Electrical Vault Permit Required Confined Space Entry Permit									
1. Electrical Vault E	OCEDURE A	ND PERMIT	7. Communication method used by attendants and entrants (Check all that apply)						
**All Shaded areas must be completed by Entry					Radio				
Supervisor or Entrant**					Voice				
2. Work to be Performed:				l	Other:				
				- Culoi.					
				8. Confined Space Rescue					
3. Date Issued: / / Time Issued: : □ a.m. □ p.m.					The assigned confined space attendant is responsible for evacuating entrants in the 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 Charlotte Fire Department will be notified by UNC Charlotte Police Dispatch at 704-687-2200 to provide rescue assistance. Upon the arrival of rescue personal the attendant should brief the rescuers of any notable information.				
4. Permit Space Hazards (X = Potential Hazard or Testing Rqmt.)				Authorized Entrants (List by name or attach roster)					
	s than or equal to 19	9.5% OR greater than or equal							
to 23.5 %. Flammable Gases or Vapors - hazardous when greater than 10% or									
X LEL.									
Hydrogen Sulfide - hazardous when greater than 10 PPM									
Carbon Monoxide - hazardous when greater than 50 PPM (always look for when welding or near a fuel combustion source (cars, utility carts, etc)									
Other Toxics:									
Mechanical Hazards (Pneumatic, Hydraulic, Electrical, Chemical,									
X Steam, Falling Objects, Etc.) Engulfment Potential									
Physical Hazards - (bees, insects, spiders, heat during summer).				10. Authorized Attendants (List by name)					
Confined Space Configuration, Layout or Arrangement				To: Mathorized /	10. Authorized Attendants (List by Hame)				
5. Additional Permits or Forms (Please attach if required)									
Hot Work Permit: □YES □NO □N/A LOTO / Hazardous Energy Control Procedure: □YES □NO □N/A									
Other:									
6. Equipment Required for Entry & Work (Check box when complete) Eye Protection, Body Harness, Fire Retardant									
PPE Clothing, other PPE standard.			E per NFPA 70 arc flash						
4 Gas Meter require atmosphere in vaul			red for testing, Test Ilt by using stratified method of						
Atmospheric Testing checking atmospace.			ere at different levels within the	11. Preparation for Entry (Check boxes when complete)					
Respiratory Protection atm			Not required for this space under normal atmospheric conditions. If levels are outside imits, ventilate space before entry.		Notify affected department of service interruption and complete the Confined Space Entry Permit and any other required permits and forms. Barricade the area to prevent public access, check the vault hatch for elevated temp & pressure, by touch and lifting lid slightly.				
		limits, ventilate spa			Inspect all required equipment, tools and PPE prior to entry. Barricade the area to prevent unauthorized entry or access. Setup necessary equipment for entry operations				
Ventilation Equipment a hazardous atmo		red if 4 gas meter indicates that		All electrical hazards must be fully controlled or eliminated before entry into the vault. High voltage equipment energy control may be needed which requires specialized operations, PPE and training. Ensure that all Hazardous Energy is isolated per the specific Hazardous Energy Control					
		a hazardous atmosphere is present or will occur from work operations.			Procedure. Sign in Authorized Entrants in Step 9 and Sign in Attendants in Step 10.				
					Test the atmosphere of the vault in a stratified method (from bottom of manhole to the top).				
		Not required under normal conditions. Attendant should be ready to call for help in the event that			Record sample readings on Step 12. Some gases are heavier than air and will settle in the bottom of the manhole. Testing continuously during entry. Periodically record sample readings in Step 12. Ventilation is required if 4 gas meter indicates that a hazardous atmosphere is present				
		the entrant is injure	red or becomes incapacitated.		or will occur from work operations. Upon eliminating or controlling all hazards and the Entry Supervisor signing Step 13, proceed to make entry.				
			Time:	Time:	Time:	Time:	Time:	Time:	
12. Atmosphere Testing Record Acceptable Conditions		ceptable	Entry #1 Results	Entry #2 Results	Entry #3 Results	Entry #4 Results	Entry #5 Results	Entry #6 Results	
CH4 - Less than 10% of LEL / LFL		L							
OXY - Oxygen Range - Minimum allowable = 19.6% to Maximum allowable = 23.4%									
H2S - Hydrogen Sulfide - < than 10 PPM									
CO - Carbon Monoxide - < than 35 PPM									
Other Toxic:									
Tester Initials									
13. Authorization by Entry Supervisors									
I certify that all required pre	cautions hav	ve been taken an		rovided for safe entry a	and work in this electric				
Printed Name		Signature			Date	Time	□a.m. □p.m.		
14. Permit Cancellation	n (Comple	ete at the end	of job not to exceed 2	4 hours)		Date	Time	□a.m. □p.m.	
This permit must be posted at the job site One Copy to Dept File and One Copy to EH&S Office (Fax 7-5302 or EHS Building)									