

SUEZ - WILTON

WASTE-TO-ENERGY PLANT, WILTON (UK)



Key information:

- Installation: New Plant
- Capacity: 2x 3l t/h
- Upstream Equipment: Grate, SNCR, Steam Boiler
- FGC process: VapoLAB™
- Commissioning: 2016

TECHNICAL HIGHLIGHTS

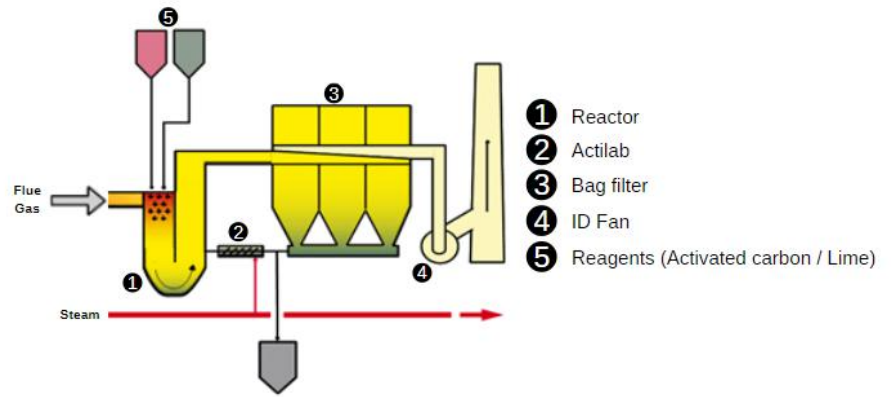
- REDUCED OPERATING COSTS AND LOW LIME CONSUMPTION
- EASY TO MAINTAIN AND OPERATE
- SAFE RESPECT OF EMISSIONS LIMITS
- PREPARED FOR STRICTER MISSIONS LIMITS

WILTON

VAPOLAB SYSTEM

The VapoLAB™ process installed on Wilton plant is divided in 3 steps:

- Lime and Activated carbon are injected in the LABloop™ reactor for acid gases neutralization.
- Flue gas pass thru efficient Bags Filter for final treatment (one part of residues is recirculated and the other one is sent to residue silo)
- Steam is put in contact with the recirculated unused reagent in the ACTILAB™ reactor boosting the reagent activity. The reactivated residues are reinjected in the LABloop™ reactor.



Volume flow	2 x 160'000 Nm ³ /h wet	
Inlet Temperature	140°C	
Pollutants (mg/Nm ³)	Before FGT	After FGT
Dust	6040	10
HCl	1200	10
SO ₂	600	50
HF	25	1
Hg	0,8	0,05
Heavy metals	200	0,5
Cd + Tl	3	0,05
Dioxins / Furans (ng/Nm ³)	10	0,1

The facility manages the household waste generated daily across Merseyside and Halton.

The 440 000 tonnes of household are treated to generate enough electricity to power 63,000 homes.



The plant delivers 50MW of power and 165 tonnes of steam. Steam generated is also exported to local industries at Wilton on the Wilton International Industrial Estate



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