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Conferences News About Us Home Journals Books Job: Home > Journal > Earth & Environmental Sciences > JEP Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues JEP> Vol.3 No.4, April 2012 • Special Issues Guideline OPEN ACCESS JEP Subscription Study of the Desulfurization Process and Gas-Solid-Liquid Phase Distribution under the Complex Humidification Conditions in Dense Most popular papers in JEP Tower About JEP News PDF (Size: 1361KB) PP. 334-339 DOI: 10.4236/jep.2012.34042 Author(s) Frequently Asked Questions Baorui Liang, Cunyi Song, Qian Jia, Donghui Zhang, Xiaoyue Sun, Fan Pan **ABSTRACT** Recommend to Peers In making the gas-solid-liquid phase analysis, based on the collaborative study of the internal and external humidification ratio of desulfurization efficiency, determine the humidifier ratio within 60% to 75%, that can Recommend to Library make the best balance between the respective merits of a simple tower humidifiers tower humidifier way, optimizing the overall desulfurization reaction, effectively reducing the sticky wall, stick in the desulfurization Contact Us efficiency and reduce the wall to achieve a balance between the balance, without increasing the sorbent and process water, under the premise can promote the desulfurization reaction, improve the desulfurization sorbent utilization and efficiency, help desulfurization reaction system is stable, efficient and economic Downloads: 301,518 operation, the gas-liquid-solid three-phase to achieve better synergy. Visits: 674,038 **KEYWORDS** Composite Humidification; Dense-Phase FGD; Turbulence Intensity Sponsors, Associates, ai Cite this paper Links >> B. Liang, C. Song, Q. Jia, D. Zhang, X. Sun and F. Pan, "Study of the Desulfurization Process and Gas-Solid-Liquid Phase Distribution under the Complex Humidification Conditions in Dense Tower," Journal of • The International Conference o Environmental Protection, Vol. 3 No. 4, 2012, pp. 334-339. doi: 10.4236/jep.2012.34042. Pollution and Treatment Technology (PTT 2013) References G. D. Ma, " Air Pollution Control Technical Manual," Chemical Industry Press, Beijing, 2010. [1] [2] B. He, "Discussion on Sintering Flue Gas Desulphuri- zaion Technology in Iron and Steel Plant," Science Tech- nology and Industry, Vol. 9, No. 7, 2009, pp. 100-102 Y. Q. Lu, "Fuel Gas Desulphurization Technology and Issues in Enterprises of National Heavy [3] Industry," Envi- ronmental Engineering, Vol. 29, No. 1, 2011, pp. 80-82 X. Wei, W. L. Li, F. X. Fan and Z. L. Yuan, " Numerical Simulation Study on the Optimization of Gas-[4] Solid Two- Phase Flows in a Desulfurization Tower," Proceedings of the Chinese Society for Electrical Engineering, Vol. 26, No. 7, 2006, pp. 12-18

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