



SCRUBBER/FAN QUESTIONNAIRE-Fiberglass Construction

Date _____

Instructions: Please provide as much information as possible to help us determine your particular needs. This will allow us to be of better service to you. Attach any related documents including drawings and equipment specifications. Include a cover sheet and send this to your Representative or to Harrington.

Completed by: _____ Company: _____

Customer/Project: _____ Tag: _____

Engineering Firm: _____ Phone: _____ Contact: _____

Quotation required?: _____ Budgetary or Immediate Purchase

Destination: _____ New Installation or Replacement/Retrofit

Estimated Date Equipment Required on Site: _____

Process or Source Description: _____

Total Air Volume: _____ Actual Cubic Feet per Minute (ACFM)

Total External Static Pressure: _____ Inches Water Column (Inch W.C.) at Scrubber Inlet

Air Temperature at Scrubber Inlet: _____ °F Elevation: _____ feet above sea level

Operation or Duty: _____ hours per day, _____ days per week, _____ days per year

Supply Voltage: 230/460/3/60 Other: _____

Equipment Required:

- Scrubber Design: Horizontal (Cross Flow), Vertical (Counter Current) or As Required
- Qty: _____ Operating Standby Scrubber Model: _____
- Chemical Feed System with pH Control Double Containment for Scrubber Sump
- Standby (redundant) scrubber pump Freeze Protection for Scrubber Sump

- FRP Exhaust Fan Design: Centrifugal, Inline Centrifugal or As Required
- Qty: _____ Operating Standby Control Damper

- FRP Duct, Fittings and Dampers Scrubber Inlet Dust Size: _____ Inches

- Electrical Controls and Instrumentation
- Control Panel: Shipped Loose or Mounted and Wired

Fan Motor Control: Full Voltage, Soft Start or Variable Frequency Drive (VFD)

Control Panel Located: Indoors or Outdoors Explosion Proof

Other: _____

Scrubber/Fan Questionnaire

Site Conditions:

Installation: Indoors or Outdoors

Ground Level or Roof Installation

Wind Load: _____ Seismic Zone: _____ Stamped Calcs (Structural, Chemical, Hydraulic)

Describe the available space for the exhaust equipment (length, width, height, etc. include sketch):

Air Contaminants/Design Parameters:

Contaminants – Inlet Loading (ppmv) – Expected Removal Efficiency (%) or Outlet Loading (ppmv)

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

Has any test been performed to determine contaminants? Report and data attached

Indicate Your Requirements or the importance of the Following: _____

Protect the building (inside/outside) from corrosive air? _____

Protect the employees from air contaminants? _____

Comply with local air quality regulations? _____

Water consumption? _____

Power consumption? _____

Treatment of scrubber below down liquid? _____

Any products or materials not approved? _____

Equipment located near residential area? _____

Note: _____
