



APPLIED TECHNOLOGY
GROUP OF COMPANIES
Australia • New Zealand • Hong Kong • Malaysia • Singapore

Applied Technology Group Sdn Bhd (1012178-W)

W-8-1, Subang Square Business Centre, Jalan SS15/4G,

47500 Subang Jaya, Selangor, Malaysia.

Tel: (+603) 5634 7905 Fax: (+603) 5637 9945

Email: admin@apptechgroups.net Website: www.apptechgroups.net

Course On

**Erosion and Sediment Control Plan(ESCP)
for Certified Profession in Erosion and Sediment Control (CPESC)
with MSMA2**

Date : 05th - 06th July 2019

Time : 9.00 am to 5.00 pm

Venue : Applied Technology Group Training Centre, SS15, Subang Jaya, Selangor

SYNOPSIS

The Certified Professional in Erosion and Sediment Control (CPESC) had been strongly promoted by Malaysia Stormwater Organization (MSO). MSMA2 is the Stormwater Management Manual for Malaysia 2nd Edition. It is a specialized skill in handling the erosion and sediment control. MSO understands that in order to make our country "clean", the Erosion and Sediment Control Plan (ESCP) should be one of the requirements in preparing a infrastructure plan. With the rapid development in our country, the increased amount of impervious surface in our catchments is leading to the increased volume and rate of stormwater runoff. These have contributed to a significant amount of pollutants are being washed off into the receiving waters. As a result, it has become one of the important reasons that caused severe pollution in the natural receiving water like rivers. Our natural streams have become more and more polluted throughout the years. In order to preserve our natural especially for our next generation, the need for pollution control will be a need. According to the study of the Nationwide Urban Runoff Program in the US, one of the main contributors of pollution in naural streams is the discharge of pollutants from stormwater instead of industrial waste. The stormwater contained as many pollutants as the regulated industrial waste from a proceeding point source. Therefore, there is a need to mitigate this stormwater pollution from the beginning of a project construction. One of the steps to get it works will be the preparation of ESCP design. Planning design is the first step to control the erosion and sediment.

As per our own study, we noted with concerns that many consulting engineers in Malaysia are lacking the experience in handling the ESCP. Where mostly the control element is sediment basin. Even though the placing of BMP is one of the main factors in controlling erosion. Would controlling the sediment basin be enough to control our construction runoff?

This course provides the concept of erosion and sediment control with theory and concept. It provides the ideal preparation method for ESCP plan. We would also answer the important questions such as: What kind of practices are required in ESCP works? Why the need for ESCP in phases? What are the importance of computing the RULSE/ULSE and MUSLE in a project? What is the mean of control practices in ESCP?

Erosion and Sediment Control Plan(ESCP) for Certified Profession in Erosion and Sediment Control (CPESC) with MSMA2

SPEAKER PROFILE



Ir Chee Shai Choon
BSc (Hons), MIEM, PEng

Currently, Ir Chee Shai Choon is a CPESC certifier who leads a group of software developers in C&S Software Solutions Sdn Bhd which incorporated in year 2006. His clients mainly in Malaysia, somehow, there are some clients in Singapore, Brunei and Vietnam. In order to meet his clients' requirement, he has fully concentrated on and only on this company. He is specializing in stormwater where he has developed a "core MSMA suite" which covers all the Chapters in MSMA 2nd edition. He has completed the whole MSMA2 into digital edition. He is the developer of the Infrastructure software which provided the most comprehensive civil engineering software. The product of Erosion and Sediment Control Plan(myESCP), OSD/Pond(IntelliDrain), 3D Earthworks(Zeon Earth), XSeries modules such as Detention Pond & OSD Design(xStorm), Water reticulation(xWater), drainage network(xDrain), sewerage network(xSewer). Other software such as Sediment Basin and Singapore Pub design software. Further with the CPESC certifier, he has acquired substantial of knowledge in ESCP which lead to one of his software is called myESCP which it is an erosion and sediment control plan software. It comprises of erosion and sediment control facilities such as Check Dam Diversion Channel, Silt Fence. These facilities which compliance to MSMA 2nd edition of chapter 12. The CPESC knowledge had led him to further on the ESCP development.

This year will be his 13 years anniversary on computer business. He is keeps on update his knowledge especially in stormwater field where enable him to invent more values in engineering products. With his continuity development of products in stormwater, he has further acquired significant amount of experience in this field. Either from direct feedback from software client i.e. consultant engineers, or his own involvement in stormwater projects, or during his events in stormwater. As a result, the cumulative skill and knowledge which covered from the design process involved up to construction and completion of stormwater works. It would be one of the best sharing with participants. He is also a civil engineer with good technical knowledge in engineering concepts. He has accumulated 21 years of his experience in field of IT and engineering design. His official website: www.civilstructural.com.my.

Currently his company has an international collaboration with three international engineering software companies from Europe i.e. Bricsys(Recommended alternative CAD) BricsCAD BIM, Computer Control System(Bridges)-Greece and Ingeciber,S.A(FEM) Spain.

Along with his involvement on IT, he had conducted a number of talks/training in various organizations like IEM, JOS in JPS Ampang, Wawasan Professional Training Centre in KL. Talks & Seminar previously presented.

Erosion and Sediment Control Plan (ESCP) for Certified Profession in Erosion and Sediment Control (CPESC) with MSMA2

LEARNING OUTCOMES

This talk is to provide some guidance on how CPESC can help engineers in MSMA requirements. Most of the illustration here will be based on CPESC criteria to meet MSMA requirements.

- Scope of Erosion and Sediment control
- CPESC concept.
- MSMA concept.
- How to adopt CPESC requirements to comply with MSMA requirements.
- How to effectively control erosion and sediment control.
- The purpose of computation of RULSE and MUSLE.
- Why ESCP is a dynamic work.

WHO SHOULD ATTEND

- Government Agencies/Bodies/local authorities
- C&S Consultant engineers
- Property Developers
- Design Engineers
- Site Supervisors
- Contractors and Sub-contractors
- Researchers
- Lecturers
- Undergraduate / Postgraduate Students

Erosion and Sediment Control Plan(ESCP) for Certified Profession in Erosion and Sediment Control (CPESC) with MSMA2

COURSE SCHEDULE

Day 1:

Introduction to ESCP in CPESC and MSMA2. Erosion and sediment control concept and theory. Erosion and sedimentation processes. Erosion and sediment control principles. Erosion and sediment control BMPs including runoff management BMPs, sediment control BMPs, stabilization control BMPs. Estimation of soil loss by RULSE/ULSE. Sediment yield by MUSLE. Stormwater management in erosion and sediment control - rainfall intensity, peak discharge based on rational method or CPESC curve number method. How to use it to design wet/dry sediment.

TIME	TOPICS
0830am-0900am	Registration
0900am-1030am	Opening Speech, ESCP concept theory, Principle of ESCP
1030am-1045am	<i>Tea Break</i>
1045am-1300pm	CPESC concept
1300pm-1400pm	<i>Lunch</i>
1400pm-1530pm	MSMA concept
1530pm-1600pm	<i>Tea Break</i>
1600pm-1700pm	Adoption of CPESC in MSMA
1700pm-1730pm	Q&A and End of Session

Day 2:

Preparation of control plan and workshop.

TIME	TOPICS
0830am-0900am	Registration
0900am-1030am	Best Management Practices. Purpose of RUSLE and MUSLE
1030am-1045am	<i>Tea Break</i>
1045am-1300pm	Hand on workshop
1300pm-1400pm	<i>Lunch</i>
1400pm-1530pm	Hand on workshop
1530pm-1600pm	<i>Tea Break</i>
1600pm-1700pm	Conclusion
1700pm-1730pm	Q&A and End of Session

Applied Technology Group

COURSE REGISTRATION FORM

Course title:

Erosion and Sediment Control Plan (ESCP) for CPESC with MSMA2

(✓ Please tick)

05th - 06th July 2019

**Applied Technology Group Training Centre,
SS15, Subang Jaya, Selangor.**

Company Information

Company:	
Address:	
State/ Province:	
Zip/Postal Code:	
Country:	
Contact Person:	
Email:	
Phone:	

Attendee Information

Name (1)	
Job title:	
E-mail:	
Mobile/Tel No:	
Name (2)	
Job title:	
E-mail:	
Mobile/Tel No:	
Name (3)	
Job title:	
E-mail:	
Mobile/Tel No:	

Registration Fee

	Fee
Individual Fee	RM 1,600
Group Fee (3 or more delegates)	RM1,500

Closing date: 02nd July 2019. An early bird discount of RM100 for payment received before 14th June 2019.

Payment

Payment is to make payable to:

**Applied Technology Group Sdn Bhd
Public Bank Berhad (Malaysia)**

Account no: 3178247302

Payment terms:

Payment is required before the event. Once received your place is automatically reserved. Registration fee includes lunch, refreshments and full training documentation as specified. Delegates may be refused admission if payment is not received prior to the event. The fee does not include hotel accommodations.

Cancellation Policy

All cancellation of registration must be made in writing.

If you are unable to attend:

- A substitute delegate is welcomed at no additional charge.
- Your registration can be credited to a future event.
- You will receive a full refund less 10% administration charge if cancellation is received in writing more than 14 days before the event.
- No cancellations will be accepted within 14 days before the event start date. Full course documentation will however be sent to the delegate.

Course Schedule

Course starts at 9.00am and ends at 5.00pm daily. Please arrive at 8.30am on day one to allow time to register and receive course materials.

Please send completed form to:

Fax to: **+603 5637 9945**

or Email to : admin@apptechgroups.net

For enquiry, please call: +603 5634 7905

Or refer to our website www.apptechgroups.net

Applied Technology Group Sdn Bhd

W-8-1, Subang Square Business Centre,
Jalan SS15/4G,
47500 Subang Jaya, Selangor, Malaysia.