

FORM C6

CONTROL DEVICE (GASEOUS ABSORBER)

REVISED 09/22/16

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

C6

AS REQUIRED BY 15A NCAC 2Q .0112, THIS FORM MUST BE SEALED BY A PROFESSIONAL ENGINEER (P.E.) LICENSED IN NORTH CAROLINA.

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 _____	

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	
INLET TEMPERATURE (°F): _____ MIN _____ MAX	OUTLET TEMPERATURE (°F): _____ MIN _____ MAX
INLET AIR FLOW RATE (ACFM): _____	GAS VELOCITY (FT/SEC): _____
TOTAL GAS PRESSURE (PSIG): _____	GAS DEW POINT (°F): _____

TYPE OF SYSTEM:			
PACKED COLUMN	TYPE OF PACKING:	COLUMN LENGTH (FT):	COLUMN DIAMETER (FT):
PLATE COLUMN	PLATE SPACING (INCHES):	COLUMN LENGTH (FT):	COLUMN DIAMETER (FT):
ADDITIVE LIQUID SCRUBBING MEDIUM:	PERCENT RECIRCULATED:		
MINIMUM LIQUID INJECTION RATE (GAL/MIN):	MAKE UP RATE (GAL/MIN):	FOR ADDITIVE (GAL/MIN):	
pH RANGE:	METHOD pH MONITORING:		

DESCRIBE MAINTENANCE PROCEDURES:

DESCRIBE ANY FIRE DETECTION DEVICES AND ANY MEANS OF FIRE SUPPRESSION:

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

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

COMMENTS:

Attach Additional Sheets As Necessary