| Stormwater Manholes Permit Required Confined Space Entry Permit | | | | | | | | | | |
|---|---|--|--|--|--|---|---|--|------------------------------------|-------------------|
| 1. Stormwater Manholes Entry Procedure and Permit **All shaded areas must be completed by the Entry Supervisor or Entrant** | | | | | | | | | | |
| 2. Work t | to be I | Performed and L | ocation: | | 3 | 3. Date Issued: / / | | | | |
| | | | | | | Time Issued: : | | • – 2 m | - n m | |
| 4. Permit | t Spac | e Hazards (X = P | Potential Hazard o | r Testing Requireme | nt) | 111110 135 | ueu. | . 🗆 a.m. | . 🗆 p.m. | |
| X Oxygen - hazardous when less th than or equal to 23.5 %. | | | | | Mechanical Hazards (Pro Steam, Falling Objects, E | | | matic, Hydraulic, Electrical, Chemical, 2.) | | |
| X Flammable Gases or Vapors - ha: LFL / LEL. | | | zardous when greater | than 10% of | X Engulfment Potential | | | | | |
| Х | X Hydrogen Sulfide - hazardous wh | | | en greater than 10 PF | PM | | Physical Hazards - (bees, insects, spiders, heat during the summer) | | | iring the summer) |
| х | X Carbon Monoxide - hazardous wher for when welding or near a fuel com | | | | Х | Confined | Space Configuration | n, Layout or Arrangement | | |
| | | Other Toxics: | | | | | | | | |
| 5. Additional Permits or Forms (Please attach if required) | | | | | | | | | | |
| Hot Work Permit: DYES DNO DN/A LOTO / Hazardous Energy Control Procedure: DYES DNO DN/A Other: | | | | | | | | | | |
| 6. Equipment Required for Entry & Work (Check box when complete) | | | | | | | | | | |
| 4-Gas M | | | on, Tyvek suit, rubber gloves, rubber boots, and body harness. required for testing. Test atmosphere in manhole by using stratified method of checking atmosphere at different levels within | | | | | | | |
| | | | pace. Continuous monitoring is required throughout the duration of the entry. | | | | | | | |
| | | | | r this space under normal atmospheric conditions. If contaminant levels are outside limits, ventilate space before entry. | | | | | | |
| | | | here by 4-gas meter prior to and during entry. Ventilation must be used on this space if sewer gas is present. ripod with 4-way hauling system to pull out entrant in the event of an emergency. Entrant must wear harness and be | | | | | | | |
| 🗆 Rescu | | - | connected to th | ie 4-way hauling system. | | | | | | ness and be |
| | nunication method used by attendants and | | | l entrants (Check all th | nat apply) 8 | 8. Confined Space Rescue The assigned confined space attendant is responsible for evacuating entrants in | | | | |
| | Rac | | | | | | e event of an emergency by means of vocal communication or retrieval equipment used for the entry. At no time will the attendant enter the confined space. In the event the attendant is unable to evacuate the entrant(s), the | | | |
| Voice Other | | | | | Charlotte Fire Department will be notified by UNC Charlotte Police Dispatch at 704-687-2200 to provide rescue assistance. Upon the arrival of rescue | | | | Police Dispatch at al of rescue | |
| | | Entrants (List by | name) | | | personnel, the attendant should brief the rescuers of any notable information. 10. Authorized Attendants (List by name) | | | | |
| | | | | | | | | | | |
| 11. Preparation for Entry (Check boxes when complete) | | | | | d complete the Co | fined Space | | mit and other related | permits or forms. Se | nvice on a |
| stormwater manhole or catch bas catch basin can be a serious haz | | | | arvice interruption and complete the Confined Space Entry Permit and other related permits or forms. Service on a sin should be completed on a day with no precipitation or chance of precipitation. Stormwater coming into a manhole/ rard during entry. If necessary, use a pump within the stormwater manhole to remove excess water. ools and PPE prior to entry. Barricade the area to prevent unauthorized entry or access. Setup necessary equipment for | | | | | | |
| Inspect all required equipment, to entry operations. | | | Jois and FFE prior to entry, barricade the area to prevent unauthorized entry of access. Setup necessary equipment for | | | | | | | |
| Ensure that all hazardous energy | | | is isolated per the specific Hazardous Energy Control Procedure. | | | | | | | |
| | | Sign in Authorized Entrants in Step 9 and Sign in Attendants in Step 10. | | | | | | | | |
| | | Take a preliminary atmospheric reading with approved 4-gas meter and record reading on Step 12. Atmosphere should be continuously tested during entry. Periodically record sample readings in Step 12. Ventilate as necessary. Test atmosphere from the bottom to the top of the manhole so that all le are checked. | | | | | | | | |
| | | Upon eliminating or controlling all hazards and the Entry Supervisor signing Step 13, proceed to make entry. | | | | | | | | |
| 12. Atmosphere Testing Record Acceptable Conditions | | | Pre-Entry Results | Entry #1 Results | Entry # | 2 Results | Entry #3 Results | Entry #4 Results | Entry #5 Results | |
| Time of Sampling | | | | | | | | | | |
| CH_4 – Methane - Less than 10% of LEL / LFL | | | | | | | | | | |
| O ₂ - Oxygen Range - Minimum allowable = 19.6% to Maximum allowable = 23.4% | | | | | | | | | | |
| H_2S - Hydrogen Sulfide - < than 10 PPM | | | | | | | | | | |
| CO - Carbon Monoxide - < than 35 PPM | | | | | | | | | | |
| Other Toxic: | | | | | | | | | | |
| Tester In | nitials | | | | | | | | | |
| 13. Authorization by Entry Supervisors I certify that all required precautions have been taken and necessary equipment is provided for safe entry and work in this stormwater manhole confined space. | | | | | | | | | | |
| Printed Name Signature | | | | | | | | Date | Time | □a.m. □p.m. |
| 14. Perm | it Car | cellation (Comp | lete at the end of | f job not to exceed 2 | 24 hours) | | | Date | Time | □a.m. □p.m. |
| This permit must be posted at the job site One Copy to Department's File and One Copy to EHS Office (Fax 7-5302 or EHS Building) | | | | | | | | | | |