

# Training and Technical Assistance Programs Supporting Oil and Gas Employees and Employers in West Virginia

Mark Fullen, EdD, CSP - Director / Associate Professor  
Wayne Lundstrom – OSHA Ed Center Director / Associate Professor

WVU Safety & Health Extension



# Overview

- Review of the National Resource Center for OSHA Training
- Review of Oil and Gas specific training programs and services provided



# WVU Safety & Health Extension Background

- Established in 1989 to develop and provide occupational safety and health training, technical assistance, and applied research to private and public sector employers and employees.
- As part of the WVU Extension Service, WVUSHE serves a public service mission seeking to decrease occupational injuries, illnesses, and fatalities among workers in West Virginia and the region.



# WVU Faculty & Staff

- 13 faculty with a wide range of expertise in occupational safety and health.
- Hired an oil and gas occupational safety and health faculty member in 2012.
- 7 Support Staff Members
- 4 Graduate / 1 Undergraduate Student



# OSHA Education Center Background

- Established in 1994
- Training performance 2014
  - Ranked third nationally of 27 OSHA Education Centers in number of classes provided.
  - 113 classes
  - 1,535 total Students
  - Ranked first nationally in number of outreach cards (113,000)



# Oil and Gas Training & Assistance Center (OGTAC)

- Developed to support the advancement of safety and health in the oil and gas industry
  - SafeLandUSA / IADC Rig Pass approved train-the-trainer program (AWARE)
    - 2,486 workers trained since 2014
    - 56 approved trainers
  - OGTAC 300 - H<sub>2</sub>S train-the-trainer program
  - OGTAC 301 - JSA (Job Safety Analysis) training program
  - OGTAC 302 – Intro to Oil and Gas Electrical Safety Requirements



# Oil and Gas Training & Assistance Center (OGTAC)

2004-2014



- Fatality Mapping Project  
[safetyandhealth.ext.wvu.edu/current\\_research/fatalities-map](http://safetyandhealth.ext.wvu.edu/current_research/fatalities-map)
- Incident Reporting Project
- Noise level monitoring

# WVU OSHA Education Center Oil and Gas training programs

- OSHA Education Center Courses – Nationally Approved Curriculum / OSHA Numbered Courses
  - OSHA 5810 – Hazard Recognition and Standards for On-Shore Oil and Gas Exploration and Production
  - OSHA 7110 – Safe Bolting: Principles and Practices
- Oil and Gas Safety Specialist Certificate Program



# Oil and Gas Safety Specialist Certificate Program

## Oil & Gas Safety Specialist Certificates Program Features:

- National Resource Center- OSHA Region Training Center Programs.
- Content is based largely on nationally recognized OSHA Education Center numbered courses and industry driven subject matter delivered by recognized faculty with applied perspective.
- Participants receive individual certificates for each course completed.
- Comprehensive program certificates and office plaques are awarded once all requirements are met.
- Graduates will be listed in our “who’s-who” page of certificate program graduates.
- Continuing Education Units (CEUs) are given for the courses which may fulfill continuing education requirements for specific professions.
- Become an OSHA Authorized Instructor, IADC RigPass/SafelandUSA Instructor and Hydrogen Sulfide Awareness Instructor.



## Oil & Gas Specialist Certificate

Core Courses must be completed through the WVU Safety and Health Extension

### OIL & GAS CORE COURSES- 72.5 hours

- OSHA #5810 Standards based course for Oil and Gas Industry (30 hours)
- OSHA #7500 Introduction to Safety and Health Management (5.5)
- OSHA #7505 Introduction to Incident (Accident) Investigation (7.5)
- OSHA #7105 Evacuation and Emergency Planning (4)
- OSHA #7845 Recordkeeping Rule Seminar (4)
- OSHA #7205 Health Hazard Awareness (6)
- SafelandUSA Training (8)\*
- OGTAC 300 Hydrogen Sulfide Awareness (4)
- OGTAC 301 Job Safety Analysis JSA (4)
- OGTAC 302 Introduction to Oil and Gas Electrical Safety Requirements (7.5)

\*SafelandUSA will be accepted from outside sources

### ELECTIVES (Complete 2 or more) (Min. of 52 Hours)

- #511 Occupational Safety and Health Standards for General Industry (26 hours)
- #510 Occupational Safety and Health Standards for Construction Industry (26)
- #521 OSHA Guide to Industrial Hygiene (26)
- #2015 Hazardous Materials (26)
- #2045 Machinery and Machine Guarding (26)
- #2225 Respiratory Protection (26)
- #2255 Ergonomics (18)
- #2264 Permit-Required Confined Space (20)
- #3015 Trenching/Shoring (20)
- #3095 Electrical Standards (26)
- #3115 Fall Protection (18)
- #7110 Safe Bolting: Principles and Practices (7)
- US DOT CMV Periodic Inspection and Maintenance Training (20)

## Oil & Gas Safety Training Specialist Certificate

(Must hold the Safety Specialist Certificate to apply for Safety Training Specialist Graduation)

### TRAINING CORE COURSES- 23 hours, both required

- IADC RigPass/ SafelandUSA Trainer Course (8)\*
- OGTAC 300 Hydrogen Sulfide Awareness Train-the-Trainer (15) \*\*

\*Must meet all SafelandUSA Instructor Criteria

\*\* Must be a SafelandUSA Instructor and/or OSHA Authorized Outreach Trainer

### ELECTIVES (Complete at least one) (Min. of 18 hours)

- OSHA 501 Trainer Course in OSHA Standards for General Industry (26)\* or
- OSHA 500 Trainer Course in OSHA Standards for the Construction Industry (26)\* or
- OSHA 502 Trainer Update Course for General Industry (18) or
- OSHA 503 Trainer Update for Construction Industry (18)

# Other Applicable WVU Programs

- First Aid, CPR, (American Heart Association)
- On-site industrial hygiene and safety consultation
- Program development
- Company specific training development and delivery



# Contact Information

- Mark Fullen: WVU Safety & Health Extension Director  
(304)293-3200 / 1-800-626-4748  
m.fullen@mail.wvu.edu
- Wayne Lundstrom: OSHA Education Center Director  
(304)293-3189  
Wayne.lundstrom@mail.wvu.edu
- Tiffany Rice: Oil and Gas Safety and Health Specialist  
(304)293-2852  
Tiffany.rice@mail.wvu.edu

# Questions?

