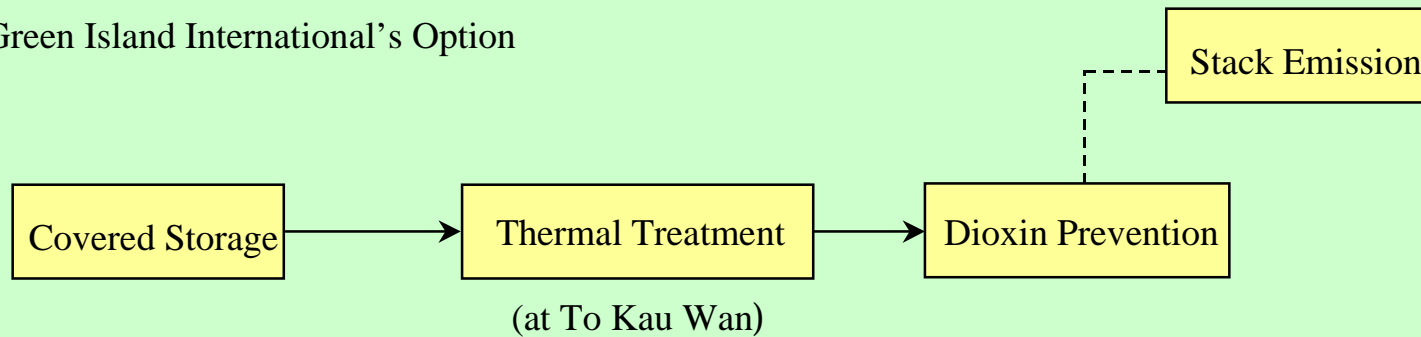


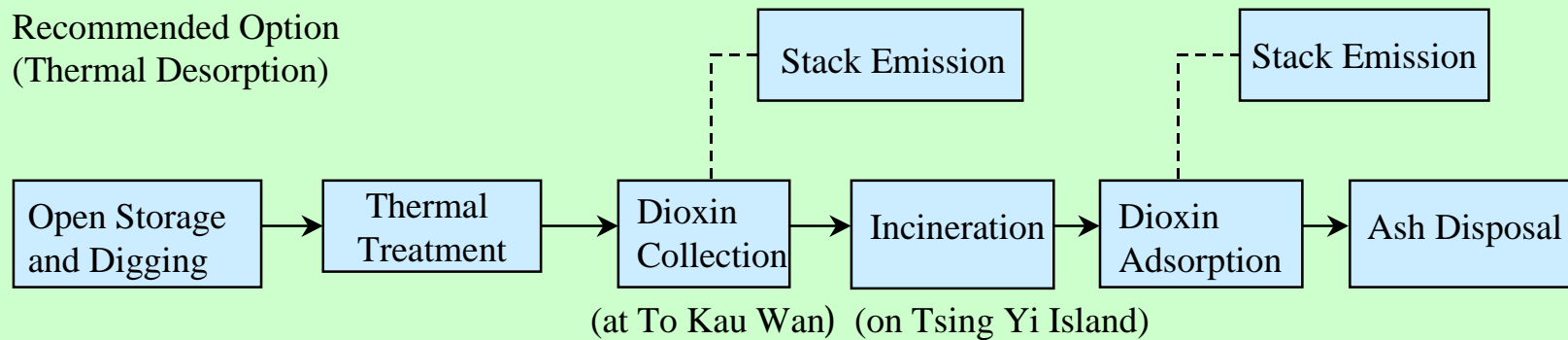
# TREATMENT OF DIOXIN CONTAMINATED SOIL AT CHEOY LEE SHIPYARD, PENNY'S BAY

## Comparison of Treatment Options

Green Island International's Option



HKSAR Government Consultant's  
Recommended Option  
(Thermal Desorption)



## TREATMENT OF DIOXIN CONTAMINATED SOIL AT CHEOY LEE SHIPYARD, PENNY'S BAY

	<b>HKSAR Government Consultant's Recommended Option (Thermal Desorption)</b>	<b>Green Island International's Option</b>
Treatment Mode	Indirect Dioxin Collection + Incineration	Direct Dioxin Destruction
Temperature	500 °C	1,200 °C
Flue Gas Treatment	Adsorption of Dioxin from Flue Gas Followed by Ash Disposal	Prevention of Dioxin Formation in Flue Gas
Storage	Open Storage and Digging	Construction of Covered Storage at To Kau Wan to Prevent Runoff of Dioxin Contaminated Soil During Heavy Rainfall
Transportation	Land / Sea	In-situ Handling and Treatment
Timing	Need 18 Months to Clean Up Cheoy Lee Shipyard and Postpone Construction Work of Disneyland	Immediately Clean Up Cheoy Lee Shipyard and Speed Up Construction Work of Disneyland
Cost	Require to Purchase Expensive Equipment from Overseas; ~ HK\$400 million	Innovation and Technology Fund (ITF) Project; Major Equipment Ready; ~HK\$260 million (Preliminary Cost Estimate)

# TREATMENT OF DIOXIN CONTAMINATED SOIL AT CHEOY LEE SHIPYARD, PENNY'S BAY

## Preliminary Cost Estimates

(Indicative figure only, not suggesting bid price in any subsequent open tender exercise)

Throughput	150 Tonnes / Day (Average 330 Days / Year )
<u>Construction</u>	HK\$
Land	0
Civil Engineering	25,000,000
Mechanical & Electrical	20,000,000
Equipment	
Laboratory & Office	18,000,000
Installation	20,000,000
Engineering & Project	20,000,000
Management	

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Total : 103 Million

Operation & Maintenance HK\$2,400 / Tonne X 66,000 Tonnes = ~ HK\$158 Million

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**Total Cost : ~ HK\$261 Million**