



The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lot 60/62, Jalan 52/4 Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan

Tel: 603-7968 4001/2 Fax: 603-7957 7678

E-mail : sec@iem.org.my IEM Homepage : <http://www.myiem.org.my>

TALK ON AN OVERVIEW OF ABOVEGROUND ATMOSPHERIC STORAGE TANKS IN OIL AND GAS FACILITIES

(Organised by Oil, Gas & Mining Technical Division, IEM)

Date : **13 April 2013 (Saturday)**
Time : **9.00 am – 11.00 am (Refreshment would be served at 8.00 am)**
Venue : **TUS Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya**
Speaker : **Ir. Alzakri B. Ekhwan**

BEM Approved
CPD Hours: 2
Ref No: IEM13/HQ/030/T

SYNOPSIS

Storage tanks are common equipment found in oil and gas facilities. They are used for temporary storage of products prior to being transferred to the next process activity. Atmospheric Storage Tanks operate under no or very little pressure, distinguishing them from pressure vessels.

The talk will provide an overview on the types of Aboveground Atmospheric Storage Tanks commonly used in the Oil and Gas industry. Some of the common types will be Fixed-Roof type and Floating-Roof type. The talk will also explain in more details the accessories associated with the tanks such as the Breather Valve, Floating Roof Drain, Floating Roof Seal, Rolling Ladders, Liquid Level Indicator, Anti Rotation Device and Roof Legs.

Some common failures in Aboveground Atmospheric Storage Tanks such as Pontoon leaks, Roof Drain puncture, Bottom Plate leak, Shell thinning and others will be shared, followed by typical types of Non Destructive Tests (NDTs) and Inspection carried out during erection and scheduled maintenance of these tanks.

BIODATA OF SPEAKER

Ir. Alzakri B. Ekhwan is a Principal Engineer for Static-Unfired Equipment. He was graduated in 1993 from the University of Bath, UK in Mechanical Engineering. He is currently based in PETRONAS Penapisan Melaka Sdn. Bhd. (PP(M)SB) and has more than 19 years of experience in maintenance, design, fabrication, inspection and construction of Static Equipment in the Oil and Gas industry.

He was the Staff Engineer and Field Engineering Manager for MG3 Lube Base Oil (MG3) Project and Hydrogen Processing Unit 2 (HPU-2) Project at PP(M)SB. Prior to that, he was the Senior Inspection Engineer at PP(M)SB and Head of Mechanical Section at PETRONAS Methanol (Labuan) Sdn. Bhd. He is also appointed as the Pressure Vessel Group Leader for PETRONAS Static Equipment Community of Practice (SECoP) and Discipline Resource Person for Static Equipment in PP(M)SB.

Ir. Alzakri is a certified API 653 Inspector and a certified First Grade Steam Engineer registered with DOSH Malaysia. He has been appointed into the Academic Advisor Panel for Mechanical Engineering Masters Programme for Universiti Teknikal Malaysia Melaka (UTeM), an Adjunct Lecturer with the University Teknologi Petronas (UTP) and serves as the External Examiner for the UTP students' Final Year Project.

Ir. Razmahwata Mohd Razalli
Chairman
Oil, Gas & Mining Technical Division, IEM

Announcements to Note:
<ol style="list-style-type: none"> 1. Talk is STRICTLY for IEM members only (walk-in). 2. Telephone and/or fax reservation will NOT be entertained. 3. Limited seats are available on a "first come first served" basis (maximum 110 participants). 4. IEM members are required to produce your membership cards for confirmation of attendance (CPD purpose). 5. Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
IEM members who fail to produce their membership cards will be charged a fee of RM20.00
FUNDS FOR IEM NEW BUILDING (WISMA IEM)
Kindly be informed that participants will be charged RM10.00 administrative fee for talks organized by IEM. The fee will be used for overhead costs, building maintenance expenses as well as to support the purchase of Wisma IEM. However, students are exempted. Your understanding is much appreciated.

CPD HOURS CONFIRMATION	
Name of Member:	M'ship No:
Signature:	Date :