|  |  |  |  |
| --- | --- | --- | --- |
| **JOB SAFETY ANALYSIS** | **Job Task:**  Entering A Township Manhole or  Wet Well | **Date:**  **6/17/11** | **Analysis Performed By:**  White Township |
| **SEQUENCE OF BASIC JOB STEPS** | **POTENTIAL HAZARDS** | **RECOMMENDED ACTION/PROCEDURE** | |
| 1. Check Tools & Equipment for proper working order. Must have gas meter, tripod, harness, Blower and GFCI if working with power tools.  All tools must be in good working order. | Atmospheric and physical hazards | Protective Helmet  Gloves  Safety Glasses  Manhole Barriers | |
| 2. If working on road | Vehicles & people | Flaggers to set up work zone before crew arrives | |
| 3. Minimum confined space entry crew is Entrant, Attendant and Supervisor. |  | Upon arrival, barricade manhole or wet well from the public. | |
| 4. Remove lid and check for atmospheric and physical hazards. (Fill out entry form) |  | If O2, LEL, CO2, and H2S are not within the acceptable limits as shown on the permit entry form, use a blower to ventilate the space from bottom to top. | |
| 5. Check again and if ok – Continue work; if not, |  | Continue ventilation until acceptable ventilation until acceptable levels are achieved.  NOTE: If acceptable levels are not achievable and emergency situation exists – entrant must be knowledgeable of and wear self-contained breathing apparatus (SCBA) to do work. | |
| 6. Set up tripod |  | Don all safety gear and prepare tools | |
| 7. Attach harness to retrieval line and check for gas again. |  | Enter confined spaced and begin work. Attendant is to be at manhole or wet well opening to ensure verbal contact with entrant. | |
| 8. If alarm(s) sound, Entrant is to leave manhole or wet well |  | Ventilate with the blower. If gas is ok, return to work. | |
| 9. When work is finished, replace lid and remove barricades |  |  | |