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Microbial Methane Oxidation at Cover Soil Layer of Waste Landfill

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INTRODUCTION

It has been well recognized that a waste landfill is major emission source (IPCC 2000).....

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MATERIALS AND METHODS

Subjected landfill site

A waste landfill site where municipal solid waste had been disposed of for 25 years was selected for investigation. The details of the landfill was shown in Table 1.

Table 1 Details of landfill subjected in this study

	Waste type	duration	Capacity	Others
Landfill AM	MSW	1980-1995	750,000m ³	Mountain
Landfill AN	MSW	1988-2000	900,000m ³	Plain

Microbial DNA extraction

Fifty grams of soil sample was suspended in 450 ml of distilled water for 30 minutes. Supernatant was applied to gene extraction kit

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