Dry Filtration

Company _____
Address _____
_____
Contact person _____ Telephone _____
Fax _____ E-mail _____

Dust collector

1. Manufacturer of dust collector _____
2. No. of sections _____ Bags per section _____ Total installed _____
3. Process of dust collector application _____
4. Air volume [designed] _____ [Nm^3/h]
5. Air to cloth ratio _____ [m/h] or _____ [m/min]
6. Fan(s) location _____ [before / after bags]
7. Inlet gas temperature _____ [°C]
8. Cell plate specification _____ [Φ x thickness, mm]
   Bag specification: Diameter _____ [mm] x length _____ [mm]
   (If applicable, drawing and/or sample required)
9. Previous bag service life _____ and material used: _____
10. Method of cleaning
    - ○ Pulse jet
    - ○ Reverse air
    - ○ Shacking
    - ○ Beating
    - ○ Vibration
    - ○ Online cleaning
    - ○ Offline Cleaning
    - ○ DP controlled
    - ○ Time controlled
11. Cleaning pressure _____ [bar] or _____ [Pa]
12. Cleaning frequency _____ Cleaning interval _____
13. Water dew point temperature _____ [°C]
    Frequency of operation below water dew point _____ [°C]
    Acid dew point temperature _____ [°C]
    Frequency of operation below acid dew point _____ [°C]
14. Inlet duct air velocity _____
15. Operation of dust collector
    - ○ Continuous
    - ○ Discontinuous
16. Shut downs per year _____
17. Max. designed delta pressure _____ [bar/Pa]

Normal operation delta pressure _____ [bar/Pa]

Inlet dust

1. Type of dust _____
2. Characteristics of dust

☐ Hygroscopic
☐ Agglomerating
☐ Abrasive
☐ Sticky
☐ Corrosive
☐ Static load
☐ Oily or fat
☐ Others_____

3. Particle size

☐ Rough _____ [μ or %]
☐ Average
☐ Fine
☐ Very fine

4. Chemical composition _____
5. Inlet gas load [mg/Nm^3] _____

Inlet gas

1. Gas steam composition

☐ H_2O _____ [Vol. %]
☐ O_2 _____ [mg/Nm^3]
☐ SO_2/SO_3 _____ [mg/Nm^3]
☐ NO_x/NO_2 _____ [mg/Nm^3]
☐ HCL _____ [mg/Nm^3]
☐ HF _____ [mg/Nm^3]
☐ Others _____

2. PH value of dust in water _____
3. Typical mode of previous bag failure in the baghouse

_____
_____
_____
_____
_____
_____
_____