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 to be Performed and Location:						3. Date Issued: / /						
						Time Issued: : □ a.m. □ p.m.						
4. Permi	t Spac	e Hazards (X = F	Potential Hazard o	r Testing Requireme	nt)					•		
Х	Oxygen - hazardous when less that than or equal to 23.5 %.			an or equal to 19.5%	OR greater				cal Hazards (Pneuma alling Objects, Etc.)	tic, Hydraulic, Electr	ical, Chemical,	
X Flammable Gases or Vapors - haz			ardous when greater	r than 10% of	2	X		ent Potential				
Х	X Hydrogen Sulfide - hazardous whe			en greater than 10 PF	PM			Physical	Hazards - (bees, inse	ects, spiders, heat du	ring the summer)	
Х	X Carbon Monoxide - hazardous whe for when welding or near a fuel com				2	X	Confined Space Configuration, Layout or Arrangement					
Other Toxics:												
5. Addit	ional	Permits or Form	ns (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,	Tyvek suit, rubber gloves, rubber boots, and body harness.								
4-Gas Meter r				equired for testing. Test atmosphere in manhole by using stratified method of checking atmosphere at different levels within atmosphere is required throughout the duration of the entry.								
the space. Col				r this space under normal atmospheric conditions. If contaminant levels are outside limits, ventilate space before entry.								
			nere by 4-gas meter prior to and during entry. Ventilation must be used on this space if sewer gas is present.									
□ Rescu	ue Equ	uipment		ripod with 4-way hauling system to pull out entrant in the event of an emergency. Entrant must wear harness and be								
		-		e 4-way hauling system. entrants (Check all that apply) 8. Confined Space Rescue								
	Rad	dio	-	· ·	,		T	The assigned confined space attendant is responsible for evacuating entrants in the event of an emergency by means of vocal communication or retrieval				
	Voi	ce					e I s	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				
□ Other						7	Chandle Fire Department will be notined by DNC Chandle Police Dispatch at 704-687-2200 to provide rescue assistance. Upon the arrival of rescue personnel, the attendant should brief the rescuers of any notable information.					
9. Autho	rized	Entrants (List by	name)			10. Authorized Attendants (List by name)						
11. Preparation for Entry (Check boxes when complete)						Confined Space Entry Permit and other related permits or forms. Service on a						
		stormwater ma	nhole or catch bas	vice interruption and complete the Confined Space Entry Permit and other related permits or forms. Service on a in should be completed on a day with no precipitation or chance of precipitation. Stormwater coming into a manhole/								
Inspect all required equipment, to			card during entry. If necessary, use a pump within the stormwater manhole to remove excess water. bols and PPE prior to entry. Barricade the area to prevent unauthorized entry or access. Setup necessary equipment for									
entry operations.				s 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 reco							record reading on Step 12. Atmosphere should be continuously tested during ssary. Test atmosphere from the bottom to the top of the manhole so that all levels				
12. Atmosphere Testing Record Acceptable Conditions				Pre-Entry Results	Entry #1 Resu	ults	Entry #2	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 ₂ S - Hydrogen Sulfide - < than 10 PPM												
CO - Carbon Monoxide - < than 35 PPM												
Other To	oxic:											
Tester li	nitials											
		ion by Entry Sup		en and necessary of	quinment is pro-	vided fo	or safo o	entry and	ork in this starmwata	r manhole confined a	nace	
Printed I		required precaulit		inature	чатритент із ріот	vided for safe entry and work in this stormwat Date				Time	□ a.m. □ p.m.	
14. Perm	nit Car	ncellation (Comp	lete at the end of	job not to exceed 2	24 hours)				Date	Time	□a.m. □p.m.	
14. Permit Cancellation (Complete at the end of job not to exceed 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)												