


West Virginia University

**ENVIRONMENTAL
HEALTH AND SAFETY**

Looking out for you

WEST VIRGINIA UNIVERSITY ENVIRONMENTAL HEALTH AND SAFETY

2008 ANNUAL REPORT

Prepared By:
Environmental Health and Safety

Prepared For:
Joseph C. Fisher, Associate Vice President
Facilities and Services

Environmental Health and Safety operates within the WVU Facilities and Services division of the Vice President for Administration and Finance.

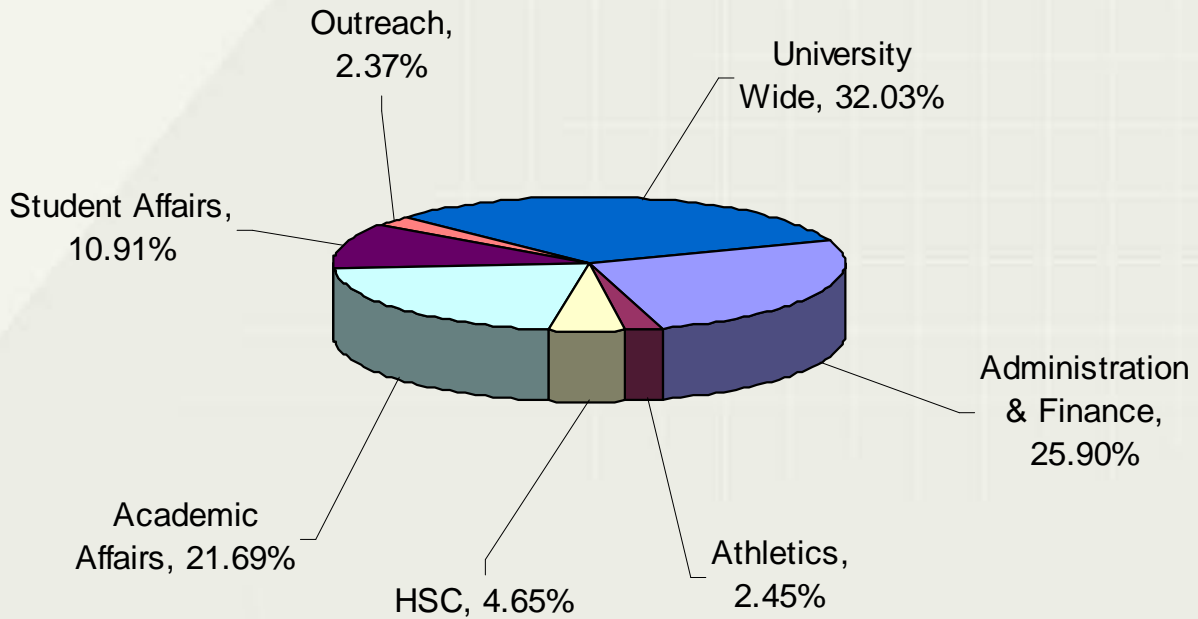
The department supports the University's mission by protecting the WVU resources and providing the University community with a safe and healthful place in which to work, learn, and visit. This is accomplished through professional program development and implementation. Each Environmental Health and Safety Program is designed and created to comply with federal, state, and local regulations while recognizing and adjusting to the dynamic needs of WVU.

Each EHS staff member is required to remain abreast, if not ahead, of the regulations. In program development, implementation, and maintenance each staff member is required to interact with regulatory agencies, other outside contacts, and university personnel. We act in the capacity of a regulatory overseer, as well as, assisting our clients in complying with regulatory intent. To do so, we must focus on customer needs, act with integrity, and communicate in a clear and concise manner.

This is accomplished by attending training and providing training, working independently and in small and large groups, remaining knowledgeable and up to date in EHS issues. The staff remains flexible in our daily contact with our clients.

Our 2008 report illustrates our services to the WVU community.

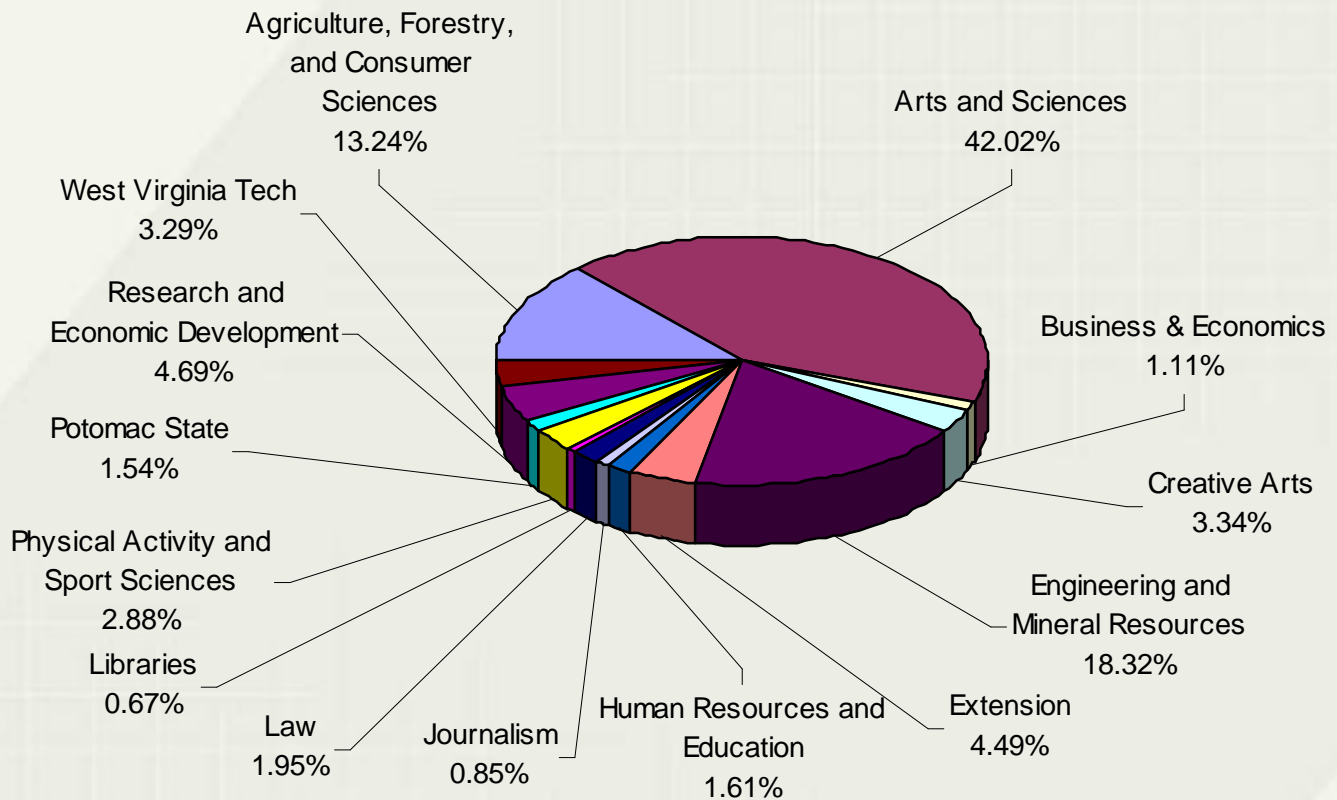
Environmental Health and Safety
Percentage of Time Spent on
Provost/Vice Presidential Area



- EHS continues to manage environmental health and safety status of the University by working extensively with researchers to operate safe laboratories and establishing procedures focused on safe work practices in classrooms, studios, and academic shops.
- EHS supports staff by providing them with tools and knowledge to maintain safe facilities, safe dining services, safe recreational areas, etc.
- EHS remains dedicated to student safety through the initiation of our nationally recognized fire safety presentations during the RA Fire Academy and Up-in-Smoke.
- EHS has hired over 86 Graduate Assistants and 23 Student Workers preparing them for various health and safety professions.

We are proud to have had this opportunity and look forward to continuing our services.

Environmental Health and Safety
 Percentage of Time Spent On
Academic Units Reporting to the Provost



Activities include, but are not limited to:

- Asbestos Inspections and Surveys
- State Board of Risk and Insurance Management Annual Inspections
- Indoor Air Quality Investigations
- Facility Code Compliance
- Hazard Communication Compliance
- Hazardous Waste Removal
- Laboratory Audit and Inventory
- Health and Safety Training

Environmental Health and Safety Activity Highlights per Provost/Vice Presidential Area

Academic Affairs  21.69%

- Provided 51 Health and Safety training classes
- Conducted State Board of Risk and Insurance Management Surveys in 40 buildings
- Reviewed 79 Facilities Code related issues
- Reviewed 105 Grant Awards to determine Health and Safety impact
- Reviewed 81 injury reports and investigated as required

- Conducted respiratory fit tests for 12 employees
- Conducted 202 asbestos related activities
- Tested and inspected all Safety Showers and Eyewash Stations
- Conducted four (4) hazardous waste chemical pick-ups
- Performed weekly hazardous waste storage area inspections

- Provided ergonomics assessments for 6 work stations
- Participated in two (2) State Fire Marshal inspections
- Audited 524 Academic and Research laboratories
- Performed comprehensive hazard assessment and provided solutions to slick floor issue at NRCCE
- Scheduled and met with the Dean of each college to discuss Environmental Health and Safety's services

- Provide Hantavirus training to Agricultural and Forestry staff
- Provided Department of Transportation/ International Air & Transportation Association training for University staff responsible for shipping hazardous materials
- Responded to large diesel fuel spill at Ag Science Annex
- Investigated large quantity water loss at Life Science Chiller units
- Provided mold remediation solutions to South Agriculture Sciences Building

- Performed comprehensive Indoor Air Quality study at the Agriculture Sciences.
- Assessed and provide solutions to WV Tech diesel lab air quality problems
- Tested and presented air quality solutions for Potomac State College Science Hall's faculty
- Lab clean-out and Hazardous Waste Services at White Hall
- Provided services on Facility Projects

White Hall renovation

1. Fire Prevention & Facility Code Compliance Services
2. Asbestos Management Services
3. Environmental Water Quality and Solid Waste Services

Chemistry Research Laboratory Addition

1. Environmental Water Quality and Solid Waste Services
2. Laboratory Safety Services
3. Fire Prevention & Facility Code Compliance Services
4. Safety Inspection Services

Engineering Sciences Building addition

1. Laboratory Safety Services
2. Asbestos Management Services
3. Fire Prevention & Facility Code Compliance Services

Chestnut Ridge Research Building – 5th floor renovation

1. Fire Prevention & Facility Code Compliance Services
2. Indoor air quality consultation Services

Creative Arts Center – academic shop ventilation upgrade (planning stages)

1. Air quality testing Services
2. Fire Prevention & Facility Code Compliance Services

Vice President Administration and Finance

Vice President Marketing and Institutional Advancement

Vice President Human Resources



- Provided 188 Health and Safety training classes
- Conducted State Board of Risk and Insurance Management Surveys in three (3) buildings
- Reviewed 67 Facilities Code related issues
- Conducted respiratory fit tests for 84 employees
- Conducted 191 asbestos related activities

- Conducted comprehensive indoor air quality survey for Stewart Hall and PDC building
- Reviewed 165 injury reports and investigated as required
- Performed 17 safety & hazardous materials handling audits for PRT/FM shops
- Provided Environmental Water Quality Services for permitting wastewater at;
 - ▶ Motor Pool
 - ▶ Downtown Zone Shop
 - ▶ Downtown Chiller Loop Unit

- Identified, assessed, and provided signage for Confined Spaces
- Research and planning the development of Confined Space written program
- Performed health hazard assessment for FM painting crew for respiratory hazards
- Responded and provided support to PRT Walnut Street station glycol spill.

- Provided annual hearing test under the Hearing Conservation Program for:
 - ▶ 43 University Police Personnel
 - ▶ 48 Facilities Management Personnel

- ▶ 8 Environmental Health and Safety Personnel
- ▶ 23 Printing Services Personnel

➤ Provided services on Facility Projects

Nursery & Childcare Facility

1. Fire Prevention & Facility Code Compliance Services
2. Environmental Water Quality and Solid Waste Services
3. Safety Inspection Services
4. Environmental Health Sanitation Services

Facilities Management Zone Shop

1. Environmental Water Quality and Solid Waste Services
2. Fire Prevention & Facility Code Compliance Services

Intermodal Parking Facility

1. Fire Prevention & Facility Code Compliance Services
2. Safety Inspection Services

Health Sciences Center



4.65%

- Provided 28 Health and Safety training classes
- Conducted respiratory fit tests for 16 employees
- Conducted a comprehensive indoor air quality survey for the Dental Hygiene Clinic
- Performed weekly hazardous waste storage area inspections
- Reviewed 52 injury reports and investigated as required

- Recorded, documented, and maintained the WV State sharps log, all needlestick incidents, (112 incidents)
- Recorded, documented, and maintained the OSHA 300 needlestick log, employees only, (112 incidents)
- Researched & developed N95 disposable respirator fit-testing protocol
- Investigated and assessed HSC Drinking Water Chlorinator treatment system
- Provided Asbestos Awareness training to Facilities personnel

- Managed daily lab-to-lab chemical waste pick-up and consultation Services
- Performed 6 laboratory clean-out Services
- Arranged 5 hazardous waste pickups and provided contractor oversight Services
- Assisted HSC EHS with Department of Homeland Security Assessment

- Provided Hazardous Waste pick-up and consultation services to Ruby Memorial Hospital:
 1. Histology Clinic
 2. Pathology Clinic
 3. Microbiology Clinic
 4. Morgue
 5. Sonic Laboratory
 6. Safety Office

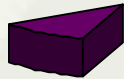
7. Biomedical Engineering

- Provided services on Facility Projects
Blanchette Rockefeller Neurosciences Institute
 - 1. Environmental Water Quality and Solid Waste Services

Bio Medical Research Building

- 1. Environmental Water Quality and Solid Waste Services

Student Affairs



10.91%

- Developed and presented the 2008 Resident Assistant Fire Academy to Residence Hall Staff
- Developed and presented the 2008 Up In Smoke Fire Safety Training Program to the University student population at Evansdale Residential Complex and during Up-All-Night.
- Conducted State Board of Risk and Insurance Surveys in 17 buildings
- Developed and managed duct cleaning contract in conjunction with Dining Services

- Provided 6 Health and Safety training classes
- Reviewed 83 Facilities Code related issues
- Conducted mandatory health department food service audits for all food service facilities
- Conducted 133 asbestos related activities
- Reviewed 64 injury reports and investigated as required

- Conducted comprehensive indoor air quality surveys for;
 - ▶ Fieldcrest Hall
 - ▶ Pierpont Apartments
 - ▶ 650 N. Spruce Street
 - ▶ Lincoln Hall
 - ▶ Summit Hall
 - ▶ Brooke Tower
 - ▶ Disability Services
 - ▶ Dadisman Hall
 - ▶ Tau Kappa Epsilon
 - ▶ Bennett Tower

- Provided random weekly safety inspection services for the fraternity houses owned/operated by WVU:
 - ▶ Fiji House
 - ▶ Sigma Epsilon
 - ▶ Beta Theta Pi
 - ▶ Pi Kappa Phi
 - ▶ Sigma Alpha Epsilon

- Provided services on Facility Projects
 - Dadisman Hall renovation Phase I
 - 1. Asbestos Management Services
 - 2. Fire Prevention & Facility Code Compliance Services
 - 3. Hazardous Materials Services
 - Summit Hall II Construction (Honors Dormitory)
 - 1. Fire Prevention & Facility Code Compliance Services
 - 2. Safety Inspection Services
 - 3. Environmental Health Sanitation Services
 - Mountainlair Bookstore renovation
 - 1. Asbestos Management Services
 - 2. Fire Prevention & Facility Code Compliance Services
 - 3. Environmental Water Quality and Solid Waste Services
 - Faculty A & B Apartment demolition
 - 1. Asbestos Management Services
 - 2. Safety Inspection Services

Athletics

 2.45%

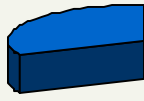
- Reviewed 31 Facilities Code related issues
- Conducted State Board of Risk and Insurance Management Surveys in nine (9) buildings
- Conducted 34 Asbestos related activities
- Conducted mandatory health department food service audits for all food service facilities.
- Attended all football and most basketball games to observe food service operations

- Reviewed seven (7) injury reports and investigated as required
- Responded and investigated large glycol spill at Coliseum
- Collaborated with WV Dept of Health asbestos inspection at Coliseum
- Evaluated scene of accident at Stadium where fan fell from stands
- Provided Services on Facility Projects
 - Puskar Renovation Phase II
 - 1. Fire Prevention & Facility Code Compliance Services

- Stadium and Coliseum Scoreboard replacement
 - 1. Safety Inspection Services
 - 2. Asbestos Management Services

- Women's Soccer Field (old Fire Training Center property)
 - 1. Asbestos Management Services
 - 2. Hazardous Materials Services

University-Wide



32.03%

- Coordinated Board of Risk and Insurance Management (BRIM) inspections, accompanied the inspector, received reports, distributed to appropriate unit for response, received and reviewed unit responses, prepared final report for submittal to BRIM
- Researched and Investigated fire alarm reports to develop monthly fire alarm record and eventual annual report to U.S. Department of Education
- Researched and responded to code compliance questions from University community
- Provided on-line Driver Safety Training Course to 1,911 University employees
- Provided five (5) Basic Health and Safety training classes

- Performed the Department of Homeland Security (DHS) Chemical Security Assessment for WVU main campus and regional campuses
- Coordinated efforts to establish a new recordkeeping system for Medical Monitoring Program
- Submitted campus-wide “plan-of-action” report to Board of Risk Insurance Management
- Performed a Hazard Assessment Survey of the WVU’s Utility/Steam Tunnel system
- Properly disposed of 54,363 lbs of chemical waste in 2008

- Prepared to expand campus-wide Hazardous Waste program:
 - ▶ Presented the need to expand Hazardous Waste Program to Vice President
 - ▶ RFP to obtain Consulting Firm to assess WVU waste management system
 - ▶ RFP for Architect and Consulting Engineering firm to design TSDF (Treatment, Storage, and Disposal Facility)
 - ▶ RFI for cost estimates from Waste Vendors to pick up waste lab-to-lab
 - ▶ Local property search for building site for TSDF

- Coordinated Emergency Preparedness
 - ▶ Conducted a three (3) day Emergency Preparedness Drill with Morgantown Fire Department
 - ▶ Scheduled meetings to ensure Morgantown Fire Department has access to building via Knox boxes
 - ▶ EHS staff attended Morgantown Fire Department training - SCBA/mass-decontamination unit operations
 - ▶ Hazardous Waste Operations recertification training
 - ▶ Reviewed and assisted PRT with updating Emergency Response program

- Prepared and submitted quarterly Morgantown Utility Board reports for campus property
- Identified, evaluated, and provided signage for Confined Spaces in FM Zone 1 and 2
- Assessed WVU pools to develop WVU’s “plan of action” in response to the Virginia Graeme Baker Act
- Assisted WVU Recycling Coordinator in performing waste audits to establish baseline report

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- Prepared and submitted campus-wide Injury and Illness OSHA 300A annual summary
 - Established Oracle Learning Module Training Database in conjunction with WVU Human Resources
 - Review monthly Morgantown Fire Department Fire Alarm reports to recommend corrective actions for reducing the number of campus-wide false alarms
 - Provided Services on Facility Projects
 - New Erikson Alumni Center
 - Environmental Water Quality and Solid Waste Services

Outreach



2.37%

- Provided annual hearing test under the Hearing Conservation Program for:
 - ▶ 6 Mannette Steel Drums Personnel
- Respirator fit tested 48 Morgantown Fire Department Personnel
- Received \$60,000.00 national FEMA grant to establish Fire Safety Training for all Monongalia County High Schools

Environmental Health and Safety

Training Received

National Incident Management System
(NIMS 100 & 700)

Polarized Light Microscopy

Hazardous Waste Operations

Department of Transportation /
International Air Transport Association
DOT / IATA Hazardous Materials Shipping

Human Resources Effective Speaking

Asbestos Building Inspector

Performance Management

SCBA – Self Contained Breathing
Apparatus – Hazardous Materials

Human Resources Planning and
Prioritizing

Asbestos Project Design

Asbestos Management Planner

WV Asbestos Clearance Monitoring

Human Resources Delegating for Results

Human Resources Interviewing

Confined Space Training

National Swimming Pool Foundation
(NSPF) International Aquatics Symposium

Human Resources How to Market your
Department

Human Resources Mountaineer
Leadership Academy

Association of Physical Plant
Administrators (APPA) Conference

Campus Safety Health and Environmental
Management Association (CSHEMA)
Conference

Campus Fire Safety Conference

In Service Training – ACI Friday Talks in
memory of Andrew C. Imegi:

- Plans Review
- Nutrition
- Six Sigma

About Us

13 Full-time Staff

- 8 Masters Degrees
- 2 Certified Safety Professionals
- 1 Registered Sanitarian
- 1 Graduate Safety Professional

5 Graduate Assistants

2 Undergraduate Student Employees

Local Emergency Planning Committee Membership (LEPC)

Sustainability Committee Membership

CSHEMA (Campus Safety Health and Environmental Management Association)

- CSHEMA Membership Committee
- CSHEMA Fire & Life Safety Committee

Fire Safety Expert Spokesperson for Campus Fire Watch

Campus Fire Watch Campus Fire Safety Right to Know Act Task Force Phase I Membership

State/Local Health Department Liaison Committee Membership

APPA – Code Advocacy Committee Membership

Staff Council Membership

Administrative Technology Solutions Committee Membership

WVU Environmental Health and Safety

March 2009

