Limestone WFGD Technology

Solutions. Performance. Relationships.

Commercially Proven and Cost Effective

The MET Wet FGD system is a proven and efficient design that uses an open spray tower and high velocity mist eliminators. Our limestone/gypsum technology delivers SO_2 removal efficiencies of 98+%, and demonstrates excellent performance results and favorable capital, operating, and maintenance factors compared to other designs.

Our design is a global standard of excellence and has a proven reputation for its efficiency, reliability, and flexibility in addressing the most difficult requirements. In addition to limestone, MET is experienced with a variety of reagents including lime, sodium, and magnesium oxide among others.

Visit MET.net to find a representative in your area.

Benefits of Limestone

- *Cost effective technology for SO_2 removal efficiency of 98+%*
- *Minimal disposal costs with saleable gypsum by-product*
- *Oxidized mercury control co-benefit*

Advantages of MET System Design

- *Open Spray Tower (lower pressure drop, no tray or packing)*
- *Worldwide reputation for reliability and flexibility*
- *Greater than 98% SO_2 removal efficiencies*
- *Patented Absorber Liquid Redistribution devices (ALRDs)™*

MET
Marsulex Environmental Technologies

Absorber Liquid Redistribution Device (ALRD)™

- Maximizes L/G effectiveness
- Negates untreated gas ”sneakage”
- Dramatically improves SO_2 removal performance

Commercially Proven

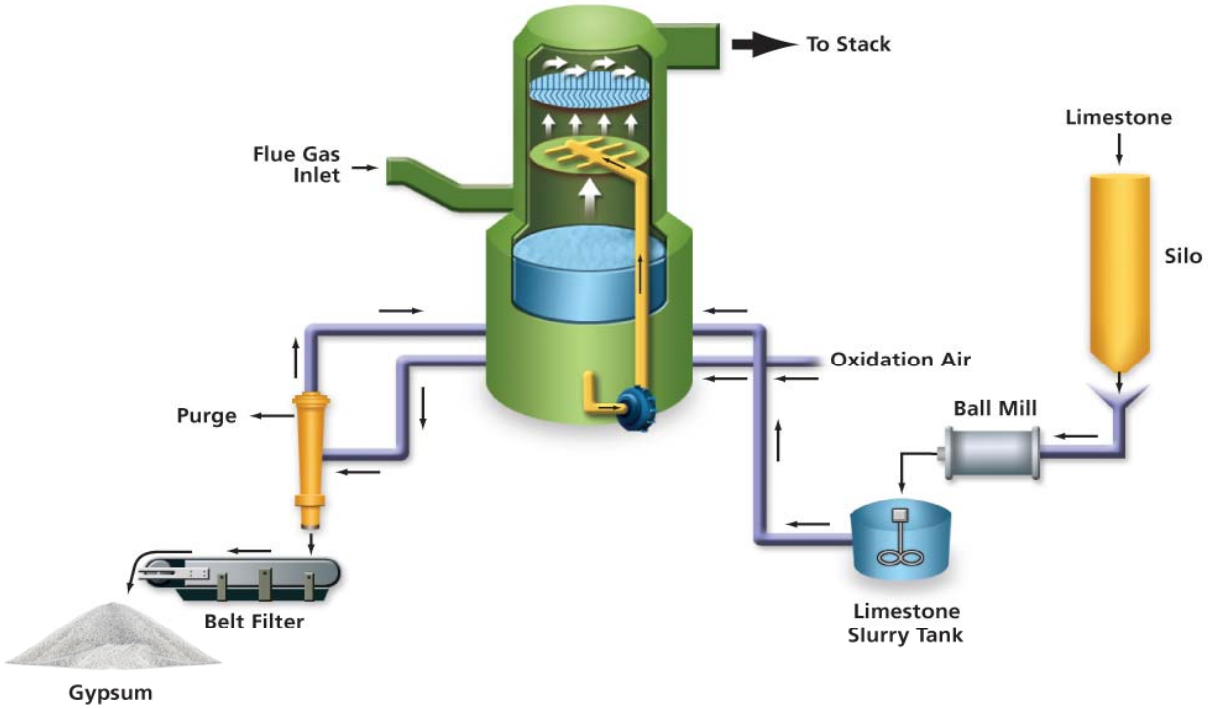
- Fifteen+ years of commercial operation at Dakota Gasification Company
- Installed on over 50 absorbers and increasing SO_2 removal on over 20,000 MW

Limestone/Gypsum process

The SO_2 in the flue gas is absorbed by the recycle slurry, containing calcium carbonate.

By introducing air into the absorber reaction tank, the calcium sulfite reaction product is oxidized into calcium sulfate (gypsum).

The gypsum is dewatered and can be used in agricultural applications or in the manufacturing of wallboard and cement.



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