

OCCUPATIONAL HEALTH & SAFETY

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WHAT IS OCCUPATIONAL SAFETY & HEALTH?

Field that protects the safety, health and welfare
of people engaged in work

► OSH Professionals include:

- ✓ Industrial Hygienists
- ✓ Safety Professionals
- ✓ Occupational Health Nurses
- ✓ Occupational Physicians

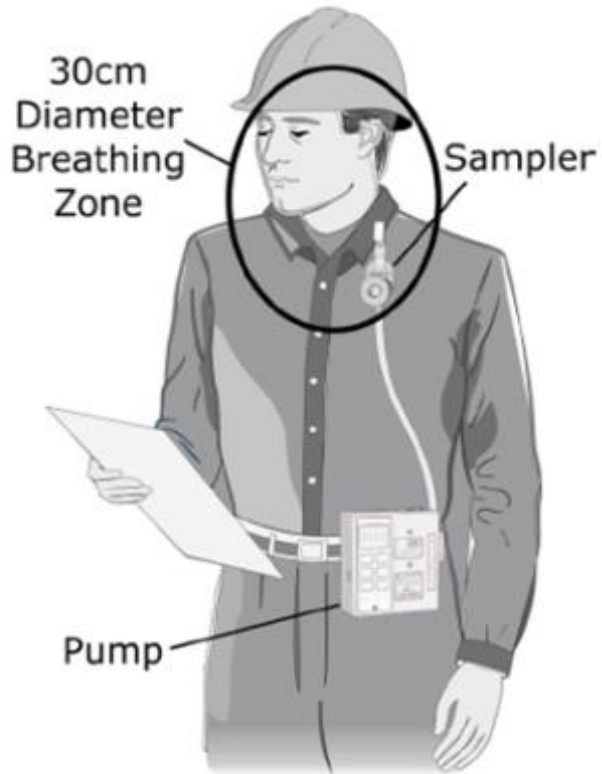
IDENTIFY HAZARDS

- ▶ CHEMICAL
- ▶ BIOLOGICAL
- ▶ PHYSICAL
- ▶ ERGONOMIC



- ▶ **Seahawks break Guinness crowd noise record vs. Saints**
- ▶ *For the third time this year, there is a new crowd noise record.*
- ▶ By [Matthew Fairburn](#)  [@MatthewFairburn](#) on Dec 2 2013, 9:58p **66**

MEASURE WORKPLACE EXPOSURES





TUNNEL CONSTRUCTION HAZARDS



Worksite Analysis
Health Information
Permissible Exposure Limits

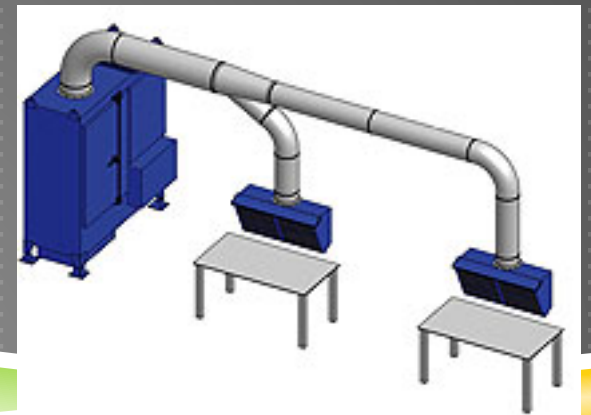




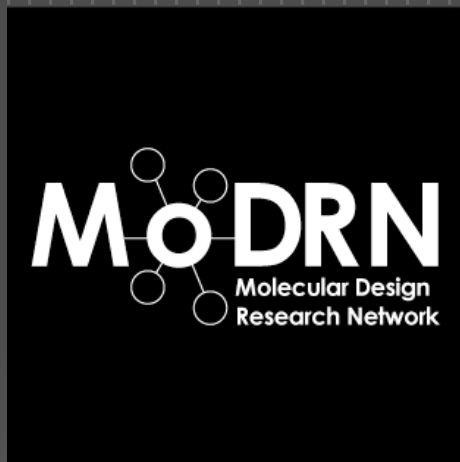


HAZARD PREVENTION AND CONTROL

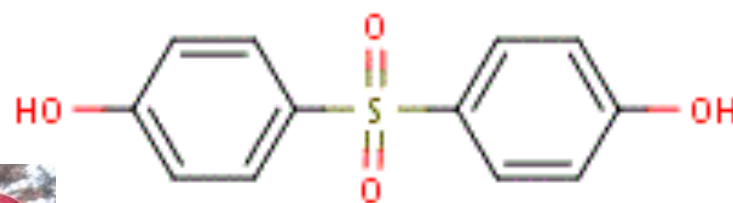
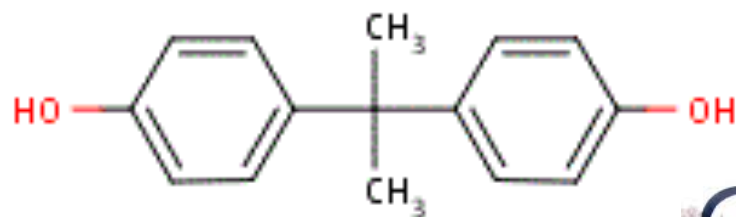
- ▶ ENGINEERING CONTROLS
- ▶ SUBSTITUTION
- ▶ ADMINISTRATIVE CONTROLS
- ▶ PERSONAL PROTECTIVE EQUIPMENT



RESEARCH: DESIGNING SAFER CHEMICALS



Yale
UW
Baylor
George Washington



OUR CAREER PATHS

ALLISON CROLLARD	NANCY SIMCOX
Bachelor of Arts: Anthropology	Bachelor of Science: Natural Resources
Masters of Science: Nursing & Industrial Hygiene	Masters of Science: Industrial Hygiene
Job title: Research Industrial Hygienist	Job title: Education/Outreach Manager

COURSEWORK INCLUDES:

- ▶ Chemistry
- ▶ Biology
- ▶ Physiology
- ▶ Psychology
- ▶ Microbiology
- ▶ Toxicology
- ▶ Engineering
- ▶ Ergonomics
- ▶ Epidemiology
- ▶ Biostatistics
- ▶ Communication
- ▶ Languages

CAREERS IN PUBLIC HEALTH

Health Services Administration

Biostatistics

Epidemiology

Health Education

Environmental Health

Wellness

▶ International Health

▶ Nutrition

▶ Public Health Practice/Program
Management

▶ Biomedical Laboratory

▶ Occupational Health & Safety

Salary Range: \$31,000-\$161,400



DEPARTMENT OF ENVIRONMENTAL & OCCUPATIONAL HEALTH SCIENCES

SCHOOL OF PUBLIC HEALTH

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Best Practices for Sustainable Laboratories

Photo © Susan_SM/iStock/thinkstockphotos.com

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*We study how environmental factors can harm human health and how to identify, prevent, and control their effects. Our goal—through **research, teaching, and service**—is prevention and protection.*



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WANT TO LEARN MORE?

The American Industrial Hygiene Association: Students and Young Professionals

<http://www.aiha.org/insideaiha/students/Pages/default.aspx>

American Society for Safety Engineers: Careers in Safety

<http://www.asse.org/about/careers.php>

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