Boiler Entry Operations Permit Required Confined Space Entry Permit										
Boiler ENTRY PROCEDURE AND PERMIT					Communication	method used by atter	ndants and entrants (	Check all that appl	y)	
Boilers are a permit required confined space if entry into the boiler is completed through a manway/hatchway. Boilers are not permit required confined spaces when					0	Radio				
the entire end shell of the boiler is removed for entry/work.  **All Shaded areas must be completed by Entry Supervisor or Entrant**					0	Voice				
2. Work to be Performed:					_	Other:				
					Confined Space I					
3. Date Issued: / / Time Issued: : □ a.m. □ p.m.					by means of vocal commun enter the confined space. Ir Department will be notified I	the attendant is responsible for ication or retrieval equipmen in the event the attendant is un by UNC Charlotte Police Dispersonal the attendant should	t used for the entry. At r nable to evacuate the en patch at 704-687-2200 to	no time will the attendant attrant(s) the Charlotte Fire provide rescue assistance.		
4. Permit Space Hazards (X = Potential Hazard or Testing Rqmt.)					Authorized Entra	trants (List by name or attach roster)				
X Oxygen - hazardous when less than or equal to 19.5% <i>OR</i> greater than or equal to 23.5 %.										
Flammable Gases or Vapors - hazardous when greater than 10% of LFL /										
X Hydrogen Sulfide - hazardous when greater than 10 PPM										
Carbon Monoxide - hazardous when greater than 50 PPM ( always look for										
when weiding or hear a rulei combustion source (cars, utility cars ,etc)										
Other Toxics:										
Mechanical Hazards (Pneumatic, Hydraulic, Electrical, Chemical, Steam, Falling Objects, Etc.)										
Engulfment Potential										
X Physical Hazards - (bees, insects, spiders, heat during summer).				10. Authorized Attendants (List by name)						
Confined Space Configuration, Layout or Arrangement				-	. Matriorized Atto	Tidanto (Elector Indiana	<u> </u>			
5. Additional Permits or Forms (Please attach if required)				1						
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)				1						
Eye Protection, Body Harness, other PPE for heat				t						
if necessary (gloves, long sleeves, etc).			es, long sieeves, etc).							
Atmospheric Testing in boiler by using s			ired for testing, test atmosphere stratified method of checking ferent levels within the space.	11	. Preparation fo	r Entry (Check box	es when complete)			
			is space under normal			Notify affected department of service interruption and complete the Confined Space Entry Permit and any other required permits and forms.				
			c conditions. If levels are outside ate space before entry.		0	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 unless the space atmospheric haz		required before and during entry is proven to be free of rds or no atmospheric changes			Ensure that all Hazardous Energy is isolated per the specific Hazardous Energy Control Procedure. All energy sources (steam, electrical, natural gas) are fully controlled so that safe entry can be completed with no risk of 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.					
			will occur due to work operations within the boiler.			Sign in Authorized Entrants in Step 9 and Sign in Attendants in Step 10.				
use of a lifeli		use of a lifeline that	escued from horizontal entry by hat is directly connected to the full he attendant is ready to assist the			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.				
		entrant in an eme	rgency.		0	Upon eliminating or controlling all hazards and the Entry Supervisor signing Step 13, proceed to make entry.				
Time:				Tir	me:	Time: Time: Time:				
12. Atmosphere Testing Record Acceptable Conditions		Entry #1 Results	En	try #2 Results	Entry #3 Results	Entry #4 Results	Entry #5 Results	Entry #6 Results		
CH4 - Less than 10% of LEL / LFL										
OXY - Oxygen Range - Minimum allowable = 19.6% to Maximum allowable = 23.4%										
H2S - Hydrogen Sulfide - < than 10 PPM				H						
CO - Carbon Monoxide - < than 35 PPM				T						
Other Toxic:										
Tester Initials										
13. Authorization b	y Entry Supervi	isors								
I certify that all required precautions have been taken and necessary equipment is preprinted Name  Signature					ded for safe entry and	work in this Boiler confir	ned space.  Date	Time	□a.m. □p.m.	
14. Permit Cance	Ilation (Compl	lete at the end	I of job not to exceed 2	ours)		Date	Time	□a.m. □p.m.		
			to Dept File and One Copy		•	5302 or EHS Building)		0		