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: / /														
4 Dormit 6	Snaaa	Hozarda (V – D	lotontial Hazard a	r Taating Paguiroma	nt\	Time Iss	ued:	: 🗆 a.m.	□ p.m.					
X	J. Permit Space Hazards (X = Potential Hazard of X Oxygen - hazardous when less the than or equal to 23.5 %.					Х		cal Hazards (Pneuma alling Objects, Etc.)	tic, Hydraulic, Electri	cal, Chemical,				
Х	Flammable Cases or Vanore has			ardous when greater	than 10% of			ent Potential						
X			e - hazardous whe	en greater than 10 PF	PM	Х	Physical	Hazards - (bees, inse	ects, spiders, heat du	ring the summer)				
X	Carbon Monoxide - hazardous when for when welding or near a fuel comb			greater than 50 PPM (always look	X Confined Space Configuration, Layout or Arrangement								
		Other Toxics:	57 Noan & 1461 561115	addien deal de (daile) at	anty curto, cici,									
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	7 1			body harness, other PPE for heat if necessary (gloves, long sleeves, etc.).										
☐ 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												
□ Respira				this space under normal atmospheric conditions. If levels are outside the limits, ventilate space before entry.										
□ Ventila	/entilation Equipment changes will oc			is required before and during entry unless the space is proven to be free of atmospheric hazards or no atmospheric cur due to work operations within the boiler.										
□ Rescue	e Equi	pment		escued from horizont trant in an emergency	cued from horizontal entry by use of a lifeline that is directly connected to the full body harness. The attendant is ready nt in an emergency.									
7. Commur	nicatio	n method used b			ntrants (Check all that apply) 8. Confined Space Rescue									
	Radi	0					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							
	Voice			space. In the event the atte				event the attendant is u	ant is unable to evacuate the entrant(s), the 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. Authoriz	ized E	ntrants (List by r	name)		10. Authorized Attendants (List by name)									
11. Prepar	ration	for Entry (Chec	k boxes when cor	nplete)										
		Notify affected department of service interruption and complete the Conf												
		Inspect all requi entry operations		ools and PPE prior to	s and PPE prior to entry. Barricade the area to prevent unauthorized entry or access. Setup necessary equipment for									
		fully controlled s		r is isolated per the specific Hazardous Energy Control Procedure. All energy sources (steam, electrical, natural gas) are can be completed with no risk of energy release to the entrant. The boiler must be at zero pressure and allowed to cool is attempted.										
				o 9 and Sign in Attendants in Step 10.										
		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 Resul	s 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 Toxi		- I I I I I I I I I I I I I I I I I I I												
Tester Initials														
13. Authorization by Entry Supervisors														
I certify tha	at all re		ons have been tak	en and necessary ed	quipment is provid	led for safe				Da 5				
Printed Na	ame		Sig	jnature			D	ate	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	s permit must be pos	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)										