South Dakota
Department of Environment & Natural Resources
Protecting SD's Tomorrow...Today

Air Quality Permit Application

Wet Scrubber Data Sheet

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and processes served by this wet scrubber (please list all equipment and processes):

Equipment and Processes

1.	
2.	
3.	
4.	
5.	

Manufacturer Information:

Manufacturer?

Manufacturer date?   Installation date?

Manufacturer's designed control efficiency?   %

Type of wet scrubber (please check one)?

☐ Venturi   ☐ Demister   ☐ Other (specify)

Scrubbing Additives?

Wet Scrubber Operation and Maintenance:

Pressure drop across wet scrubber?   inches water (minimum)   inches water (maximum)

Inlet Temperature?   Fahrenheit (minimum)   Fahrenheit (maximum)

Outlet Temperature?   Fahrenheit (minimum)   Fahrenheit (maximum)

Water recycled (check one)?   Yes   No

If yes, number of pond(s):   Pond size: Type of liner:

If no, describe type of treatment and location of any planned water discharge from the property:

Describe maintenance of wet scrubber (visual inspection, how often ponds are cleaned, etc.)

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: [1]   [   ] feet   or   [   ] meters

Y- Coordinate or Northing: [1]   [   ] feet   or   [   ] meters

Base Elevation of Stack: [1]   [   ] feet   or   [   ] meters

Stack Height: [   ] feet   or   [   ] meters

Exit Stack Diameter   [   ] feet   or   [   ] meters

Exit Stack Temperature   [   ] degrees Fahrenheit

Exit Stack Velocity and/or Flow Rate:

 Velocity: [   ] feet per second   [   ] meters per second

and/or

 Flow Rate: [   ] actual cubic feet per minute   [   ] actual cubic meters per second

[1] - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.