Pollution Haven and Dirty Secret in a Dual Regulation Economy

with an Environmental Tax Evasion*

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16 January 2018

Abstract

We investigate the effect of environmental policies on polluting and bribing firms' location choices, foreign direct investment (FDI), pollution, and corruption in an R&D-based growth model with endogenous location choices. We consider a dual regulation between an emissions permit trading and an environmental tax with a tax evasion. In a symmetry efficiency tax rate, we find that rising an environmental tax rate brings together pollution haven effect and reduces welfare. In an asymmetry efficiency tax rate, decreasing trade cost via trade liberalization rebounds not only pollution but also corruption from North to South, which implies dirty secret.

Keywords: agglomeration; permit allocation rent; environmental tax evasion; corruption; pollution haven.

JEL Classications: H26; Q56; R11.

*The author is responsible for all of the errors in this article.

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