

SAMCO Technologies, Inc. ♪

SCRUBBER BLOWDOWN FILTRATION

APPLICATION BULLETIN

New MACT (Maximum Achievable Control Technology) standards impact plants that have boilers and heaters.

Spray tower or venturi scrubbers (Wet Scrubbers) used by Industrial, commercial and institutional boilers and process heaters to meet the new MACT standards create waste that must be filtered out and removed.

Solid fuel-fired boilers and process heaters are typically most impacted.

Typical solid fuel types include:

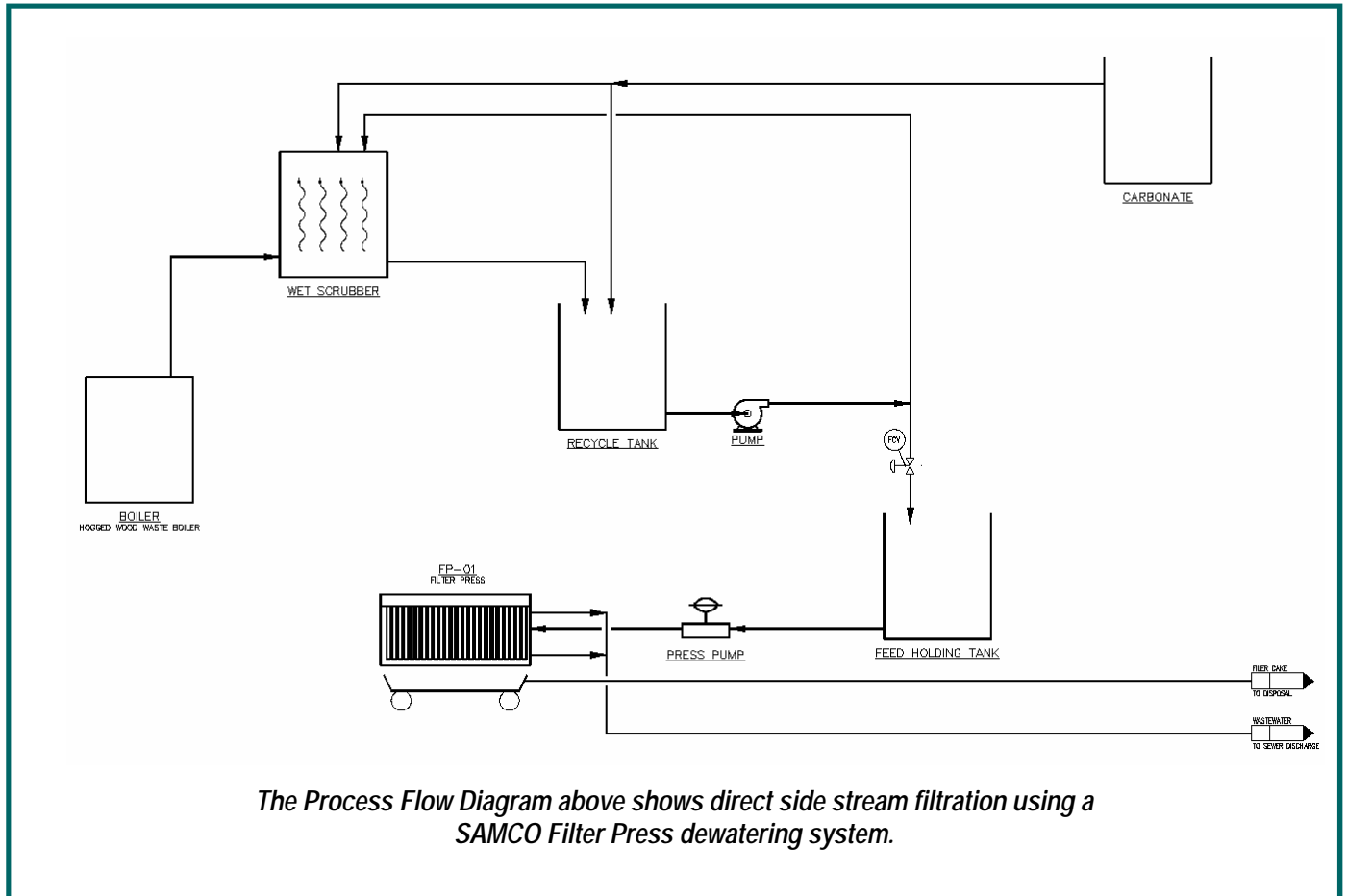
- ◆ coal, wood, biomass, tires, plastics, and other non-fossil solid materials.



SAMCO's packaged filtration systems remove particulate matter (PM) and total selected metals (TSM) from your Wet Scrubber's water stream!

EXPERTISE

SAMCO is a leading expert in the manufacturing and installation of dewatering systems. Our state of the art design and proven experience in industrial waste applications, allow us to offer the best solution for your system needs.



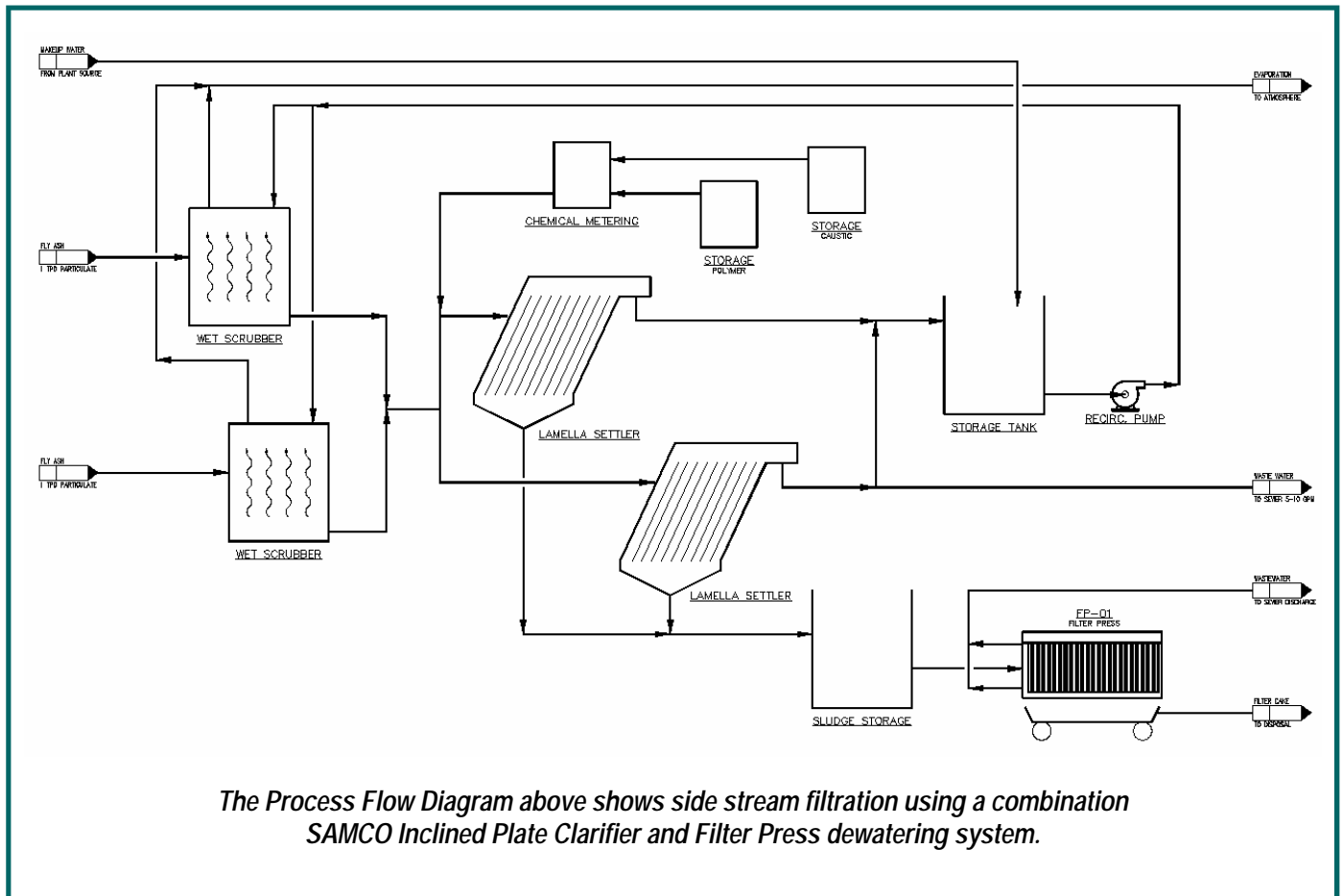
APPLICATION

Wet Scrubbers remove fly ash grit, suspended metals, PM and TSM, however that material builds up in the water stream and must be filtered out. The filtration takes place as either a continuous side stream or a periodic batch filtration of the entire volume.

SAMCO Filter press dewatering systems are ideally suited to this application. They produce a dry cake that is easily handled for disposal. Extremely high flows or large volumes of solids are conveniently handled by using a SAMCO clarifier or settling system prior to filter press dewatering.

CHALLENGE

If solids are allowed to build up in the water stream they reduce the efficiency of the recycled water and eventually plug and foul your Wet Scrubber. Downtime and high labor costs are the result.



THE SAMCO SOLUTION!

The new MACT standards can only be met when you have the appropriate scrubber system in place on your boiler. SAMCO's specially designed filter press and auxiliary equipment, reduces Wet Scrubber maintenance and operator costs associated with accumulated solids.

Let SAMCO be your partner in keeping your system maintained and operating!

FEATURES AND BENEFITS

- ◆ Easy and Economical to operate
- ◆ Expandable
- ◆ Choice of standard auxiliary equipment
- ◆ Small footprint
- ◆ Manual or fully automatic operation
- ◆ Solid easily disposable filter cake



***Please contact
SAMCO to learn
more about
our other services
& capabilities.***



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OTHER PRODUCTS AND SERVICES

- ◆ Ultra-Pure Water
- ◆ Wastewater Treatment
- ◆ Process Filtration Equipment
- ◆ Treatability and Pilot Study
- ◆ System and Process Design
- ◆ Rental System
- ◆ Design / Build / Own / Operate
- ◆ Operations
- ◆ Consumables
- ◆ Service