



Institute of Municipal Engineering of Southern Africa

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Design Guidelines for Small Coastal Stormwater Outlets

1. Background:

IMESA (Institute of Municipal Engineering of Southern Africa) and Stellenbosch University compiled two reports titled "Small Coastal Stormwater Outlets. Phase 1: Literature Review" and "Small Coastal Stormwater Outlets. Phase 2: Design guidelines". From these guidelines, content for a 1-day course has been extracted for presentation in Durban, Stellenbosch and Port Elizabeth with Prof Koos Schoonees and Dr Andre Theron facilitating on behalf of IMESA.

The aim of this 1-day course is: *to provide training to relevant municipal personnel and practising engineers by presenting comprehensive design guidelines for small coastal stormwater outlets. The aspects that will be covered include: coastal processes; design methods; beach usages; aesthetics and location; shoreline changes and scour; protection of the outlet; water quality; list of applicable legislation; some recommendations on the construction of small stormwater outlets.*

2. Scheduled dates:

The dates for the one-day course Design Guidelines for Small Coastal Stormwater Outlets are as follows:

- *IMESA Course 1: Durban - 1 October 2019 – **successfully completed***
- **IMESA Course 2: Stellenbosch - 23 January 2020**
- **IMESA Course 3: Port Elizabeth - 28 January 2020**

3. Targeted attendees:

This course is for all employees within Municipal Engineering Departments. Other staff from municipalities may also register for this course subject to capacity. A strict maximum of **50 attendees per course** will be registered and preference will be given to staff from Engineering Departments.

4. Registration and contact details:

There is **no charge for attendance of this course** by staff from Local Municipalities, however **registration is essential**. Attendance without a registration number will be not be allowed.

The registration form can be downloaded from the IMESA website: www.imesa.org.za/courses/ or requested from IMESA Head Office on admin@imesa.org.za or 031-266 3263.

Each attendee will be responsible for arrangements with his/her employer to attend the course and for all travelling and accommodation costs. A light lunch will be provided, no other catering is offered.



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Design Guidelines for Small Coastal Stormwater Outlets, continued

5. Course Programme:

The following training programme will form part of the two remaining IMESA capacity building Courses:

IMESA Course 2: Stellenbosch, Thursday, 23 January 2020

IMESA Course 3: Port Elizabeth, Tuesday, 28 January 2020

Module	Time	Topic focus
1	09:00 – 09:40	Welcome, Attendee & Course introduction, Background
2	09:40 – 10:20	Coastal processes & information required for design & construction – I.
3	10:20 – 11:00	Coastal processes & information required for design & construction - II.
11:00 – 11:30		Tea break
4	11:30 – 12:10	Guidelines for design - I.
5	12:10 – 12:50	Guidelines for design - II.
12:50 – 13:50		Lunch
6	13:50 – 14:20	Construction guidelines; Conclusions and recommendations.
7	14:20 – 15:00	Case studies and discussion – I.
8	15:00 – 15:20	Case studies and discussion – II.
End	15:20 – 15:30	<i>Final discussions and questions from attendees.</i>
Note: Discussion/questions ~10 minutes per presentation		

6. Training material to be provided:

Electronic copies of the two reports “Small Coastal Stormwater Outlets. Phase 1: Literature Review” and “Small Coastal Stormwater Outlets. Phase 2: Design guidelines” are available online from IMESA’s website. (Limited printed copies will also be available at the course, on a first come, first served basis.) Registered persons will be able to download the course presentation material online from IMESA’s website with their course registration number for access soon after the course. Attendees can bring their own private laptops/calculators to the course, which could be useful for the case studies.

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