

Visit to Kelang Valley Distribution Terminal

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INTRODUCTION

A group of 24 engineers visited Kelang Valley Distribution Technical (KVDT) on 20 July 2006. They were received by En. Tan Su Beng (Operations Manager) and En. Ahmad Yusof (Business Services Manager) from PS Pipeline Sdn Bhd.

The purpose of the visit was to give exposure to engineers on the facilities and operational aspects of a petroleum depot/ terminal and pipeline system.

GENERAL

KVDT is located on a 60-acre site at Km 18, Jalan Dengkil-Puchong, Selangor. It is owned jointly by Petronas Dagangan Bhd (PDB) - 40%, Shell Malaysia Trading (SMT) - 40% and Esso Malaysia Bhd (EMB) - 20%. The terminal is operated by PS Pipeline Sdn Bhd; a 50:50 joint venture between PDB and SMT. PS Pipeline also operates the Multi-Product Pipeline (MPP).

MPP

The Multi-Product Pipeline consists of a 130-km buried pipeline of 16-inch diameter. It originates from Petronas Refinery in Melaka and Shell and Esso refineries in Port Dickson. The pipeline has a branch line at Sepang. This branch terminates at KLIA.

MPP has two (2) pump stations at Melaka and Port Dickson, four (4) meter stations at Melaka, Port Dickson, KLIA and KVDT and 7 block valve stations for purpose of isolation in case of leaks. It is also equipped with SCADA system and leak detection system. In addition, surveillance by foot and by helicopter are also carried out.

KVDT

KVDT has storage tanks for diesel and premium motor gasoline. In addition, it has pumping facilities, truck-loading facilities as well as fire-fighting facilities.

KVDT is fully-automated with the Terminal Automation System. The system takes care of tanker loading and terminal entry and exit. It has CCTV installed at strategic locations in the terminal.

KVDT offers an efficient and low cost distribution system for petroleum products to areas in and around to Kelang Valley. KVDT also has reduced road tanker risks / accidents.

CONCLUDING

From the visit, participants gained an overview on the facilities and operational aspects of an oil terminal and pipeline system. Judging from the response from the visiting engineers, the visit was a big success. ■

