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Books Conferences News About Us Home Journals Job: Home > Journal > Earth & Environmental Sciences > JWARP Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues JWARP> Vol.1 No.4, October 2009 • Special Issues Guideline OPEN ACCESS JWARP Subscription Study on Reducing Leachate Production by Saw Powder Adding PDF (Size: 161KB) PP. 281-285 DOI: 10.4236/jwarp.2009.14034 Most popular papers in JWARP Author(s) **About JWARP News** Jun YIN, Baojun JIANG, Xiaoyan WU, Liang LIANG, Xue LIU **ABSTRACT** Frequently Asked Questions In order to study the effect of saw powder on leachate production, degradation of rubbish, COD and NH3-N concentration of leachate, three cylinder reactors for anaerobic landfill disposal were built to simulate the Recommend to Peers op-eration of landfill. In this experiment, leachate quantity, settling height of rubbish layer, COD and NH3-N concentration were monitored. The results come from experiment data analyses indicate that saw powder Recommend to Library has strong effect on reducing leachate quantity and accelerating degradation of rubbish. In 60 days, saw powder mixed in rubbish layer can reduce 1200-1300mL leachate every liter rubbish, moreover, rubbish layer with saw powder mixed in settled more leachate than rubbish layer with no saw powder mixed in for Contact Us 5cm. The ex-perimental results indicate that saw powder can reduce COD concentration of leachate and adsorb NH3-N, too. Downloads: 402,262 **KEYWORDS** Leachate, Saw Powder, Reduction, Landfill, Degradation Visits: 1,010,810 Cite this paper Sponsors, Associates, ai J. YIN, B. JIANG, X. WU, L. LIANG and X. LIU, "Study on Reducing Leachate Production by Saw Powder Links >> Adding," Journal of Water Resource and Protection, Vol. 1 No. 4, 2009, pp. 281-285. doi: 10.4236/jwarp.2009.14034. References Z. Salem, K. Hamouri and R. Djemaa, "Evaluation of landfill leachate pollution and treatment," Desalination, Vol. 220, pp. 108-109, 2008. [2] S. Bilgili, " COD fractions of leachate from aerobic and anaerobic pilot scale landfill reactors," Journal of Haz-ardous Materials, Vol. 1, No. 55, pp. 15-18, January 2008.

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