

# DME - Seminar

## Chemicals and Pretreatment in Seawater Desalination

### - How to handle Fouling and Scaling -

takes place  
on

**June 09<sup>th</sup> / 10<sup>th</sup>, 2010**



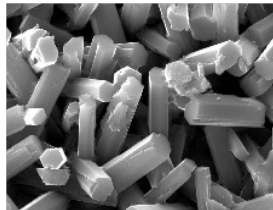
Venue:  
at

BEW Bildungszentrum für die Entsorgungs-  
und Wasserwirtschaft GmbH

Duisburg / Germany

## Contents of the DME-Seminar

Fouling and scaling are the biggest problems in MED plants for seawater desalination. The same stands for biofouling and pretreatment in RO systems. Sediments and residues reduce the performance and the effectiveness of the plants and set limits to their operational range. Oversizing of plants, pre-treatment of intakes and actions taken in order to reduce fouling and scaling, cleaning procedures as well as loss of production due to downtimes caused by cleaning processes may generate substantial costs.



In the context of the seminar, experts will give an overview to reasons and impacts of fouling and scaling in thermal and in membrane plants. Mechanisms leading to such problems and adequate counteractions to minimize, especially by the use of additives and their effects will be shown and discussed by means of practical example reports.



The ultimate purpose of this seminar is to improve the skills of desalination professionals and increase their awareness of the impacts of desalination plants on the environment. It is therefore designed to provide technical training and guidance to engineers, scientists, regulators, consultants and students.

## Program

<b>Wednesday, June 09<sup>th</sup>, 2010</b>	
08:30 – 09:00	Registration
09:00 – 09:15	Welcome and Introduction
09:15 – 10:00	Analysing Quality of Desalinated Water - Possibilities and Limitations
10:00 – 10:45	Intake and Filtration Systems for Thermal and Membrane Desalination Plants
10:45 – 11:15	Coffee Break
11:15 – 12:00	Chemical Pretreatment of RO-Plants & Case History
12:00 – 12:45	„Measuring and Control of RO Pre- and Post-Treatment“.
12:45 – 14:00	Lunch Break
14:00 – 14:45	BiosS-Treat® an Innovative Biofouling
14:45 – 15:30	Chemicals to prevent and remove fouling
15:30 – 16:00	Coffee Break
16:00 – 16:45	Coupling Desalination with CSP
<b>Thursday, June 10<sup>th</sup>, 2010:</b>	
09:00 – 09:45	Control of Particle Formation and Crystallization by Polymeres
09:45 – 10:30	Analysis of Biofouling and its Prevention in MED Plants
10:30 – 11:00	Coffee Break
11:00 – 11:45	Scale Formation and Prevention in MED Plants
11:45 – 12:30	Discussion

## Further information available at:

DME GmbH  
Bismarckstraße 120  
47057 Duisburg, Germany  
Tel. +49 (0) 203 / 306 4250  
Fax. +49 (0) 203 / 306 4255  
[info@dme-gmbh.de](mailto:info@dme-gmbh.de) / [www.dme-ev.de](http://www.dme-ev.de)

## Hotel Information

If you need hotel accomodation, please contact one of the following hotels where DME blocked some rooms. Please make your reservaton giving them the code word „DME“.

BEW Bildungszentrum für die Entsorgungs- und Wasserwirtschaft GmbH  
Dr.-Detlev-Karsten-Rohwedder-Str. 70  
47228 Duisburg-Rheinhausen  
Phone +49 (2065) 770 0  
Fax: +49 (2065) 770 117  
Mail: [hilligloh@bew.de](mailto:hilligloh@bew.de)

Hotel Mercur  
Landfermannstr. 20, 47051 Duisburg  
Phone: +49 (203) 30 00 30  
Fax: +49 (203) 30 00 35 55  
Mail: [H0743@accor.com](mailto:H0743@accor.com)

## Registration Fee in € incl. VAT

	<b>*Before May 21<sup>st</sup> 2010</b>	<b>From May 22<sup>nd</sup>, 2010</b>
DME Member	715	810
Non Member	1.015	1.120
Academia	360	395
Student	240	265

\*This fee is valid only, if the registration form is sent to DME office until May 21<sup>st</sup>, 2010 latest.

**The registration fee includes the seminar proceedings, lunch and drinks during the coffee breaks.**

Participants are kindly requested to transfer the registration fee **without any deduction** to the following bank account, using the reference code „S-004-2010“ (bank fees at your charge):

Commerzbank AG, Duisburg  
Bank Code: 350 400 38  
Account-No.: 599 0338  
IBAN-Nr.: DE04350400380599033800  
SWIFT Code: COBADEFF 350  
VAT-No.: DE263828089

### Refund Policy in case of Cancellation:

Cancellation until : 21.05.2010 50% refund  
Cancellation after : 22.05.2010 no refund

## Registration

<b>Seminar:</b>	<b>S-004-2010</b>
Name, Surname:	
Company/Institut:	
Address:	
Phone:	
Fax:	
Mobile:	
E-Mail:	

Please mark:

- DME Member
- Non Member
- Academia
- Student (please add evidence of student registration)

Date:

Signature:

**Lower your fees –  
become a member of DME!**

**Please send this registration form to the DME-Office, Fax-No. + 49 (203) 306 42 55.**

## Venue:

BEW Bildungszentrum für die Entsorgungs- und Wasserwirtschaft GmbH  
Dr.-Detlev-Karsten-Rohwedder-Str. 70  
47228 Duisburg-Rheinhausen / Germany



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Autobahn A40 until exit Duisburg-Homberg. Then you turn to the right. After 500 – 700 m again turn right. Follow this street until the second junction. After 200 m you will find our house on the right side.