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Nota di contenuto	Profiles in Flue Gas Desulfurization; SECTION 1 Profiles in Flue Gas Desulfurization; SECTION 2 FGD TECHNOLOGY PROFILES Waste Producing Processes; Conventional Lime Slurry; Lime Slurry - Magnesium-Promoted; Limestone Slurry Natural Oxidation; Limestone Slurry Inhibited Oxidation; Limestone Slurry - Magnesium-Promoted; Alkaline Ash Scrubbing; Sodium/Lime Dual Alkali (Concentrated Mode); Lime-Based Spray Dry Absorption (SDA); Sodium-Based Spray Dry Absorption (SDA); Circulating Fluid/Entrained Bed - Lime-Based; Sodium-Based Duct Injection; Furnace Sorbent Injection Sodium Solution - Once-ThroughMagnesium Hydroxide Solution - Once-Through; Seawater Scrubbing; Sodium/Limestone Dual Alkali (Concentrated Mode); Circulating Fluid/Entrained Bed with NOx Control; Lime-Based Duct Injection; Lime-Based Economizer Injection - SOx-NOx-Rox-Box (SNRB); Condensing Heat Exchanger; SECTION 3 FGD TECHNOLOGY PROFILES Byproduct Processes; Lime Slurry Forced Oxidation; Limestone Slurry Forced Oxidation; Dilute Sulfuric Acid to

Gypsum; Sodium/Lime Dual Alkali (Dilute Mode); Sodium/Limestone Dual Alkali with H₂SO₄ Conversion
Dowa Process - Aluminum Sulfate/Limestone Dual AlkaliKurabo Process - Ammonia/Lime Dual Alkali; Thioclear® Process - Magnesium Solution/Lime Dual Alkali; Kawasaki Process - Magnesium Slurry/Lime Dual Alkali; Ammonia Scrubbing - Once-Through; Ammonia Scrubbing with Oxidation; Walther Process with NO_x Control - Ammonia Scrubbing with SCR; Electron Beam Irradiation; Ammonia Scrubbing with Acid Regeneration - Cominco Process; Magnesium Oxide Recovery Process; Direct Sulfuric Acid Conversion; Direct Sulfuric Acid Conversion with Integrated NO_x Control; Cold Water Scrubbing with Thermal Stripping
Wellman Lord ProcessSolinox Process; Amine Solution with Thermal Regeneration; Activated Carbon with Thermal Regeneration; Limestone Clear Liquor Scrubbing; Kureha Process - Sodium Acetate/Limestone (or Lime) Dual Alkali; Sodium (Bi)Carbonate Sorption with Ammonia Regeneration; Pircon-Peck Process; Passamaquoddy Recovery Process; ISPRA Process; Electrochemical Membrane Separation; Sulfuric Acid Absorption with Peroxide Oxidation; Carbon Adsorption with Acid Regeneration; Zinc Oxide Process (Direct Slurry Sorption) with NO_x Control; ELSORB Process; Ammonia Scrubbing with Thermal Regeneration
Tung Processlonics Process; SOXAL Process; Zinc Oxide Process (Sulfite Solution Absorption); Sorbtech Process; Citrate Process; Sulf-X Process; Direct Gas Phase Reduction; Comer Oxide Recovery Process; NOXSO Process

Sommario/riassunto

As the need to control process emissions has increased, so have the number of FGD treatment and control strategies. The effectiveness of these treatments vary greatly, depending the types and levels of the materials, as well as the size of the facility. Profiles in Flue Gas Desulfurization will help engineers and managers identify the technologies that best fit their plant and/or processes. It's a quick and easy reference to all "tail-end" SO₂ control processes currently in commercial use or "on the brink," providing an effective "snapshot" of where this technology stands in industry today. Th
