FORM C1

CONTROL DEVICE (FABRIC FILTER)

REVISED 12/01/01 **NCDENR/Division of Air Quality - Application for Air Permit to Construct/Operate** **C1**

CONTROL DEVICE ID NO:	CONTROLS EMISSIONS FROM WHICH EMISSION SOURCE ID NO(S):
EMISSION POINT (STACK) ID NO(S):	POSITION IN SERIES OF CONTROLS NO. OF UNITS

MANUFACTURER:	MODEL NO:
DATE MANUFACTURED:	PROPOSED OPERATION DATE:
OPERATING SCENARIO:	PROPOSED START CONSTRUCTION DATE:
_____ OF _____	P.E. SEAL REQUIRED (PER 2Q .0112)? **G** YES **G** NO

DESCRIBE CONTROL SYSTEM:

POLLUTANT(S) COLLECTED:				
BEFORE CONTROL EMISSION RATE (LB/HR):				
CAPTURE EFFICIENCY:	%	%	%	%
CONTROL DEVICE EFFICIENCY:	%	%	%	%
CORRESPONDING OVERALL EFFICIENCY:	%	%	%	%
EFFICIENCY DETERMINATION CODE:				
TOTAL EMISSION RATE (LB/HR):				

PRESSURE DROP (IN. H_20): MIN: MAX: GAUGE? **G** YES **G** NO WARNING ALARM? **G** YES **G** NO

BULK PARTICLE DENSITY (LB/FT^3):	INLET TEMPERATURE (^{o}F): MIN MAX
POLLUTANT LOADING RATE: **G** LB/HR **G** GR/FT^3	OUTLET TEMPERATURE (^{o}F): MIN MAX
INLET AIR FLOW RATE (ACFM):	FILTER MAX OPERATING TEMP. (^{o}F):

NO. OF COMPARTMENTS:	NO. OF BAGS PER COMPARTMENT:	LENGTH OF BAG (IN.):
DIAMETER OF BAG (IN.):	DRAFT: **G** INDUCED/NEG. **G** FORCED/POS.	FILTER SURFACE AREA (FT^2):
AIR TO CLOTH RATIO:	FILTER MATERIAL: **G** WOVEN **G** FELTED	

DESCRIBE CLEANING PROCEDURES:

G AIR PULSE **G** SONIC
G REVERSE FLOW **G** SIMPLE BAG COLLAPSE
G MECHANICAL/SHAKER **G** RING BAG COLLAPSE
G OTHER

DESCRIBE INCOMING AIR STREAM:

PARTICLE SIZE DISTRIBUTION

SIZE (MICRONS)	WEIGHT % OF TOTAL	CUMULATIVE %
0-1		
1-10		
10-25		
25-50		
50-100		
>100		
	TOTAL = 100	

METHOD FOR DETERMINING WHEN TO CLEAN:
G AUTOMATIC **G** TIMED **G** MANUAL

METHOD FOR DETERMINING WHEN TO REPLACE THE BAGS:
G ALARM **G** INTERNAL INSPECTION **G** VISIBLE EMISSION **G** OTHER

SPECIAL CONDITIONS:
G MOISTURE BLINDING **G** CHEMICAL RESISTIVITY **G** OTHER
EXPLAIN:

DESCRIBE MAINTENANCE PROCEDURES:

ON A SEPARATE PAGE, ATTACH A DIAGRAM SHOWING THE RELATIONSHIP OF THE CONTROL DEVICE TO ITS EMISSION SOURCE(S):

Attach Additional Sheets As Necessary