

Dust Collection Application Evaluation

Client Company: _____

Installation Address: _____

Person Responsible for project: _____

Project Reference: _____

Process Description:

Type of dust:

Generic description _____
 Chemical Name (s) _____

Dust properties:

- | | | |
|---|---|--------------------------------------|
| <input type="checkbox"/> Granular | <input type="checkbox"/> Sticky | <input type="checkbox"/> Fine powder |
| <input type="checkbox"/> Free Flowing | <input type="checkbox"/> Fibers | <input type="checkbox"/> Coarse |
| <input type="checkbox"/> Hygroscopic absorbs moisture | <input type="checkbox"/> Combustible | <input type="checkbox"/> Stringy |
| <input type="checkbox"/> Flammable | <input type="checkbox"/> Contains irregular non granular pieces | |
| <input type="checkbox"/> Contains liquid | | |
| <input type="checkbox"/> Other properties _____ | | |

Bulk Density in Pounds per cubic foot _____
 Size Range in Microns _____
 Inlet Loading in pounds per minute or grains per cubic foot _____
 Variation in loading: Maximum Load in 5 minute period _____
 Operation: Continuous _____ 8 hrs /day _____ Other _____

Gas:

Air _____ Other Gas(es) _____
 Water Vapor _____
 Free Moisture Present : Yes _____ No _____
 Oil Mist: Loading _____

Compressed air available : _____ SCFM Pressure in Psig _____ Type of Air Dryer installed _____

History: Has dust collector been installed on this process before ?

Cyclone; _____ Air Volume _____
 Manufacturer and Model _____

Shaker Collector; _____ Sq. ft. of media _____ Air Volume _____
 Type of filter media _____
 Manufacturer and Model _____

Pulse Jet; _____ Sq. ft. of media _____ Air Volume _____
 Type of filter media _____
 Manufacturer and Model _____

Cartridge Collector; _____ Sq. ft. of media _____ Air Volume _____
 Type of filter media _____
 Manufacturer and Model _____

Description of system:

Operations that are vented e.g. grinding, welding, transfer points, sanding, foundry shake out, etc

- 1 Operation_____ CFM at Pickup_____
- 2 Operation_____ CFM at Pickup_____
- 3 Operation_____ CFM at Pickup_____
- 4 Operation_____ CFM at Pickup_____
- 5 Operation_____ CFM at Pickup_____
- 6 Operation_____ CFM at Pickup_____
- 7 Operation_____ CFM at Pickup_____
- 8 Operation_____ CFM at Pickup_____
- 9 Operation_____ CFM at Pickup_____
- 10 Operation_____ CFM at Pickup_____

Design Volume in CFM_____

Pressure drop in system in inches of water column_____

Temperature Degrees F (Range)_____

Dew Point Degrees F_____

Size of pipe connection to dust collector_____ (pipe size)

Insulated housing (yes or no)_____

Location of collector (indoors or outdoors)_____

Comments_____

Are you interested in free correspondence course on advanced technology in dust collection systems
Yes_____ No_____