

SUBMISSION CHECKLIST FOR STORMWATER MANAGEMENT IN MALAYSIA



Department of Irrigation and Drainage Malaysia, 2008

DISCLAIMER

This checklist is developed in good faith to assist developers, contractors and consultants on the proper use of MSMA and to ensure better compliance to the measure in the manual. Every efforts have been made to present the facts as accurately as possible at the time of publishing. Developers, contractors and consultants are encouraged to further validate the information, which is subject to changes and interpretation from time to time. The government therefore shall not be held responsible for liability for any loss, damage and failure for any goods or structures, which claim to be referred to this Guideline.

FOREWORD



The introduction of the "Urban Stormwater Management Manual for Malaysia" (MSMA) in 2001 represents a paradigm shift in the management of stormwater in the country. Stormwater will now be managed in 3 aspects:

- i) quantity control of stormwater runoff;
- ii) quality control of stormwater runoff; and
- iii) erosion and sediment control during earthwork stage.

With MSMA there is a complete change in the concept of quantity management from the previous practice based on rapid disposal to a new control at source concept utilising detention and retention storage. Equally important, stormwater runoff is now recognized as one of the largest contributors to river and waterway pollution, and there is a need to improve and regulate runoff quality through Best Management Practices (BMPs). At the same time, the current method of carrying out earthworks needs to be managed properly to mitigate extensive sedimentation to rivers.

As MSMA is now mandatory for new development, there is a need for consultants to quickly develop expertise in MSMA and familiarize themselves with the requirements for stormwater quality and ESCP. This need is more pressing for some consultants due partly to their lack of adequate exposure to MSMA during the earlier stages of its implementation. To achieve better quantity and quality control of stormwater runoff, it is imperative that BMPs, runoff quality, and erosion and sediment control be put into practice by developers, contractors and consultants.

This set of checklist has been produced to assist developers, contractors and consultants on the proper use of MSMA and to ensure better compliance to the measures in the Manual. I hope that this effort will enhance not only our understanding on the importance and realization of MSMA but also make the successful implementation of MSMA easier.

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