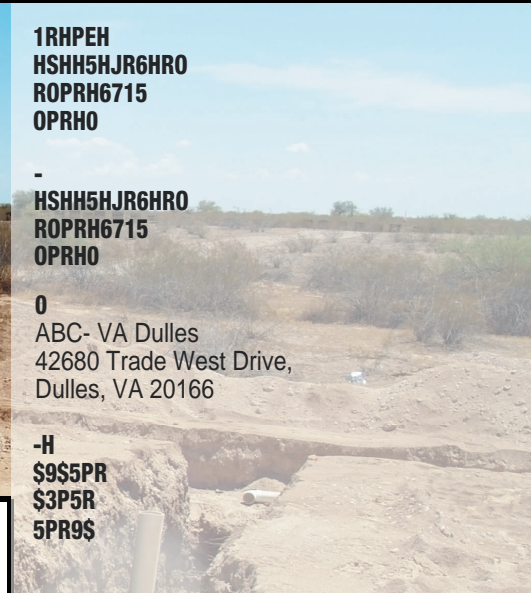


**Excavation, Trenching and Soil Mechanics**



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HSHH5HJR6HRO  
ROPRH6715  
OPRHO

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HSHH5HJR6HRO  
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ABC- VA Dulles  
42680 Trade West Drive,  
Dulles, VA 20166

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\$9\$5PR  
\$3P5R  
5PR9\$

This course covers the OSHA Excavation Standard and safety and health aspects of excavation and trenching. Course topics include practical soil mechanics and its relationship to the stability of shored and unshored slopes and walls of excavations, introduction of various types of shoring (wood timbers and hydraulic), soil classification, and use of protective systems. Testing methods are demonstrated and students participate in workshops in the use of instruments such as penetrometers, torvane shears, and engineering rods. Upon course completion students will have the ability to assess their employer's compliance with the OSHA Excavation Standard, utilize soil testing methods to classify soil types, determine protective systems for excavation operations, and training requirements.

**Class Topics Include:**

**Subpart P Definitions  
The Role of a Competent Person**

- Why Competent Person is Important
- Competent Person responsibilities
- Competent Person interview forms

**Subpart P OSHA Regulation  
General Requirements**

- Surface encumbrances
- Underground installations
- Access vehicular traffic
- Fall loads
- Warning system
- Equipment hazardous atmospheres
- Water accumulation
- Adjacent structures
- Inspection and fall protection

**Subpart P OSHA Regulation  
Soil Classifications**

- How to perform a soil analysis
- Types of soil, i.e stable rock A,B,C
- Types of soil tests, i.e plasticity, dry strength, thumb penetration, drying test and other strength tests.

**Subpart P OSHA Regulation  
Shoring Systems**

- Protection of employees
- Design of sloping and benching
- Design of support system
- Design of timber shoring
- Aluminum hydraulic shoring
- Alternative systems
- Trench box systems

**Class Price: \$795**

**Class Time: 8:00am to 4:00pm**

**Registration Form- Please FILL OUT the Course Info Below:**

Class Name: OSHA 3015    Class Date: (month/day/yr) \_\_\_\_/\_\_\_\_/\_\_\_\_    Location: (city, state) \_\_\_\_\_

Student Name(s): \_\_\_\_\_

Company: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_ City, State, Zip: \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

4849

**Indicate Payment Method: (please check)**

Check Enclosed \_\_\_\_\_ Please Invoice \_\_\_\_\_    Visa \_\_\_\_\_ Mastercard \_\_\_\_\_ American Express \_\_\_\_\_ Discover \_\_\_\_\_

Card # \_\_\_\_\_ CID #: \_\_\_\_\_ Exp. Date: \_\_\_\_\_ Name on Card: \_\_\_\_\_

**You can mail this form to:**

MAOTIEC/Chesapeake Region Safety Council - 2555 Lord Baltimore Drive, Suites N-R, Baltimore, MD 21244

**Call to register:** 800-875-4770    **Fax:** 410-281-1350    **Register online** at [www.oshamidatlantic.org](http://www.oshamidatlantic.org)

**Make checks payable to:** Chesapeake Region Safety Council