

- Know existing and potential hazards, including information on the mode of exposure, signs or symptoms, consequences and physiological effects;
- Maintain communication with and keep an accurate account of those workers entering the permit space;
- Order evacuation of the permit space when:
 - A prohibited condition exists;
 - A worker shows signs of physiological effects of hazard exposure;
 - An emergency outside the confined space exists; and
 - The attendant cannot effectively and safely perform required duties.
- Summon rescue and other services during an emergency;
- Ensure that unauthorized people stay away from permit spaces or exit immediately if they have entered the permit space;
- Inform authorized entrants and the entry supervisor if any unauthorized person enters the permit space; and
- Perform no other duties that interfere with the attendant's primary duties.

Entry Supervisor

- Know space hazards including information on the mode of exposure, signs or symptoms and consequences;
- Verify emergency plans and specified entry conditions such as permits, tests, procedures and equipment before allowing entry;
- Terminate entry and cancel permits when entry operations are completed or if a new condition exists;
- Verify that rescue services are available and that the means for summoning them are operable;
- Take appropriate measures to remove unauthorized entrants; and
- Ensure that entry operations remain consistent with the entry permit and that acceptable entry conditions are maintained.

- The Attendant and Entry Supervisor can be the same person

Campus Process

- A calibrated and bump tested meter shall be obtained from the EH&S office along with a confined space permit
- The full body harness shall be inspected in accordance with the College requirements. Other associated required equipment is to be obtained through the warehouse or supervisor.
- The completed confined space entry permit will indicate the entry supervisor, authorized entrants, required PPE, and a duration date. The form also has fillable sections for atmospheric monitoring.
- This form must be completed and returned to the EH&S office at the conclusion of the entry along with the meter.

Atmospheric Monitoring

- Initial monitoring of the space shall take place at three different levels: low, middle, and high.
- Readings shall be recorded on the entry permit.
- Periodic testing shall take place throughout the entry and documented on the form.
- If the entrant leaves the space it must be evaluated prior to re-entry.
- Any alarm by the meter constitutes immediate evacuation of the space or prevents entry

Communications/Rescue

Constant communication via line of sight or voice is required. Only exterior space rescue attempts are allowed. Any rescue attempts that require entry by personnel will be conducted by Fire Department personnel

Confined Space



Environment, Health and Safety

Director EHS	221-2146
EH&S Officer	221-2288
EH&S Specialist	221-6450
EH&S Specialist	221-1523
Fire Safety Officer	221-1745

Emergency phone numbers:

**- EMERGENCY -
Dial 911**

Campus Police	221-4596
Williamsburg Fire & Rescue	220-6220

Please take one of these pamphlets and read it.

Confined Space

The College of William and Mary contains confined spaces throughout campus that employees and contractors are required to enter to conduct work. Employees that work in confined spaces face increased risk of exposure to hazards such as entrapment, engulfment and hazardous atmospheric conditions.

By definition, a confined space:

1. Is large enough for an employee to enter fully and perform assigned work
2. Is not designed for continuous occupancy by the employee
3. Has a limited or restricted means of entry or exit

By definition, a permit required confined space has one or more of the following characteristics:

1. Contains or has the potential to contain a hazardous atmosphere
2. Contains a material with the potential to engulf someone who enters the space
3. Has an internal configuration that might cause an entrant to be trapped or asphyxiated by inwardly converging walls or by a floor that slopes downward and tapers to a smaller cross section
4. Contains any other recognized serious safety or health hazards

Written Program

In accordance with OSHA, the College has a written Confined Space Program. The program document can be found at:

<http://www.wm.edu/offices/facilities/services/safety/industrial/confined/index.php>

The written program addresses the requirements for entry, required equipment, steps to notify contract

employees of confined spaces, and emergency response.

Training

- Initial training for the employee must be conducted by the EH&S department prior to any confined space work involvement.
- Training will detail the requirements for authorized entrants, attendants, and the entry supervisor.
- Information on actions taken in the event of an emergency will also be covered. The College does not perform rescue operations. Rescue operations have been communicated and are coordinated through the local Fire Department.

Required Equipment

- Calibrated/Bump checked 4 gas meter
- Full body harness
- Blower and associated tubing
- Tripod retrieval device
- Barricades
- Device for 2 way communication (radio)



Personal Protective Equipment

- Hard hat
- Respiratory Protection
- Protective clothing (i.e. Tyvek)
- Safety Glasses/Googles

- Gloves
- Lockout/Tag out equipment

Other Relevant Items

- Vapor tight lighting
- Hot work
- Portable generator

Roles in Confined Space Entry

Authorized Attendant

- Know space hazards, including information on the means of exposure such as inhalation or dermal absorption, signs of symptoms and consequences of the exposure;
- Use appropriate personal protective equipment properly;
- Maintain communication with attendants as necessary to enable them to monitor the entrant's status and alert the entrant to evacuate when necessary
- Exit from the permit space as soon as possible when:
 - Ordered by the authorized person;
 - He or she recognizes the warning signs or symptoms of exposure;
 - A prohibited condition exists; or
 - An automatic alarm is activated.
- Alert the attendant when a prohibited condition exists

Attendant

- Remain outside the permit space during entry operations unless relieved by another authorized attendant;
- Perform non-entry rescues when specified by the employer's rescue procedure;