

## CHEMICAL RECOVERY BOILER SURVEY

Mill name: \_\_\_\_\_ Date: \_\_\_\_\_  
Location: \_\_\_\_\_  
Contact person: \_\_\_\_\_ Position: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email : \_\_\_\_\_

Boiler # \_\_\_\_\_  
Year of manufacturing: \_\_\_\_\_  
Name of manufacturer: \_\_\_\_\_  
Hearth dimensions: \_\_\_\_\_ X \_\_\_\_\_  
Lbs. solids/day rating: \_\_\_\_\_  
Lbs solids/day current: \_\_\_\_\_  
US. Gal of black liquor/min.: \_\_\_\_\_  
% solids of liquor as fired: \_\_\_\_\_ % Organics : \_\_\_\_\_ %  
Avg BTU: \_\_\_\_\_ Specific gravity: \_\_\_\_\_  
S.H. Steam temp: \_\_\_\_\_  
Current steam Production: \_\_\_\_\_ Pressure: \_\_\_\_\_  
Estimated daily steam requirements of sootblowers: \_\_\_\_\_  
Liquor guns: Number: \_\_\_\_\_ Type: \_\_\_\_\_ Fixed \_\_\_\_\_ or Oscillating: \_\_\_\_\_  
Attemperator water available: \_\_\_\_\_  
Temp of gas entering S.H.: \_\_\_\_\_  
Temp of gas entering generating bank: \_\_\_\_\_  
Temp of gas entering economizer: \_\_\_\_\_  
Temp of gas exiting economizer: \_\_\_\_\_  
 $\Delta P$  across S.H. \_\_\_\_\_ Gen. bank: \_\_\_\_\_ Economiser: \_\_\_\_\_  
Air distribution % primary; \_\_\_\_\_ CFM: \_\_\_\_\_  
% secondary: \_\_\_\_\_ CFM \_\_\_\_\_  
% tertiary: \_\_\_\_\_ CFM \_\_\_\_\_  
ID Fan: RPM \_\_\_\_\_ AMPS \_\_\_\_\_  
Excess O<sub>2</sub> \_\_\_\_\_ Where measured: \_\_\_\_\_

In addition to the above information, please provide the following:

1. Schematic drawing of boiler.
2. Most recent analysis of black liquor.
3. Most recent analysis of ash and/or deposits.
4. Brief description of:
  - 4.1. nature of problem.
  - 4.2. possible explanation as to cause of problem.
  - 4.3. parameters used by operators to monitor problem.
  - 4.4. what do you want to achieve by using a fireside additive, and what are your realistic expectations.
5. Historical data for previous 12 months on disc or transfer by E-mail to [info@lbgindustries.ca](mailto:info@lbgindustries.ca).  
Data required: steam product, temp, BL flow, BL solids, ATT water valve, combustion gas temps,  $\Delta P$  S.H.,  $\Delta P$  gen. bank,  $\Delta P$  econ, Excess O<sub>2</sub>, I.D. fan.
6. Date of next water wash \_\_\_\_\_, date of next chill & blow \_\_\_\_\_
7. Any other available data you deem important.

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