Boiler Entry Operations Permit Required Confined Space Entry Permit										
1. Boiler Entry Procedure and Permit Boilers are permit required confined spaces if entry into the boiler is completed through a manway/hatchway. Boilers are not permit required confined spaces when the entire end shell of the boiler is removed for entry/work. **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. Permit Sp	ace Hazards (X = F	Potential Hazard o	r Testing Requiremen	nt)						
х	Oxygen - hazardous when less than or equal to 19.5 than or equal to 23.5 %.			OR greater	Х		cal Hazards (Pneuma alling Objects, Etc.)	tic, Hydraulic, Electri	cal, Chemical,	
х	Flammable Gase	es or Vapors - haz	ardous when greater	than 10% of			ent Potential			
X	Hydrogen Sulfide	e - hazardous whe	en greater than 10 PF	PM	Х	Physical Hazards - (bees, insects, spiders, heat during the summer)			ring the summer)	
х			greater than 50 PPM (always look ustion source (cars, utility carts, etc.)				, Layout or Arrangen	nent		
	Other Toxics:									
5. Additional Permits or Forms (Please attach if required)										
Hot Work Permit: UYES NO N/A LOTO / Hazardous Energy Control Procedure: UYES NO N/A Other:										
6. Equipment Required for Entry & Work (Check box when complete)										
		heat if necessary (gloves, long sleeves, etc.).								
Atmospheric Testing the space.										
Respirato	bry Protection		•	bace under normal atmospheric conditions. If levels are outside the limits, ventilate space before entry. red before and during entry unless the space is proven to be free of atmospheric hazards or no atmospheric						
Ventilat	ion Equipment	changes will oc	cur due to work operation	ations within the bo	ithin the boiler.					
Rescue Equipment Entrant will be rescued from horizontal entry by use of a lifeline that is directly connected to the full body harness. The attendation to assist the entrant in an emergency.								attendant is ready		
_		entrants (Check all th	nat apply) 8	8. Confined Space Rescue The assigned confined space attendant is responsible for evacuating en						
	Radio						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			
Voice Other						Charlotte Fire	harlotte Fire Department will be notified by UNC Charlotte Police Dispatch at 04-687-2200 to provide rescue assistance. Upon the arrival of rescue			
	ed Entrants (List by	nama)		1	personnel, the attendant should brief the rescuers of any notable information. 10. Authorized Attendants (List by name)					
11. Preparat	tion for Entry (Chec									
		Notify affected department of service interruption and complete the Confined Space Entry Permit and any other required permits and forms. Inspect all required equipment, tools and PPE prior to entry. Barricade the area to prevent unauthorized entry or access. Setup necessary equipment								
	entry operations.					us Energy Control Procedure. All energy sources (steam, electrical, natural gas) are				
						rgy release to the entrant. The boiler must be at zero pressure and allowed to cool				
	Sign in Authorized Entrants in Step 9 and Sign in Attendants in Step 10.									
	entry. Periodica	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. Forced air ventilation is required before and during entry into the boiler unless the space is proven to be free of atmospheric hazards or no atmospheric changes will occur due to work operations within the boiler.								
	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 Initia	als									
	ation by Entry Sup		en and necessary er	uipment is provide	d for safe	entry and w	ork in this boiler confi	ned space		
Printed Nam			inature		ovided for safe entry and work in this boiler con Date			Time	□a.m. □p.m.	
14. Permit C	ancellation (Comp	lete at the end of	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)										