

第21回廃棄物資源循環学会研究発表（金沢） 一埋立地の安定化と跡地利用一

BEFORE



1988 The open dumping site with constant fire, smoke, smell and leachate with no more space to dump

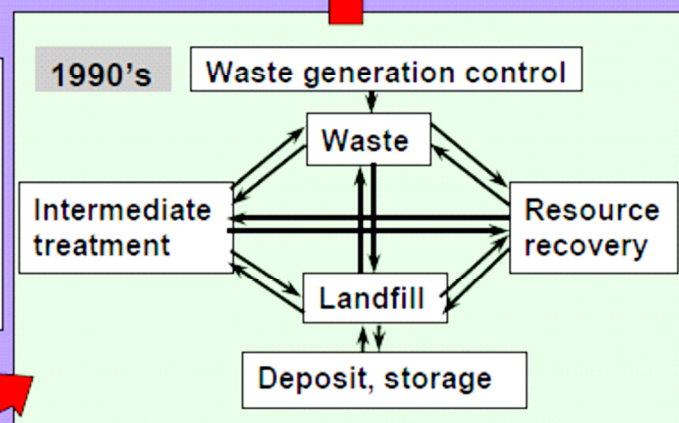
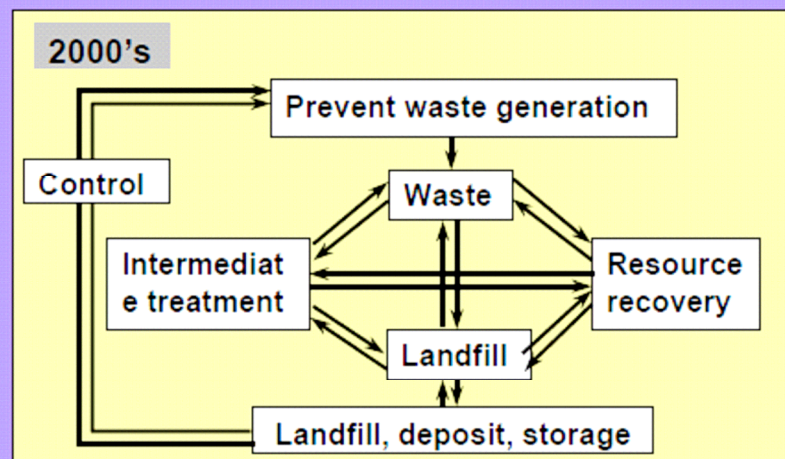
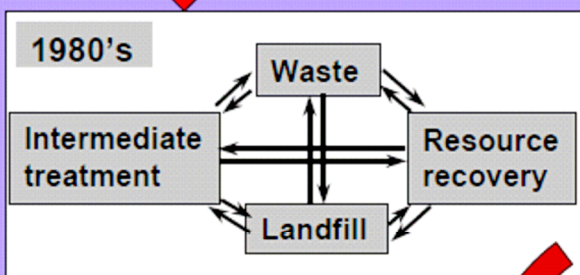
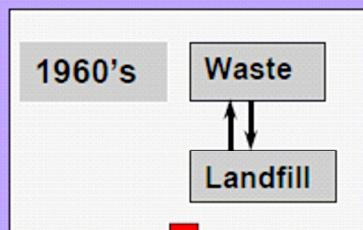
AFTER



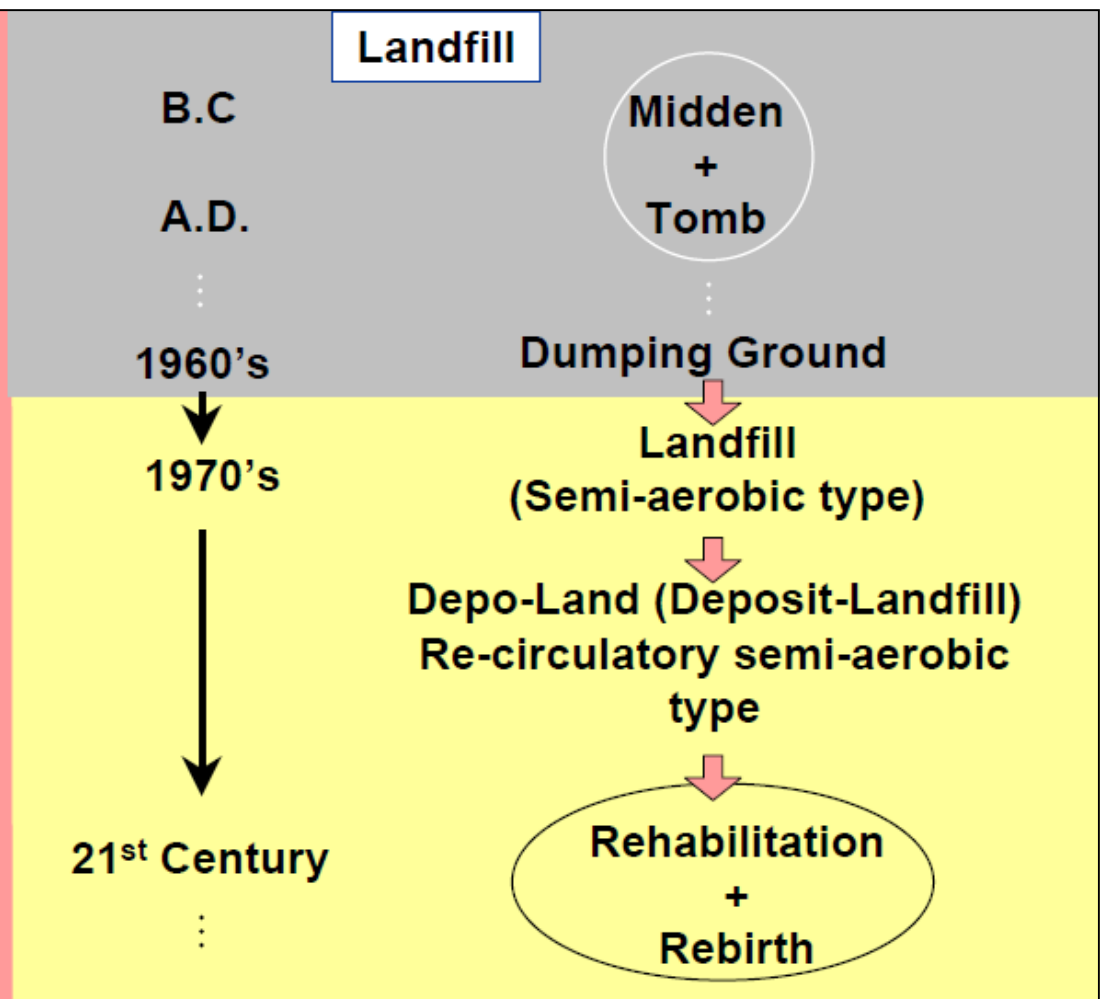
2000 The improved sanitary landfill continues to be used today with proper management systems

埋立部会会員 福岡大学 工学部 松藤康司

History of waste disposal



History of landfill



Completed Landfills = land recourses



1. A need to manage completed landfills
2. Basic management policy
3. Waste stabilisation, and stabilisation level of completed landfills

What is the necessary control / rehabilitation level of pollution?

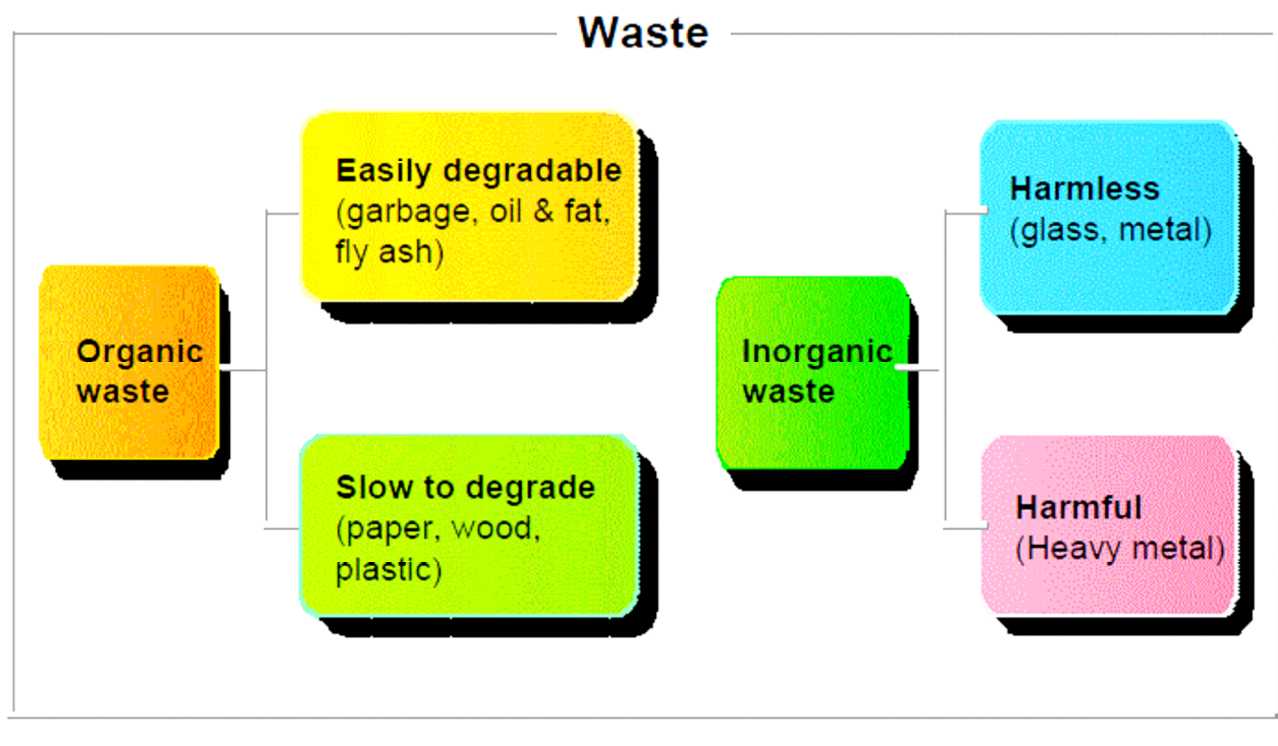


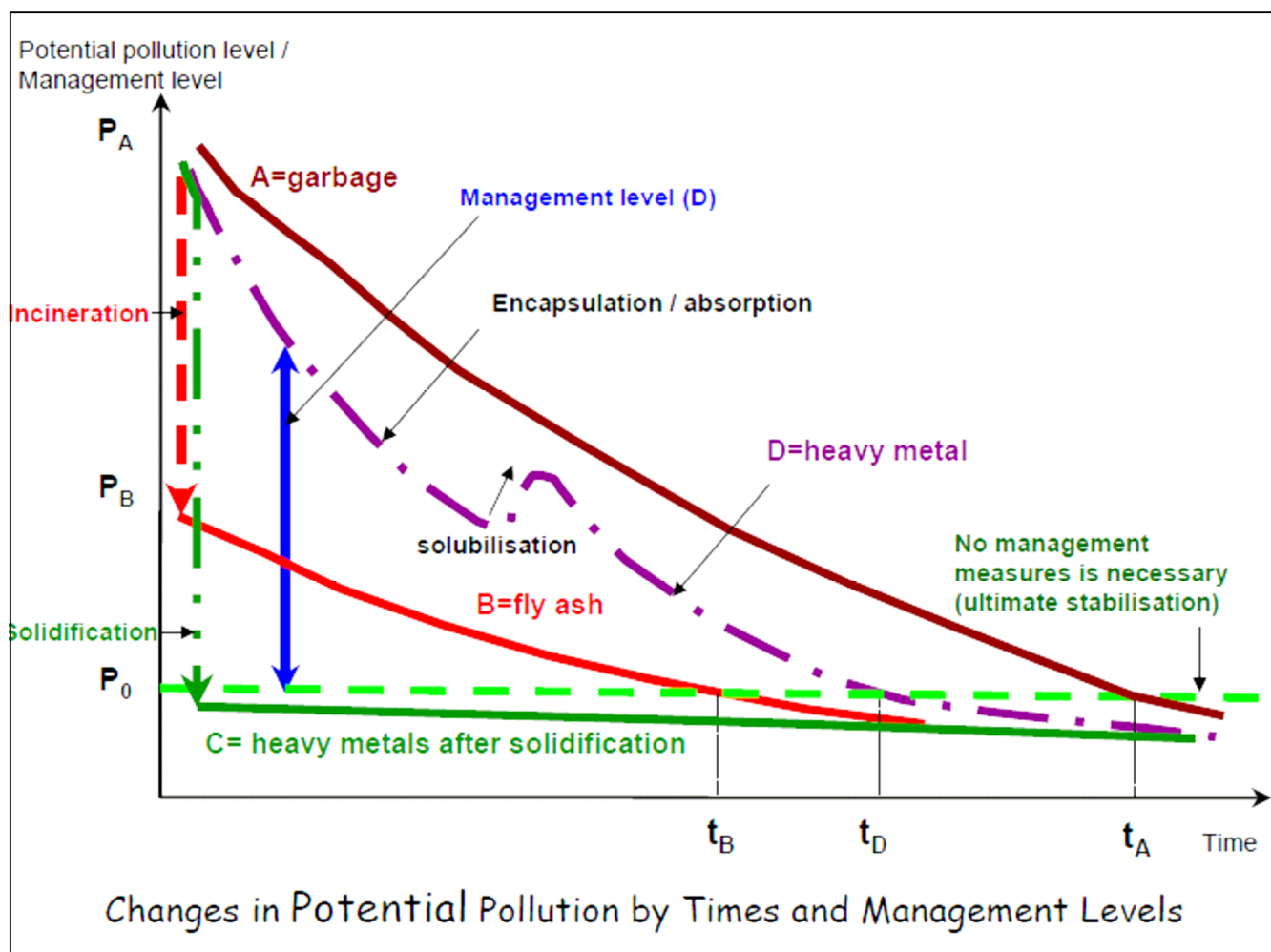
Theory has not established yet.

Needs to manage completed landfills in response to the stabilisation level & the waste type

Stabilisation = Zero Potential Pollution

Waste classification





Summary

1. Potential pollution

- varied with the types of waste

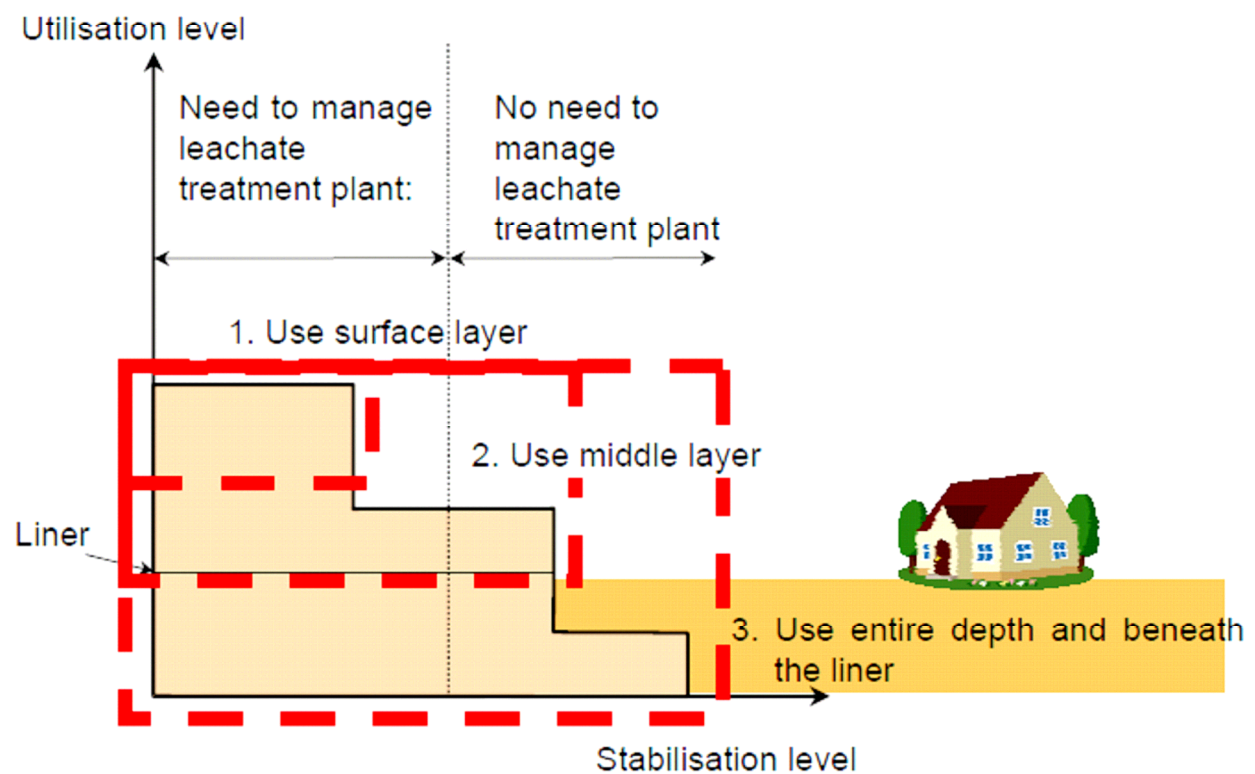
2. Intermediate treatment (incineration, etc)

- can reduce the potential pollution levels

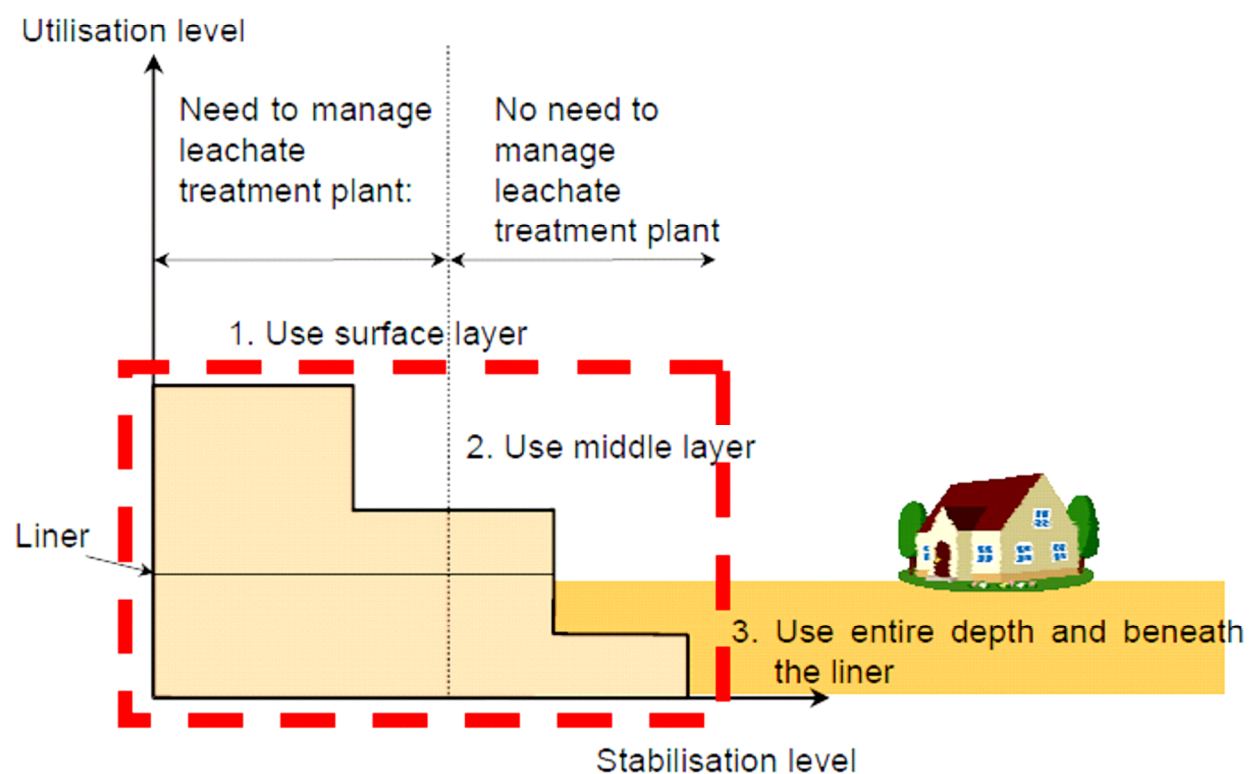
3. Heavy metals (potential pollutants)

- supplementary mechanisms of landfill, such as soil buffer should be considered

Stabilisation Level and Utilisation Level of Landfill Layers



Stabilisation Level and Utilisation Level of Landfill Layers



Measures for the utilisation of completed landfills

1. Gas
2. Subsidence
3. Corrosion of pile work

Completed Landfill Utilisations, Fukuoka



Surface layer use:

← Imazu sports park (left)
tennis courts (right) →



Imazu refresh Farm



Surface layer use:

Imazu sports park:
aerial photograph

Medium layer use:

Imazu handicapped
children's School



Entire layer and beneath use:

High rise apartments 1 (before construction)



Entire layer and beneath use:

High rise apartments 2



Entire layer and beneath use:

High rise apartments 3



Entire layer and beneath use:

High rise apartments 4 (completed)



环境报

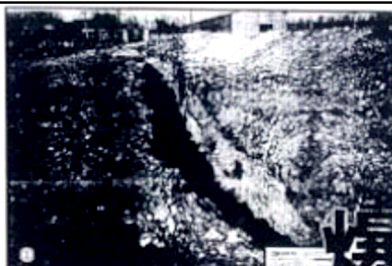
1995年12月31日

第1765期

中国环境报社出版

国内统一刊号: CN11-0085

代号: 1 59



爆炸再次响起

10月21日
纺织厂发生
的爆炸事件
各方面调查
没有料到一



照片说明

图1 在纺织厂发生爆炸的现场，一名工人正在调查爆炸原因。

图2 在爆炸现场，一名工人正在调查爆炸原因。

图3 在爆炸现场，一名工人正在调查爆炸原因。

图4 在爆炸现场，一名工人正在调查爆炸原因。



世说新语

12月21日，记者来到纺织厂，在爆炸现场，记者看到，纺织厂的工人正在调查爆炸原因。

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モニタリングが重要！

「公共水面埋立法」の下の埋立区は安全か？

