

SOLVAY- TAVAUX

CHEMICAL PLANT (FLUE GAS DESULFURIZATION),
TAVAUX (FR)

Key information:

- Fuel: Coal
- Installation: Existing Plant-
Industrial Boiler
- Capacity: 1 x 134 MWth
- Upstream Equipment: Steam
Boiler/ESP
- FGC process: SecoLAB™ Dry
Flue Gas Desulphurization
- Commissioning: 2016

TECHNICAL HIGHLIGHTS

- COOLED DRY SECOLAB™
PROCESS
- LOW OPERATING COSTS WITH
HYDRATED LIME
- HIGH AVAILABILITY (> 98%)

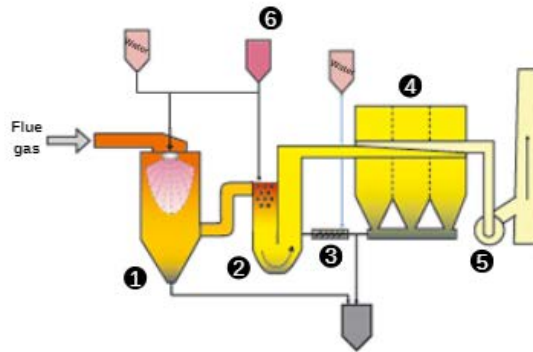
TAVAUX

DRY FGD

The system installed on Tavaux plant is a Dry FGD process

It consists in a conditioning tower for flue gas cooling, a LABloop™ dry reactor with reagents injection for acid gases neutralization, a fabric filter with residues recirculation and humidification in the ActiLAB™ screw reactor.

This installation lets the plant reaching the emission limit by IED directives.



- ① Conditioning Tower
- ② Lab Loop Reactor
- ③ Humidification screw
- ④ Bag filter
- ⑤ ID Fan
- ⑥ Reagents (Lime)

Volume flow	165'000 Nm ³ /h wet	
Inlet Temperature	110 to 140°C	
Pollutants (mg/Nm ³)	Before FGT	After FGT
Dust	200	10
SO ₂	500 to 2000	150



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