

EXCAVATION AND TRENCHING PERMIT

PROJECT NAME	PROJECT LOCATION	Start Date: _____ Completion Date: _____
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JOB DESCRIPTION AND LOCATION (BE SPECIFIC)

PERMIT SYSTEM:

- Any excavation performed by any type of machine or equipment will require an excavation permit prior to beginning any dig 4' or greater.
- The Requestor, Contract firm (s) and the KCA rep. Will meet and review the Pre-Dig Safety Analysis:
- All excavations will follow MIOSHA Construction Safety Standard Part 9
- Ensure that all approval signatures are on the permit before work begins.
- Identify the "Qualified Person and Competent Person" In charge of this excavation.

NOTE! Excavation permits will be required to be "Posted" at the job site, along with contact names and phone numbers for the Project Manager, Construction Manager/EMA/CAC. And the Qualified Person

I. Required Information:

- Responsible Company in Charge of Excavation:
Name: _____

- "Qualified Person*" In charge of excavation:

*MIOSHA defines a "Qualified Person" as one who by knowledge, training, and experience, has successfully demonstrated to the employer his or her ability to solve or resolve problems relating to the subject matter, the work, or the project

Name: _____

- "Competent Person" In charge of excavation:

*MIOSHA defines a "Competent person" as one who is capable of identifying existing and predictable hazards in the surroundings, or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

Name: _____

II. SOIL CLASSIFICATION (Slope Configurations) Check One

Type A (3/4:1) Type B (1:1) Type C* (1-1/2:1)

- Previously Disturbed Ground "Type C" required.
- Expected size of Excavation

Depth _____ Width _____ Length _____

- Sloping Configuration: Has to be monitored by the qualified person as the excavation progresses.

III. Atmospheric Test Required :

Initial testing for Possible Oxygen Deficiency or Gaseous Conditions is required. * Continuous Monitoring may be required

- Bump Test Results:

LEL% _____ 27%-33% O2% _____ 18%-19.2%

- Atmospheric Testing Recordings

Test Results:

Meter ID # _____

Must be conducted no earlier than 1 hour to entering the excavation
Flammable readings must be less than 2% LEL.

Top of Excavation: Oxygen%: _____ LEL%: _____

Bottom of Excavation: Oxygen%: _____ LEL%: _____

Presence of Toxic Fumes* Yes: _____ No: _____

If "Yes"

*** Stop all work until review with Environmental and KCA Safety!**

VI. Means of egress from excavation requirement:

- A stairway, ladder, ramp or other safe means of egress shall be located in trench excavations that are 4' or more in depth so as to require no more than 25' of lateral travel for employees

Review prior to starting with KCA:

IV. Protection from hazards associated with Excavations:

Water accumulation:

- Employees shall not work in excavations in which there is accumulated water, or in excavations, in which water is accumulating, unless adequate precautions have been take to protect employees against the hazard posed by water accumulation.
- If water is controlled or prevented from accumulating by the use of water removal equipment, the water removal equipment and operations shall be monitor by a competent person to ensure proper operations.

Guarding, Barricade, Signs: Required-Review with KCA Rep.

Excavation area of clearance:

- Protection shall be provided by placing and keeping such material or equipment at least 2' from edge of excavation
- This includes soils removed from excavation.

V. Shoring, Shielding, Sheeting or Trenching:

- Protection system methods of protecting employees from cave-ins, from material that could fall, roll from an excavation face or into an excavation, or from the collapse of adjacent structures.
- Support systems which provides support to an adjacent structure, underground installation, or the sides of an excavation.
- Prior to excavation, plan on what system may have to be used. Make sure systems are available.

Note: Sloping Or Benching For Excavations Greater Than Twenty (20) Feet Deep Shall Be Designed By A State/Country Registered Professional Engineer

VII. Review the following, for consideration of further actions:

Location of excavation to Utilities, Buildings, Footing or Pilings, Roadways and possible sources Of Vibrations.

Contact Owners Of Utilities, Service, Or Transmission Piping, Etc. (Electrical, Telephone, Water, Sewer) to assist with your review of your site for locations of underground services

During excavation changing ground conditions due to rain, snow need to be reviewed daily prior to entering excavation by a Qualified Person in control of excavation.

Change In Vehicular Traffic and or Machinery Operation Patterns

Adequacy and Availability Of All Equipment, Including Personal Protective Gear, Shoring Material, Signs, Barricades And Machinery.

Other Known Obstructions (I.E. Overhead Obstructions Reviewed Footing Concrete Encasements)

Protective Systems Depth Of A Trench Or Excavation Of Four (4') Feet Or More – Check The Applicable Regulatory Agency (OSHA)

APPROVERS	PRINT NAME AND SIGN FOR APPROVAL	DATE
Qualified Person*		
Company Safety Rep./ Competent Person In charge of Excavation		
Equipment Operator		
Pfizer Representative Requestor		
KCA Safety Representative Approval If Required By Civil Engineer or Registered Professional Engineer		

All Contract firm working in this excavation have read and agreed to the conditions set by the Qualified Person in charge of this Excavation. In addition, Responsible person confirms that all entering workers have received Excavation training from their company.

Contract Firms Name / Person Responsible	Print Name and Sign	Date
Contract firms working in Excavation		
Contract firms working in Excavation		
Contract firms working in Excavation		
Contract firms working in Excavation		
Pfizer Project Representative		
KCA Safety Representative		

Permit Completion:

Qualified person: Excavation is backfilled and job is complete.

Print Name: _____ Sign: _____ Date: _____

Return to Pfizer Kalamazoo Contract Administration (KCA) Representative. Bldg. 182