



USED 1200 TPD UREA GRANULATION PLANT

Capacity: 1200 TPD

Raw Materials: Natural Gas

Process Information: The concentrated (96%) urea melt from the Evaporator is mixed with UF-75 (a Urea-formaldehyde preconcentrate containing 55% total formaldehyde) before being pumped to the Granulator. The UF-75 is an essential granulating aid, since without it, the urea solution would turn to dust, rather than forming useable granules. The formaldehyde reacts completely with the urea to form a non-volatile non-harmful polymer within the urea granule, which binds it together.

Major Equipment

- Fluidized bed granulator
- Safety screen
- First cooler
- Bulk flow cooler
- Blower
- Scrubber
- Exhaust fan
- Wash tower
- Stripper
- Primary decomposer separator
- Primary absorber
- Ammonia condensers

Brief Plant Description

Used 1,200 TPD urea granulation plant upgraded in 2000. Hydro Fertiliser Technology (now Thyssen Krupp) designed evaporation section and fluid bed granulator. Upgrade project completed with 420 ton capacity stainless urea melt tank, twin Rotex reciprocating sizing screens, Bauermeister rolls crusher, Solex thermal fluid bed cooler and Type D Turbulaire dust scrubber. This plant is the back end of Urea Plant #537.

Products

Urea Granules

**For more
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