

FORM C8

CONTROL DEVICE (WET PARTICULATE SCRUBBER)

REVISED 09/22/16

NCDEQ/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			
OPERATING SCENARIO:					
_____ OF _____		P.E. SEAL NEEDED (PER 2Q .0112)? <input type="checkbox"/> YES <input type="checkbox"/> 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 AFTER CONTROL EMISSION RATE (LB/HR): _____					
PRESSURE DROP (IN. H ₂ O): _____ MIN _____ MAX					
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: <input type="checkbox"/> FIXED <input type="checkbox"/> VARIABLE		
TYPE OF SYSTEM:			TYPE OF PACKING USED IF ANY:		
ADDITIVE LIQUID SCRUBBING MEDIUM:			PERCENT RECIRCULATED:		
MINIMUM LIQUID INJECTION RATE (GAL/MIN):					
MAKE UP RATE (GAL/MIN): _____ FOR ADDITIVE (GAL/MIN): _____					
DESCRIBE MAINTENANCE PROCEDURES:			PARTICLE SIZE DISTRIBUTION		
			SIZE (MICRONS)	WEIGHT % OF TOTAL	CUMULATIVE %
DESCRIBE ANY MONITORING DEVICES, GAUGES, TEST PORTS, ETC:			0-1		
			1-10		
			10-25		
			25-50		
			50-100		
			>100		
			TOTAL = 100		
ATTACH A DIAGRAM OF THE RELATIONSHIP OF THE CONTROL DEVICE TO ITS EMISSION SOURCE(S):					
COMMENTS:					

Attach Additional Sheets As Necessary