

AIRECON MANUFACTURING CORP

5271 Brotherton Court - Cincinnati, OH 45227

P: (513) 561-5522 F: (513) 561-0166

inquiries@airecon.com - www.airecon.com

Instructions: Complete the following form. Email to inquiries@airecon.com OR fax to (513) 561-0166.

SCRUBBER QUESTIONNAIRE

1. Contact Information

Company Name: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: _____ Fax: _____ Email: _____
 Contact Person: _____ Title: _____

2. Type of Process:

Source of Gas: _____
 Maximum Process Weight: _____ lb/hr (kg/hr)
 Type of Fuel (if combustion is involved): _____ Composition: _____

3. Gas Volume:

_____ CFM at Standard Conditions (70°F, 29.92" Hg, 1 atm) DRY
 _____ CFM at Standard Conditions (70°F, 29.92" Hg, 1 atm) WET
 _____ ACFM (Actual)
 _____ Average CFM _____ Maximum CFM
 _____ Dry Bulb Temperature (°F) _____ Wet Bulb Temperature (°F)
 _____ Scrubber Inlet Pressure ("wg) _____ Plant Elevation (ft.)
 Fluctuations in Gas Volume: _____ Fluctuations in Temperature _____

4. Gas Composition:

_____ % Water (specify by weight or volume)
 _____ Dry Gas Analysis

5. Particulate Matter:

Concentration of Solids (gr./DSCF):	Average _____	Maximum _____
Concentration of Solids (lb/hr):	Average _____	Maximum _____
Aerosols or Condensables (gr./DSCF):	Average _____	Maximum _____

Particle Size Distribution - % by weight:

_____ Above 10 Microns	_____ 5-10 Microns
_____ 1-4.9 Microns	_____ Below 1 Micron

Method of Analysis: _____

6. Chemistry of Solids:

_____ pH of Saturated Suspension
 Analysis: _____

7. Physical Properties of Solids:

Shape of Particles: _____
 Specific Gravity: _____
 Settling Rate in Liquid: _____
 Soluble in Water Insoluble in Water
 Corrosive Abrasive Sticking Tendency

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SCRUBBER QUESTIONNAIRE

8. Scrubbing Liquid Available:

Water Available (gpm): _____

Source of Water: _____ Analysis: _____ pH: _____ Solids: _____

Temperature of Water: _____

Are Process Liquids Available for Use?

Volume: _____

Composition: _____

pH: _____

Additive Materials (for Gas Absorption): _____

9. Past Experience:

Has other control equipment been used for this issue? _____

If so, what is experience? _____

Would you expect corrosion? _____

Recommended Materials of Construction: _____

10. Emission Levels:

What is required contaminant emission levels?

_____ Particulate (gr./DSCF)

_____ Gaseous (lb/hr)

_____ Gaseous (ppm by volume)

11. Waste Disposal:

Can collected material be returned to process? _____

Capacity of holding pond: _____

Is sludge dewatering required? _____

If so, to what extent? _____

12. Plume Suppression:

Is reheat of scrubber exit gas or aftercooling required for plume suppression? _____

13. Proposed Location of Unit:

Are there space limitations? _____

Are there weight limitations? _____

Existing Plant

New Plant