

Sulfur Recuperation Plant at REFAP

Project

Client
REFAP S.A.

Location
Refinería Alberto Pasqualini
Canoas, Porto Alegre
Brazil

Period
06/2003 – 02/2005

Participation
Skanska LA: 100 %



Skanska LA is performing at the Alberto Pasqualini Refinery (REFAP), located at the Canoas Community, the construction of a sulfur plant. The work includes the services management, on site basic project, off site project execution, off site basic project consolidation, basic and detailed engineering, procurement, civil works, industrial assembly and activities for the conditioning and assisted operation of the following units: Sulfur Recuperation Units (U-307 y U-308), Residual Gas Treatment Unit (U-309), Solidification Unit, Sulfur Storage and Dispatching (U-310), Residual Water Equalization and Distribution Unit (U-1300) and Off-Sites.

The Sulfur Recuperation Unit is design to process the H₂S contained at the resulting acid gases of the Amines Recuperation Units and the Residual Water Units. The minimum conversion for the unit is of 95% of the hydrosulphuric load in elemental sulfur.

The implementing of this new units shall imply for the refinery an enlargement of its capacity from 20 ton/day to 98 ton/day.



Technical Data:

Capacity: 2 trains of 49 ton/day
Total: 98 tons of sulfur production
Piping: 660 ton
Concrete: 5.200 m³
Towers: 21 units
Interchangers: 16 units
Reactors: 4 units
Special Equipment: 3 compressors, 1 steam turbine and 2 boilers.

The contract contemplates a 20 month period for the construction and includes 6 months for the plant operation assistance.

Contact

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