

TECHNICAL VISIT to PANTAI 2 REGIONAL SEWAGE TREATMENT PLANT (RSTP) KUALA LUMPUR

Organised by Tunnelling & Underground Space Technical Division (TUSTD)
BEM Approved CPD Hours: 3.0 Ref No: IEM24/HQ/056/V

Date : **07th March 2024 (Thursday)**
Time : **8.30am – 1.00pm**
Venue : **PANTAI 2 STP**
Address : **No 1 Jalan Kampung Pasir 1
59200 Pantai Dalam Kuala Lumpur W.P**
Transport : **Strictly by Transportation Provided
(please arrive before transport depart from KLCC)**

SYNOPSIS



Under the 10th Malaysia Plan, the large aerated lagoon sewage treatment plant in Pantai Dalam was upgraded and converted into a state of the art mechanized underground regional sewage treatment plant (RSTP) with public amenities. The plant known as Pantai 2 RSTP has an ultimate design capacity of 1.423 million population equivalent or 320 MLD of treated effluent. It is located in the Pantai Catchment which is the largest of eight catchment within the city of Kuala Lumpur. The Pantai catchment covers an area of over 6,700 ha that includes the central and south-western parts of Kuala Lumpur. The construction of the Pantai 2 RSTP started in July 2011 and was completed in July 2015.

The main sewage treatment plant is built below ground level whilst the sludge treatment facility is above the ground level, over 17 ha of land area which also includes an above ground recreational park and amenities. Pantai 2 RSTP utilizes the Advanced Anaerobic-Anoxic-Oxic (A2O) process that is effective in removing nitrogen and phosphorus in the wastewater compared to the conventional treatment system. The plant is designed for Standard A effluent discharge quality as prescribed in the Environmental Quality (Sewage) Regulations 2009. The facility has been designed to maximize green energy recovery through installation of solar panels and biogas utilization. The plant also has rainwater harvesting and final effluent reuse for non potable use.

For more info : (please refer to https://www.iwk.com.my/cms/upload_files/files/English%20Brochure-Pantai%202.pdf)

Note :

SAFETY REMINDER : Participants shall be well-equipped with their own PPE equipment, i.e. safety helmet, safety vest and safety boots in order to be allowed access into the site.

TENTATIVE ITINERARY – (subject to change without prior notice)

<u>Time</u>	<u>Itinerary</u>
8.30 – 9.00am	Registration at Ground Floor Kuala Lumpur Convention Centre (KLCC).
9.15am	Transport Depart from KLCC
10.00am – 12.00pm	Arrival. Welcome Address and Safety Briefing. Site Visit / Tour of RSTP.
12.30pm	Question & Answer Session.
1.00pm	Program Ended & DEPART back to KLCC

Note : Participants is requested to have their own breakfast before the visit as no refreshment shall be provided.

Commitment Fees (Non refundable & non transferrable)	
IEM Member	: RM 50.00
Non Member	: RM 70.00
IEM Student	: FOC

- ✓ The visit is strictly limited to **30 participants registered on a first-come, first-served basis** or **once the visit reaches its limit number of participants. No additional participants or late registration shall be entertained.**
- ✓ Interested participants are to register and pay online at www.myiem.org.my or register by returning the appended registration form **before 26 FEBRUARY 2024** together with the payment or earliest once the registration is closed.
- ✓ Cheque are to be made payable to **The Institution of Engineers, Malaysia.**
- ✓ Please note that the commitment fee must be settled prior to the visit. Payment on the day of the visit is not acceptable.
- ✓ After this closing date, IEM reserves the right to allocate seats on first come first pay basis.
- ✓ Members are also reminded that if a place is reserved, IEM *may* cancel the reservation if payment is not received.

REPLY SLIP

Chairman
Tunnelling & Underground Space Technical Division
The Institution of Engineers, Malaysia
PO Box 223 (Jalan Sultan),
46720 Petaling Jaya, Selangor

**TECHNICAL VISIT
TO PANTAI 2 REGIONAL SEWAGE TREATMENT PLANT (RSTP), KUALA LUMPUR
07TH MARCH 2024**

I wish to participate in the above visit. I enclosed herewith a cheque no. for the amount of RM..... as my commitment fee for the visit.

Name of Member	: _____	M'ship No	: _____
Company's Name	: _____	Grade	: _____
Address	: _____	Tel (Office):	: _____
		Tel (Mobile):	: _____
Email Address	: _____		

PERSONAL DATA PROTECTION ACT:

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

I will be participating in the visit at my own risk and hereby indemnify fully The IEM from all claims arising from any injury, damage or loss that may be sustained by me.

.....
(Date)

.....
(Signature)

- Please bring along this flyer for confirmation of attendance
- Photocopies are acceptable –