
Geological and hydrogeological perspectives on the waste disposal system in Terengganu and Pahang

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Field investigations and desk studies on the various accessible sites of the waste disposal system in Terengganu and Pahang proved that little or no geological and hydrogeological consideration have been undertaken in determining the present sites. Although much information and experience in landfill design and operation has been obtained in recent years, only a few landfill sites have been investigated to meet the current standards for an environmentally acceptable landfill. In view of the increasing public concern and professional understanding of the waste (domestic) disposal problems, the standards for current practices of landfilling of domestic wastes need to be improved even further within the immediate year(s) to come.

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It is in this context, that this brief presentation will touch upon the following themes:-

- (i) A broad overview of the waste disposal system currently being practised in Malaysia.
- (ii) Assessment of the management and controls of waste disposal system.
- (iii) Geological and hydrogeological perspectives of the existing waste disposal sites – The case of Terengganu and Pahang.
- (iv) Environmental aspects of waste disposal system.
- (v) Conclusion and suggestions.

Through the above presentation, it is hoped that the public at large will be more responsive and conscious of the need to participate actively in safe guarding the environment through the existing/chosen waste disposal system. Others who are responsible for the proper care of the waste disposal system, should take the necessary steps and controls, so as not only to ensure the cleanliness and beautification of the waste disposal sites but also the environment and the resources as a whole.