards Ft. Belvoir

Take Route 1, south, towards Ft. Belvoir. The Great American Buffet stands alone and is located almost immediately on your right hand side at the first traffic light (next to a car dealership).

12:30 Bus leaves for Blue Plains

Don't want to mix lunch and wastewater treatment?

Meet at Blue Plains at 12:40 Directions attached

1:00 to 3:00 Tour Blue Plains Wastewater Treatment Plant

Lunch cost \$15; possible cost \$10 for bus.

To Reserve a spot, Contact Mark Geiger

Fax 703 602 4786 or Call 703 602 1422 or

email Mark.Geiger1@navy.mil by April 14th

SECTION NEWS:

This month's meeting is being held in the afternoon of April 21, instead of our usual dinner meeting time. Many thanks to Sorin Schwartz and Mark Geiger for organizing this tour!

Directions to Blue Plains WWTP

(For those not meeting beforehand for lunch)

From the Beltway (Alexandria or PG County)
Take the Beltway Route 95/495 (East side of DC) to First Maryland Exit (Exit 1)

Take 295 North towards Washington, DC.

Take exit 1 (first exit) for Blue Plains and Naval Research Laboratory

At the traffic light make a left onto Overlook Avenue. The entrance to the plant will be immediately on the right. (If you go too far you will end up back on 295). Stop at the Security Gate. You will have to park and enter the security office to receive a visitor's pass.

From Washington, DC and points North

Take 295 South

Take exit 1 for Naval Research Laboratory and Blue Plains Wastewater Treatment Plant.

Continue straight on this road (Overlook Avenue) and follow the signs to Blue Plains. You will go through 3 traffic lights.

Immediately after the third traffic light (Naval Research Lab entrance) you will see the entrance to the plant. (If you go too far you will end up back on the entrance ramp for 295). Stop at the Security Gate. You will have to park and enter the security office to receive a visitor's pass.

FUTURE POTOMAC SECTION MEETINGS

The Visit to the Blue Plains Wastewater Treatment plant is the last organized event of the Potomac Section this spring. September will re-start our regular third Wednesday dinner meetings, unless otherwise indicated. We are planning the activities for 2004/05 and invite your suggestions for speakers and restaurants. Send your ideas to Vic D'Amato at damato@maximaz.com or (571) 203-7766 x109.

May 8-13, 2003: American Industrial Hygiene Associate Conference and Exposition Atlanta, GA

Please visit your Section web page and web links for more details:

www.aiha.org/LocalSections/html/potche/homepage.htm

Nominations Requested for Local Section Awards- Industrial Hygienist of the Year

The recognition of one's peers is often a critical factor in continued pursuit of excellence. The accomplishments of others in the field often provides a model follow in rising above the daily challenges to make a long term difference.

The Potomac Section of the AIHA is now accepting nominations for the Chapter's 2003-2004 Industrial Hygienist of the Year (IHY) award. Those interested in nominating someone or nominating themselves need to ensure the nominee meets the basic criteria below of:

- Being a Professional Member or Member of the Society
- Being engaged in full time employment in the broad profession of occupational safety and health
- Not having received this award in the last five years
- Being an active, dues-paying member of the Potomac Section.

The award is based on the nominee's **past five (5) years activities only**. Detailed award criteria are available at the web link*. A nomination form is on the last page of this newsletter.

Your input will be most appreciated. It can inspire both the recipient(s) and their colleagues pursuing a challenging field that is often not fully recognized for its role in advancing the health, well-being and quality of life for working people.

Please rise above the daily email and send responses to Mark Geiger at Mark.Geiger1@navy.mil or any member of the executive committee, (see the cover of this newsletter for contact information) by June 1. For questions, suggestions and further information, please contact him at 703 604-1422.

HS SCIENCE FAIR WINNERS

AIHA Potomac Section volunteer judges worked and enjoyed local high school science fairs. Sherryl Schultz reports on some things learned at the Prince William County Science Fair:

- 1- Lysol with Clorox does a better job at killing germs on hall passes than Fantastic or Windex;
- 2- Rock does not make an adequate substitute for wire in an electric power transmission system;
- 3- If you put a rubber band around the male fiddler crab's large claw, he will develop a flashy dance and loud creaking sound to attract female fiddler crabs;
- 4- Cloth made from a corn-based fiber has improved characteristics over cotton, wool and other common textiles;
- 5- Today's young scientists are bright and fun and appreciate our interest in their development.

"When you get a chance to visit or judge a local science fair - take it! It is a wonderful way to spend a Saturday morning."

Warren Friedman reported on AIHA Potomac HA Science Fair winners in Arlington, VA:

Honorable Mention (alphabetical order):
David Gibbs - Assessing the results of computer modeling of alternative strategies of administering vaccines to combat epidemics.
Jordan Gibson - Assessing the performance of thermochemiluminescence devices as environmental sensors under various conditions.

Second Place:

Raha Yazdi - Designing and implementing field monitoring of household environmental pollution: a case study addressing carbon monoxide.

First Place:

Holly Wright - Designing and implementing an assessment of test systems for modeling human absorption of electrical energy emitted by cell phones.

OTHER UPCOMING EVENTS:

Environmental & Occupational Health Seminar Series

LOCATION: George Washington University Medical Center, Ross Hall- Library – Himmelfarb Conference Room 202,
2300 Eye St. NW
Washington DC

Wednesdays (4:30 PM – 5:30 PM) *All are welcome!*

Introduction to Health and Safety in Museums

If you are seeking graduate training in applied safety and health, this is the summer course for you!! The course is jointly offered by George Washington University every other year for health and safety professionals, as well as museum staff and students, with Columbian College AND/OR School of Public Health & Health Services credit.

Credit Hours: 2-PubH, 3- MSTD (students who register through MSTD will complete an additional research project with one of the course directors)

Prerequisites: None (PubH 221 is recommended but not required for MSTD students)

Course Dates: Summer Session I, 2004 (19 May – 2 July 2004)

Time: Tuesday and Thursday evenings 6:10-8:20 pm

Registration: Registration begins in Spring, 2004. Registration information will be available at www.gwu.edu. In the interim, please contact one of the course directors (see below) for information.

Location: TBA in Ross Hall, GW Campus (2 off-site classes, one at a local museum and one at the Smithsonian's Museum Support Center in Silver Hill, MD)

Required Text: McCann, Michael. 1992. Artist Beware. 2nd edition. The Lyons Press, New York. Other readings as assigned.

Course Directors: David Goldsmith (PubH) eohtdfg@gwumc.edu
Catharine Hawks (MSTD) cahawks@aol.com

Methods of Instruction: Lectures, visits to Smithsonian and other museum facilities, Web quizzes, term paper/presentation

Environmental & Occupational Health

PubH 221, "Environmental & Occupational Health" will meet on Mondays and Wednesdays. The first class meeting will be Wednesday May 19 from 4:00 to 6:00pm, room TBA, Ross Hall, GWU. Contact Prof. David F. Goldsmith, MSPH, PhD ehdfg@gwumc.edu

Chesapeake ASSE Golf Tournament

The fourth annual "Playing for the Future" scholarship fund is scheduled for Wednesday, May 19, 2004 at 1 pm at the Wakefield Valley Golf and Conference Center in Westminster, MD. For information and registration, call Rush Barnett at 410/684-3327 or visit www.chesapeakeasse.org/events.

CHESAPEAKE AREA BIOLOGICAL SAFETY ASSOCIATION SYMPOSIUM

Scientific Symposium of the Chesapeake Area Biological Safety Association (ChABSA) to be held Thursday, June 17th, 2004, at Riderwood Village, Silver Spring, MD (just off Powder Mill Road exit of I-95). Check out their web site for details: <http://www.chabsa.org>

Hearing Conservation Course

April 14-16, 2004: Occupational Hearing Conservation Course for initial certification or recertification under the Council for Accreditation in Occupational Hearing Conservation (CAOHC). Sponsored by Washington Occupational Health Associates, Inc.

To register or info, contact: Pavitra Srinivasan
Washington Occupational Health Associates, Inc.
1120 19th Street, Suite 410
Washington, DC 20036
p. 800-777-WOHA f. 800-865-6525
email: psrinivasan@woha.com

Maryland Safety, Health, and Environment Conference and Exposition

Wednesday, April 28, 2004 at Martin's West, Baltimore

This annual event features three concurrent sessions on topics such as safety committees,

MOSH Partnerships, workplace substance abuse, outdoor dangers, hazard communication, ergonomics, electrical safety, multicultural workplaces, preventative maintenance, and driving. The exposition will have 30 exhibitors. CM points available. Call 1-800/875-4770 for information or visit www.safemd.org

Maryland Safety Council

The Safety Council of Maryland offers courses throughout the year. Best known for their driver training classes, the Council offers a wide range of training opportunities, mostly in the Baltimore area. Call 1-800/875-4770 or check the website <http://www.safemd.org/> for information. A few upcoming classes include:

- ❖ **National Safety Council Supervisor's Development Program**
April 14-16, 2004 - Ocean City, MD
October 6-8, 2004 - Baltimore, MD
- ❖ **OSHA 10- and 30-Hour General Industry**
May 3-4, 2004; 8:30-4:00
- ❖ **Scaffold Train the Trainer**
May 5-7, 2004
- ❖ **Defensive Driving Instructor**
May 12-14, 2004
- ❖ **Safety Inspections**
May 18, 2004
- ❖ **Confined Spaces and Fire Protection**
May 20, 2004
- ❖ **Lab Safety**
June 3, 2004
- ❖ **OSHA 3045 - Electrical Standards**
June 8-10, 2004

NSC Advanced Safety Certificate Courses:

- ❖ Safety Training Methods, April 19-23
- ❖ Fundamentals of Industrial Hygiene, May 10-14, Ocean City, MD
- ❖ Safety Management Techniques, May 3-7, Ocean City, MD

Long Working Hours, Safety, and Health: Toward a National Research Agenda

National Conference April 29 and 30, 2004
Baltimore, Maryland
Register Now!

Your attendance at this innovative conference will give you the opportunity to participate in creating a cutting edge research agenda that promises to guide the work in this field for years to come. Using a multi-disciplinary approach, sociological, economic, and health dimensions of long work hours will be explored. You will understand the

impact long working hours is having on occupational safety, health, and well-being and learn about current and emerging interventions in this field.

Registration Fees: Regular Price \$180
Student Price \$ 50 (copy of student ID must accompany registration)
Late and on-site registration \$225 (after April 16, 2004)

Location

University of Maryland School of Nursing
Baltimore, Maryland

Sponsors

University of Maryland
National Institute for Occupational Safety and Health (NIOSH)
United States Department of Justice

For additional information and to register:
<http://www.nursing.umaryland.edu/longworkhours>
or Kathleen McPhaul
mcphaul@SON.UMARYLAND.EDU
www.nursing.umaryland.edu/longworkhours

FYI:

Virginia House Bills Update

Representative Drake's proposed bill on "Professional and Occupational Regulation" (2004 VA H 462) that relates to the Department of Professional and Occupational Regulation; Board for Asbestos, Lead and Home Inspector; summary suspension of licenses was signed by the Governor on March 15, 2004. Reference: Acts of Assembly, Chapter No. 133

Revised ANSI/ASSE Z244.1-2003 Standard Control of Hazardous Energy - Lockout/Tagout And Alternative Methods: April 14, 2004

Recognized by OSHA and in private sector materials, the **Z244.1 Standard** is a significant standard used by many, if not most, SH&E professionals as a resource for addressing control of hazardous energy and lockout/tagout. The scope and purpose of the standard is to establish requirements for the control of hazardous energy associated with machines, equipment, or processes that could cause injury to personnel.

The purpose of this standard is to establish requirements and performance objectives for procedures, techniques, designs and methods that protect personnel where injury can occur as a result of the unexpected release of hazardous energy. Unexpected release of hazardous energy can include any unintended motion, energization, start-up or release of stored energy, deliberate or otherwise, from the perspective of the person(s) at risk. ASSE placed the Table of Contents on the Z244 website and you can view the table at:

<http://www.asse.org/Z244toc.htm>

AIHA President Testifies Before Senate Subcommittee on Material Safety Data Sheets

FAIRFAX, VA (March 26, 2004) -- Tom Grumbles, president of the American Industrial Hygiene Association (AIHA), testified March 25 before the Senate Committee on Health, Education, Labor, and Pensions Subcommittee on Employment, Safety, and Training on ways to improve worker safety through hazard communication and Material Safety Data Sheets (MSDSs).

U.S. Sen. Mike Enzi (R-WY), chairman of the subcommittee, invited Grumbles among others to testify at the hearing. Enzi said he is concerned about the risks posed by inaccurate or incomplete MSDSs and called the hearing to explore how MSDS accuracy, clarity, and accessibility can be improved.

In his testimony, Grumbles outlined important factors that should be addressed to ensure valuable information is provided to those who utilize MSDSs to anticipate, recognize, evaluate, and control workplace exposures and for those that prepare MSDSs.

"AIHA shares the concerns that inaccurate, incomplete, and outdated MSDSs can increase risks of illness and injury arising from the handling, storage, transportation, and use of hazardous chemicals. As a result, actions must be taken to improve the process, improve the competency of MSDS writers, and provide consistent MSDS guidelines and standards that all occupational health and safety professionals follow," said Grumbles.

Grumbles feels it is not clear that additional regulation will improve the accuracy and quality of MSDSs; however, if the conclusion is drawn that additional regulatory action is needed, full

consideration must be given to the Globally Harmonized System. We are now in a truly "global economy" where international cooperation and harmonization is required. If MSDSs are to remain a valuable tool in the protection of workers and others, all industrialized countries must work together to see that they contain the most reliable, consistent, and accurate data available.

Grumbles also addressed issues regarding the competency of MSDS writers. The quality, accuracy, and usefulness of MSDSs can be improved by increasing the competency of MSDS authors and the development of appropriate and practical guidelines on the preparation and maintenance of MSDSs.

"Alliances and partnerships between regulators, professional organizations, universities, educators, and the regulated community to develop best practices and metrics would serve to improve the current situation," said Grumbles.

Because this issue has a significant impact on small businesses, Grumbles also recommended that small businesses receive outreach assistance on MSDS and hazard communication.

Tom Grumbles is a certified industrial hygienist and has been involved in occupational health and safety for nearly 30 years. He works with Sasol North America Inc., as manager of product safety and occupational health.

If you have any questions regarding Tom Grumbles' testimony to the Senate Committee on Health, Education, Labor, and Pensions Subcommittee on Employment, Safety, and Training, or would like a copy of his remarks, please contact Rachel Parsons at (703) 846-0740 or rparsons@aiha.org.

CAREER OPPORTUNITIES

Post your job openings in this newsletter to reach local industrial hygienists. Send your announcement to mchillingworth@msn.com before the end of the month for publication in the next month's newsletter. The goal of this listing is to help members find the best opportunities locally.

Senior Certified ES&H Specialists

Computer Science Corporation (CSC) is currently looking for full time Senior Certified ES&H

Specialists. Requires comprehensive knowledge of Federal,/State/Local Environmental, Safety and Health (ES&H) regulations, and directives incorporating the key ES&H elements: CBRN agents, Emergency Response and Evacuation Planning, Indoor Air Quality Monitoring, and OSHA training. Knowledge of Federal/State/Local Environmental, Safety and Health regulations and DoD implementation thereof.

Experience and Expertise in the following areas is required:

- * Familiarity with Chemical, Biological, and Radiological Agents (both military and commercial), their toxicological effects, dispersal characteristics within structures and in open spaces, methods to control them in various environments and effective detection devices
- * Preparation of Emergency Response and Evaluation Plans
- * Preparing Health and Safety Plans in compliance with OSHA Regulations
- * Preparing Environmental Compliance Plans
- * Conducting Indoor Air Quality Assessments
- * Conducting OSHA Training relating to toxic materials
- * Conducting Phase I, II and III Environmental Site Assessments
- * Familiarity with CERCLA and RCRA Part B Permitting
- * Preparation of Remediation Plans and
- * Familiarity with litigation support preparation.

Excellent customer communication/interaction and presentation skills to various technical and non-technical audiences are required. Written skills must demonstrate the ability to accurately describe technical processes/requirements in a logical and grammatically manner.

Active or Recently active Secret Clearance within the last two is preferred. US citizen qualified for secret clearance are also encouraged to apply. Current OSHA 40 hours training certificate required. Willing to travel. Position is located in metro Washington DC area.

Please forward resume to the attention of Rao Tadavarthy (e-mail address: rao.tadavarthy-contractor@mda.osd.mil <<mailto:rao.tadavarthy-contractor@mda.osd.mil>>

System Safety Engineer

Computer Science Corporation (CSC) is currently looking for full time System Safety Engineer to develop safety requirements and policies, provide safety oversight, and develop a safety metric program for a variety of missile defense projects. Requires comprehensive knowledge of safety concepts and standards gained through a combination of education and experience with missile/space launch vehicle development, testing, launch operations, and ground support equipment. Requires experience in conducting independent and complex analyses to evaluate system design,

accident risk factors, and hazardous energy sources and recommending major abatement or mitigation actions to prevent or correct safety hazards. In particular, a comprehensive knowledge of standards regarding missile flight analysis and/or mission flight control is a plus. Experience in applying missile flight analysis and/or mission flight control standards in practice for a variety of mission scenarios at a variety of ranges is highly desirable. Knowledge or wide-ranging experience with space vehicle hardware, launch vehicle hardware, range and operational safety, ground system hardware, radar hardware, telemetry systems, and sensor hardware is desirable.

Excellent customer communication/interaction and presentation skills to various technical and non-technical audiences are required. Written skills must demonstrate the ability to accurately describe technical processes/requirements in a

logical and grammatically correct manner.

BS in Engineering or major science (i.e., math or physics). 7 or more years of directly related safety engineering experience involving system and facility safety engineering risk analyses and assessments.

Must have Security Clearance: Active or Recently active within last 2 years.

CSC offers competitive salaries and excellent benefits.

This position is located in the Washington, DC metro area.

Please forward resume to the attention of Rao Tadavarthy (e-mail address: rao.tadavarthy-contractor@mda.osd.mil)

