



Coal-fired boiler Treatment – Questionnaire

Company _____

Contact Person _____

Address _____

Telephone _____

Telefax _____

Email _____

Type of Industry _____

Please fill in this questionnaire for each boiler or furnace.

If there are more identical boilers or furnaces, please show on boiler manufacturer line the number of boilers with the same characteristics.

GENERAL INFORMATION

Boiler Manufacturer _____

Boiler No. _____

Operating hours per year _____

Average Coal Consumption (t/h) _____

Coal type _____

Spray Water to control SH-RH temperatures yes no

TEMPERATURES

	Start of firing	end of firing
Increase of furnace temperature (°C)	_____	_____



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PROBLEM REPORT

- | | | |
|--|-------------------------------|--|
| Hard deposits in SH-RH sections | <input type="checkbox"/> yes | <input type="checkbox"/> no |
| Corrosion in SH-RH sections | <input type="checkbox"/> yes | <input type="checkbox"/> no |
| Slagging/Plugging in SH-RH sections | <input type="checkbox"/> yes | <input type="checkbox"/> no |
| Slagging/Plugging in the economiser | <input type="checkbox"/> yes | <input type="checkbox"/> no |
| Corrosion in the economiser | <input type="checkbox"/> yes | <input type="checkbox"/> no |
| Slagging/Plugging in air-heater | <input type="checkbox"/> yes | <input type="checkbox"/> no |
| Slag/deposits characteristic | <input type="checkbox"/> hard | <input type="checkbox"/> soft |
| Water soluble | <input type="checkbox"/> yes | <input type="checkbox"/> no |
| Cleaning interval of boiler | _____ | months |
| Duration of mechanical cleaning | _____ | days |
| Availability of Photos of clean boiler | <input type="checkbox"/> yes | <input type="checkbox"/> no if yes please attach |
| Availability of Photos of dirty boiler | <input type="checkbox"/> yes | <input type="checkbox"/> no if yes please attach |
| Trend of Power level | <input type="checkbox"/> yes | <input type="checkbox"/> no if yes please attach |
| Trend of furnace temperature | <input type="checkbox"/> yes | <input type="checkbox"/> no if yes please attach |
| Trend of spray water flow | <input type="checkbox"/> yes | <input type="checkbox"/> no if yes please attach |



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COAL AND ASH DATA FILE

(Provide a separate sheet for each coal to be used)

Ash Analysis wt. %	Ultimate Analysis wt. %	Proximate Analysis wt. %
Li ₂ O: _____	Carbon: _____	Fixed _____
Na ₂ O: _____	Hydrogen: _____	Carbon: _____
K ₂ O: _____	Oxygen: _____	Volatiles: _____
MgO: _____	Sulphur: _____	Sulphur: _____
CaO: _____	Nitrogen: _____	Moisture: _____
Fe ₂ O ₃ : _____	Moisture: _____	Ash: _____
Al ₂ O ₃ : _____	Ash: _____	
SiO ₂ : _____		
TiO ₂ : _____		
P ₂ O ₅ : _____		
SO ₃ : _____		

Heating Value: _____ Kcal/kg

Date:



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INSTALLATION INFORMATION FOR DOSING SKID

The information asked for in this section is required by Pentol to build the dosing skid.

Power supply V _____ Hz _____

Space m² _____

Location of the skid indoor outdoor



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PRIVACY STATEMENT

Pentol will always protect the personal information that you share with us. Pentol stores information internally in a controlled, secure environment. Your personal information will not be given to any 3rd party. The only purpose of this questionnaire is to enable your Pentol contact to offer optimal solutions for your application.

SUBMIT INFORMATION

Please print this form and fax it to our agent or to

Pentol GmbH
Degussaweg 1
D-79639 Grenzach-Wyhlen
Germany

Tel. +49.7624.300 0
Fax. +49.7624.300 190

sales@pentol.net

THANK YOU

Thank you for taking the time to fill in this form. We will contact you as soon as your information is processed.

Date: _____

Signature: _____