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 Space Hazards (X = Potential Hazard or Testing Requirement)											
X	Oxygen - hazard	an or equal to 19.5%		Х		cal Hazards (Pneuma	itic, Hydraulic, Electri	ical, Chemical,			
X			ardous when greater	than 10% of			alling Objects, Etc.) ent Potential				
X	LFL / LEL.	on greater than 10 DE	200	X			azards - (bees, insects, spiders, heat during the summer)				
X	Carbon Monoxide	- hazardous when	en greater than 10 PF greater than 50 PPM (always look	Y Confined Space Configuration Layout or Arrangement						
	Other Toxics:	or near a fuel comb	ustion source (cars, utility carts, etc.)				- Space Coringulation	on, Layout of Attraingomont			
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)											
□ PPE	4	i i	pody harness, other PPE for heat if necessary (gloves, long sleeves, etc.).								
□ Atmos	☐ Atmospheric Testing 4-Gas Meter rethe space.		quired for testing. Test atmosphere in boiler by using stratified method of checking atmosphere at different levels within								
□ Respirat	ory Protection	this space under no	rmal atmospheric	eric conditions. If levels are outside the limits, ventilate space before entry.							
□ Ventila	tion Equipment		required before and during entry unless the space is proven to be free of atmospheric hazards or no atmospheric ur due to work operations within 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 at to assist the entrant in an emergency.								attendant is ready			
7. Communi	cation method used			entrants (Check all that apply) 8. Confined Space Rescue							
	Radio	· · · · · · · · · · · · · · · · · · ·					The assigned confined space attendant is responsible for evacuating entrants in the event of an emergency by means of vocal communication or retrieval				
	Voice				space. In the	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						704-687-2200 to provide rescue assistance. Upon the arrival of rescue personnel, the attendant should brief the rescuers of any notable information.					
9. Authorize	ed Entrants (List by	name)			10. Authorized Attendants (List by name)						
11. Prepara	tion for Entry (Ched	k boxes when cor	mplete)	olete)							
		Notify affected department of service interruption and complete the Confined Space Entry Permit and any other required permits and forms.									
	entry operation	entry operations.					the area to prevent unauthorized entry or access. Setup necessary equipment for				
	fully controlled		ardous Energy Control Procedure. All energy sources (steam, electrical, natural gas) are if energy release to the entrant. The boiler must be at zero pressure and allowed to cool								
		for at least 72 hours before entry is attempted. 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 eliminatir	ng or controlling all	hazards and the En	hazards and the Entry Supervisor signing Step 13, proceed to make entry.							
12. Atmosphere Testing Record Acceptable Conditions			Pre-Entry Results	Entry #1 Resul	ts 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 ₂ S - Hydrogen Sulfide - < than 10 PPM											
CO - Carbon Monoxide - < than 35 PPM											
Other Toxic		· ···									
Tester Initi											
13. Authorization by Entry Supervisors											
I certify that	all required precaution	ons have been tak		quipment is provi	ded for safe		ork in this boiler confi		□2 m □2 m		
Printed Nar	IIE	Sig	jnature				Pate	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.									□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)											