

FORM C8

CONTROL DEVICE (WET PARTICULATE SCRUBBER)

REVISED 12/01/01

NCDENR/Division of Air Quality - Application for Air Permit to Construct/Operate

C8

CONTROL DEVICE ID NO:	CONTROLS EMISSIONS FROM WHICH EMISSION SOURCE ID NO(S):		
EMISSION POINT ID NO(S):	POSITION IN SERIES OF CONTROLS:	NO.	OF UNITS
MANUFACTURER:	MODEL NO:		
DATE MANUFACTURED:	PROPOSED OPERATION DATE:		
OPERATING SCENARIO:	PROPOSED CONSTRUCTION DATE:		
_____ OF _____	P.E. SEAL NEEDED (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 EFFICIENCY:	_____ %	_____ %	_____ %
EFFICIENCY DETERMINATION CODE:	_____	_____	_____
TOTAL EMISSION RATE (LB/HR):	_____	_____	_____

PRESSURE DROP (IN. H ₂ O):	MIN	MAX	WARNING ALARM?	G YES	G NO
INLET TEMPERATURE (°F):	MIN	MAX	OUTLET TEMPERATURE (°F):	MIN	MAX
INLET AIR FLOW RATE (ACFM):			MOISTURE CONTENT :	INLET %	OUTLET %
THROAT VELOCITY (FT/SEC):			THROAT TYPE:	G FIXED	G VARIABLE
TYPE OF SYSTEM:	TYPE OF PACKING USED IF ANY:				
ADDITIVE LIQUID SCRUBBING MEDIUM:	PERCENT RECIRCULATED:				
MINIMUM LIQUID INJECTION RATE (GAL/MIN):			FLOW RATE GAUGE INSTALLED?	G YES	G NO

MAKE UP RATE (GAL/MIN): _____ FOR ADDITIVE (GAL/MIN): _____

DESCRIBE MAINTENANCE PROCEDURES:	PARTICLE SIZE DISTRIBUTION		
	SIZE (MICRONS)	WEIGHT % OF TOTAL	CUMULATIVE %
	0-1		
	1-10		
	10-25		
	25-50		
	50-100		
	>100		
TOTAL = 100			

DESCRIBE ANY MONITORING DEVICES, GAUGES, TEST PORTS, ETC:

ATTACH A DIAGRAM OF THE RELATIONSHIP OF THE CONTROL DEVICE TO ITS EMISSION SOURCE(S):

Attach Additional Sheets As Necessary