

**ONE DAY TECHNICAL WORKSHOP & UTILITIES STAKEHOLDER FORUM  
on Sludge Treatment Process, Handling and Disposal  
18 April 2017**

**Kota Permai Golf & Country Club, Shah Alam**



**Session 1:  
Technical Session on Sludge Treatment  
Processes, Handling and Disposal**

Over the years, the domestic sewage collection rate has increased drastically worldwide and the improving wastewater treatment processes have led to increasing production of residual sludge. Political and legislative pressures on polluting industries have also participated in the rapid growth of sludge volume.

Therefore EMO (FRANCE) – who is a market leader in sludge treatment has been focusing for more than 25 years on developing processes and technologies which aim at reducing residual sludge volume and at disposing of the waste sludge in environmental friendly ways, at the lowest possible cost. In parallel to sludge treatment, EMO has also followed the trend manufacturer of electro mechanical equipment for industrial and municipal wastewater treatment plants and drinking water plants.

Thanks to this continuous involvement in projects from preliminary design to after-sales service EMO’s technological flexibility and organisation has enabled those qualities to be appreciated worldwide. Thanks to permanent R&D and the assistance of its in-house well equipped laboratory, EMO range of products really meets the water market needs.

EMO’s strong sense of involvement allows it to accurately define the technique to be used, the capacity and the sludge’s or by products final destination.

**Session 2:  
Malaysian Water Utilities Stakeholders  
Forum on Current and Future Challenges  
in Sludge Management and Disposal**

Since 2007, MWA had made effort to facilitate Government to address issues that involves enforcement on water treatment plant sludge which had put operators from Government and private sector on a predicament which requires clarification and probably some reconsideration for revision of the related regulations. Some progress had been made during these discussions with relevant regulatory authorities. This Session is a revisit to discuss and update on any current operational challenges and problems of residual sludge management and disposal that may still be faced by the water industry. There will be 3 case studies to update on challenges and experiences faced by water operators on sludge disposal and enforcement based on current regulatory requirement. The topics are of particular relevance to the drinking water operators. It will take the form of dialogue and panel discussion with the relevant authorities.

**REGISTRATION FEE**

RM 110 per head (inclusive of GST, meals, handouts and certificate of participation).

Registration is subject to first come first served and upon receiving the full registration fees.

Registration deadline: 17 April 2017

**Inquiries:** Tel 03 62012250/9521 (Johari)

**Organised by:**



**Supported by: KeTTHA**



**Sponsored by MWA Institutional Member:**



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<b>A G E N D A</b>	
<b>8:30 AM</b>	<b>Registration &amp; Refreshments</b>
9:15 AM	Welcoming Remarks by MWA President  Opening Address by YBhg. Dato' Dr. Tan Yew Chong, Deputy Secretary General, Ministry of Energy, Green Technology & Water (KeTTHA)
9:45 AM	<b>SESSION 1: TECHNICAL WORKSHOP</b>  SPEAKER 1: Mr. Olivier Chagot Technical Presentation : <ul style="list-style-type: none"> <li>▪ Sludge Characterization/ Sludge Origin (River water, Dam, Seawater)</li> <li>▪ Sludge Volatility / Nature of Sludge Content</li> <li>▪ Alum sludge/ Ferric sludge/ Lime Sludge</li> <li>▪ Sludge Conditioning</li> <li>▪ Optimization on sludge treatment based of different type of process</li> <li>▪ Different VSS and water NTU</li> </ul>
<b>10:45 AM</b>	<b>Tea Break</b>
11:15 AM	<ul style="list-style-type: none"> <li>▪ Optimization on sludge thickening / dewatering</li> <li>▪ Sludge Settling/Floatation sludge</li> <li>▪ Backwash water; what need to be done</li> <li>▪ Ability and considerations to dewater sludge from RW from Dam / River</li> <li>▪ What to expect from different type of sludges</li> <li>▪ Sludge handling before disposal</li> <li>▪ Important criteria in sludge process / treatment</li> </ul>
12:30 PM	SPEAKER 2: Drs. Cor Spaapen – Ladon Distributors Experience of Sludge Dewatering in Hong Kong
<b>1:00 PM</b>	<b>Lunch</b>
2:00 PM	<b>SESSION 2: UTILITIES STAKEHOLDER FORUM</b>  Case Studies: Malaysia's Experience: <ul style="list-style-type: none"> <li>▪ Operational Data on water sludge standards and disposal by Ir. Chan Chiang Heng</li> <li>▪ Challenges and experiences faced by PBAPP on sludge disposal and enforcement based on current regulatory requirement.</li> <li>▪ Challenges and experiences faced by SAJ on sludge disposal and enforcement based on current regulatory requirement.</li> </ul>
3:00 PM	<b>Utilities Stakeholders Dialogue and Forum</b> (with CEOs, policy makers, water operators/ regulator / industry on sludge)  MODERATOR: Dr. Ching Thoo, Under-Secretary, Water & Sewerage Sector, KeTTHA
4:00 PM	Wrap up
<b>4:30 PM</b>	<b>End &amp; Light Refreshments</b>

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REGISTRATION FORM  
(registration deadline: 17 April 2017)

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E-mail: [johari@mwa.org.my](mailto:johari@mwa.org.my) (Johari)

To:  
The Malaysian Water Association  
No. 24, Second Floor, Jalan Sri Hartamas 8  
Taman Sri Hartamas, 50480 KUALA LUMPUR

I / We would like to participate in the above.

**A. PARTICIPANT DETAILS**

1. Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
E-mail: \_\_\_\_\_

2. Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
E-mail: \_\_\_\_\_

3. Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
E-mail: \_\_\_\_\_

Organisation & Address : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tel & Fax: \_\_\_\_\_  
E-mail: \_\_\_\_\_

**B. PAYMENT DETAILS**      **Registration Fee/head: RM110 (including GST)**

Enclose herewith my/our full payment of RM \_\_\_\_\_  
issued to **MALAYSIAN WATER ACADEMY SDN BHD**  
**Account No: 277 000 23799 (Hong Leong Berhad)**

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Authorised signature

Date & Org. stamp