Webinar
Talk on Application of Principal Component Analysis & Multiple Regression Models in Dust Pollution Assessment at Quarry Site

CPD Hours : 2 **CPD Ref No : IEM22/HQ/100/T(w)**

Oil, Gas and Mining Technical Division

SYNOPSIS

The human activities in their various aspects cause a change in the natural air quality. This change, results more marked in very populated and high-industrialized areas. Quarrying activity has no excuse. Dust are ubiquitous at quarry sites and poses environmental hazard to the workers and the surrounding community.

Quarry activities such as drilling, blasting, crushing, screening, materials handling and transporting in combination of air movement generate dust. Undeniably, there are too many variables and factors to be considered for dust prediction from quarry, including influences of local meteorology and topography. As such, statistical and modeling techniques are extremely appropriate and useful for the prediction of dust pollution at quarry site. In this technical talk, participants will be exposed to a study conducted by Mineral Research Centre (MRC) on dust pollution and control as well as software and mobile apps that have been developed by MRC.

SPEAKER

Dr. Izhar Abadi B Ibrahim Rais

Dr. Izhar Abadi graduated in Mineral Resources (B.Eng Hons) from University of Science Malaysia in 1990 and later received his Master in Mineral Resources (M.Sc. Hons) in 2002 and PhD in 2012 from University of Science Malaysia. He started his career as a Research Officer since Oct 1990 at Mines Research Institute, Ipoh and promoted as a Head of Mining and Quarry Rehabilitation Technology Division, Mineral Research Centre in 2014. He is currently the Head of Mining & Quarry Technology Division, Mineral Research Center, Department of Mineral & Geoscience Malaysia, Ipoh since 2016.

His area of expertise is on dust control studies at quarry area and he is the inventor of six (6) software registered under Copyright Act (Intellectual Property Corporation Of Malaysia), namely:

1. Quarry Particulate Pollution Index Software (QPPIs Ver 1.3.2)-2014
2. Quarry Particulate And Traffic Noise Software (QPINs Ver 1.0)-2015
3. Quarry Environmental Modeling Software (QEMs Ver 1.0)-2016
4. Quarry Dust Deposition Rate Modeling Software (QDDRMs Ver 3.1)-2016
5. Quarry Environmental Modeling Software (QEMs Ver 2.0)-2018
6. QPINs Web System-2021

Saturday I 14 May 2022 I 9AM – 11AM

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