**Experimental Research on ~~ (Presentation title)**

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**INTRODUCTION**

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

**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 | 750,000m3 | Mountain |
| Landfill AN | MSW | 1988-2000 | 900,000m3 | 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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**RESULTS AND DISCUSSION**

**Distribution of methane emission and oxidation in the landfill surface**

Figure 1 shows the relationship between the methane emission from the surface of landfills and the methane oxidation ………………………………………………………………………………………………

**Figure 1 Relationship of methane emission and oxidation**



**Population of methane-oxidizing bacteria in the landfill cover soil**

Population of methane-oxidizing bacteria in the landfill surface is shown in Table 2. Relationship between the population and methane emission was also shown in ..................................................................................

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**CONCLUSIONS**

This study aimed to propose a practical methodology for estimating the methane oxidation behavior of waste landfills. ................................. In this sense, we should continue to establish area-, region-, or at least country-specific activity and kinetic parameters on methane oxidation in landfills beyond the case study.

**ACKNOWLEDGEMENT**

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*References should be included in the text using Authors’ surnames followed by the year of publication (Pivato and Ferguson, 2008). If there are more than two authors, the surname of the first two authors could be mentioned, followed by “et al” (ex: Cossu R., Raga R. et al., 2008). Please use Normal style (not Italic).*