

WEBINAR TALK ON TREATMENT OF ACID MINE DRAINAGE IN EX-MINING AREA

BEM Approved CPD: 2 Ref no: IEM24/HQ/248/T (w)

Organised by: Oil, Gas and Mining Technical Division, IEM

SPEAKER: EN. MOHD SYHRIR BIN MOHD ROZI



13 JULY 2024, SATURDAY



9.00AM - 11.00AM

SYNOPSIS

Pusat Penyelidikan Mineral (PPM) had conducted a research and development (R&D) project on the classification of mine effluent in Peninsular Malaysia which to identify mining sites that have acid mine drainage (AMD) problem. It has been found that several mining sites have this problematic issue. One of the spotted areas is in Bukit Besi, Terengganu. A project entitled Research and Development of Green Technology for Mine Rehabilitation was devised to develop an active and passive treatment pilot plant to mitigate the AMD in the area. This lecture will focus on understanding the AMD itself and also the outputs of the research conducted by Pusat Penyelidikan Mineral.

SPEAKER'S PROFILE

Encik Mohd Syahrir Bin Mohd Rozi is currently a Head of Division, Mining and Quarrying Rehabilitation Technology at Mineral Research Centre, Department of Mineral and Geoscience Malaysia, Ipoh, Perak. He is graduated in Bachelor of Engineering (Chemical) (1999 – 2004) from Universiti Teknologi Malaysia.

Research Highlights:

- 17 years of research experience in Acid Mine Drainage (AMD) from mining and quarrying activities.
- Led R&D projects using green technology for mine site rehabilitation, focusing on AMD treatment.
- Developed an AMD pilot plant and testing procedures for potential AMD from mining wastes.
- Created cost-effective AMD active treatment solutions using local materials.
- Conducted heavy metals and trace elements analysis from mine solid waste and wastewater.
- Collaborated with local and international institutions on AMD mitigation projects.
- Delivered lectures and published papers on AMD.
- Contributed to developing mining and quarrying guidelines.
- Filed a patent application for an AMD treatment method.

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