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2009.http://europa.eu/geninfo/query/resultaction.jsp?Page=2

Management," Industrial Management, September 1, 1993.

[9]

J. A. Petrick, "Proactive Government Steps in Improving US Industrial Hazardous Waste

- [10] http://www.allbusiness.com/specialty-business/403547-1.html, December 23, 2009.
- [11] I. Ferrara, "Illegal Disposal of Commercial Solid Waste: A Dynamic Analysis," Atlantic Economic Journal, Vol. 36, No. 2, 2008, pp. 211-232.
- [12] N. V. Long and A. Soubeyran, "Selective Penalization of Polluters: An Inf-Convolution Approach," Economic The- ory, Vol. 25, No. 2, 2005, pp. 421-454
- [13] A. Stubbs, "Environmental Law for the Construction Industry," 2nd Edition, p. 168, 2002, Thomas Telford Publishing Ltd, London, ISBN 0 7277 3095 9, Chapter 5.2.6. Philippines 1975, Law PD 825, Section 2. http://www.emb.gov.ph/laws-swm.htm (2009 12 23).
- [14] Bulgaria, "Waste Management Act No 86/30.09," article 18, 2003. http://www.moew.government.bg.
- [15] E. C. Kamau, "Environmental Law and Self-Management by Industries in Kenya," Journal of Environmental Law, Vol. 17, No. 2, 2005, pp. 229-244.
- [16] B. Kernohan, "Waste Management Top Priority under New Law," Cape Town Weekend Post, October 20, 2009. http://www.weekendpost.co.za/business/article.aspx?id=484615
- [17] S. Sharma, "Proactive Corporate Environmental Strategy and the Development of Competitively Valuable Organizational Capabilities," Strategic Management Journal, Vol. 19, No. 8, 1998, pp. 729-753.http://www.jstor.org/pss/3094125
- [18] M. A. Berry and D. A. Rondinelli, "Proactive Corporate Environmental Management: A New Industrial Revolution," JSTOR Academy of Management Executive, Vol. 12, No. 2, 1998, pp. 38-50.http://www.jstor.org/pss/4165456
- [19] A. Mazé and C. Ménard, "Private Ordering, Collective Action, and the Self-Enforcing Range of Contracts," European Journal of Law and Economics, Vol. 29, No. 1, 2009 on-line first. doi 10.1007/s10657-009-9114-x
- [20] CONAMA, National Environmental Council, Brazil, "Establishes Directives, Criteria and Procedures for the Management of Construction and Demolition Waste (in Portuguese)," Resolution No. 307 of July 5, 2002.