



MECKLENBURG COUNTY

Land Use and Environmental Services Agency

- AIR QUALITY -

NOTIFICATION OF CONSTRUCTION/OPERATION OF BOILER UNDER NSPS SUBPART Dc

This form is due within 30 days of the construction, reconstruction, or installation of a boiler subject to **NSPS Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units**. Written notification of actual startup date is required as referenced in **40 CFR 60.48c**. Please write legibly.

1.	Name of facility	
2.	Air Permit number (PC/O#)	
3.	Address of facility	
4.	Name/Title of Person filling out this form	
5.	Telephone Number	
6.	Date of Construction/Reconstruction of boiler	
7.	Anticipated Date of Initial Startup <i>Note: This information must be provided no later than 30 days before anticipated date and no earlier than 60 days of anticipated date. You may leave this item blank and phone in the anticipated date to Mecklenburg County Air Quality (704-336-5500).</i>	
8.	Actual date of Initial Startup <i>Note: This information is due in writing within 15 days of actual startup.</i>	
9.	Design Heat Input Capacity of the Boiler	
10.	What Fuels will be combusted at the facility?	
11.	Annual Capacity Factor ¹ at which you anticipate operating the boiler based on all fuels fired and each individual fuel fired. Based on all fuels fired: Based on Individual fuels (specify name & capacity)	

¹ Annual Capacity Factor is defined as the ratio between the actual heat input to a boiler during a 12 month period (from any one or a combination of fuels) and the potential heat input to the unit from all fuels if the unit had been operated 8760 hours at the maximum design heat input capacity.

Calculation Example: You have a 12.6 million BTU/hr boiler and plan to use it for 4000 hours each year, using natural gas 95% of the time and distillate oil 5% of the time. The Annual Capacity for Natural gas is: $(0.95 \times 4000 \text{ hrs} \times 12.6 \text{ Million Btu/hr}) / (8760 \text{ hrs} \times 12.6 \text{ million Btu/hr}) = 0.4$. The annual capacity of distillate oil is $(0.05 \times 4000 \text{ hrs} \times 12.6 \text{ Million Btu/hr}) / (8760 \text{ hrs} \times 12.6 \text{ million Btu/hr}) = 0.02$. The annual capacity of all fuels fired is $(4000 \text{ hrs} \times 12.6 \text{ million Btu/hr}) / (8760 \text{ hrs} \times 12.6 \text{ million Btu/hr}) = 0.5$.