|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TRENCH & EXCAVATION INSPECTION AND ENTRY AUTHORIZATION CHECKLIST | | | | | | | |
| LOCATION: | | | | | | | DATE: |
| TIME OF INSPECTION(S): | | | | | | | |
| WEATHER CONDITIONS: | | | | | | APPROX. TEMPERATURE: | |
| COMPETENT PERSON: | | | | | SUPERVISOR: | | |
| DIMENTIONS: | DEPTH = |  | | | **Yes No** HAZARDOUS CONDITIONS | | |
|  | TOP = | **W** | | **L** | **q q .......... Saturated soil / standing or seeping water** | | |
| BOTTOM = | **W** | | **L** | **q q .......... Cracked or fissured wall(s)** | | |
| SOIL TYPE: | | | TESTED: | | **q q .......... Bulging wall(s)** | | |
| **q Stable Rock** | | | **q Yes** | | **q q .......... Floor heaving** | | |
| **q Type A Soil** | | | **q No** | | **q q .......... Frozen soil** | | |
| **q Type B Soil** | | | | | **q q .......... Excess loads/weights near edge (i.e. crane, vehicle, equipment)** | | |
| **q Type C Soil –** any trench/excavation dug by PSU personnel shall be considered TYPE C soil**. Exemption required for changing soil type.** | | | | | **q q .......... Vibration** | | |
| **q q .......... Depth greater than 10’ (i.e. depth at which two trench boxes are needed/stacked)** | | |
| PROTECTION METHOD UTILIZED: | | | | | PLACEMENT OF SPOILS & EQUIPMENT | | |
| **q Sloping / Benching 1-1/2:1 (Type C Soil)**S | | | | | **q q .......... Spoils at least two feet from edge of trench** | | |
| **q Sloping / Benching 1:1 (Type B Soil)** | | | | | **q q .......... Equipment at least two feet from edge** | | |
| **q Sloping / Benching 3/4:1 (Type A Soil)** | | | | | **q q .......... Backhoe at end of trench** | | |
| **q Sloping / Benching Vertical (Stable Rock)** | | | | | **q q .......... Compressor, etc. at remote location** | | |
| **q Pneumatic Spreaders** | | | | | LADDER LOCATION | | |
| **q Hydraulic Spreaders** | | | | | **q q .......... Located in protected area** | | |
| **q Trench Box** | | | | | **q q .......... Within 25 feet of safe travel** | | |
| **q Other (Describe in detail)** IRREGULAR WALLS | | | | | **q q .......... Secured** | | |
| **q Trench over 20’ deep requires P.E. certification** | | | | | **q q .......... Extends 36 inches above the landing** | | |
|  | | | | | **q q .......... Leads to safe landing** | | |
| Yes No ENVIRONMENTAL CONDITIONS: | | | | | OTHER: | | |
| **q q Gas detector used?** | | | | | **q q Shoring equip. & mats inspected prior to use?** | | |
| **q q Hazardous atmosphere potential/present?** | | | | | **q q Is trench SAFE to enter?** | | |
| **q q Confined space permit issued?** | | | | |  | | |
| COMMENTS: | | | | | | | |
| All unsafe conditions must be corrected prior to entry. If any hazardous conditions appear during the course of work the trench must be immediately evacuated.  ***Competent Person signature***: | | | | | | | |
| *Version 1 – Original - created 3/2023* | | | | | | | |