

Seminar on “Environmental Management in the Refinery” Held at TAKREER (UAE)

1. Background

As requested by Abu Dhabi Oil refining Company (TAKREER) in UAE, JCCP held a seminar on “Energy Saving in the Refinery” last spring, followed by a seminar on “Environmental Management in the Refinery” this past November.

2. Seminar Overview

The seminar was held over a period of four days, from November 22 to 25, 2009, at Le Royal Meridien Hotel in Abu Dhabi. The Japanese seminar team consisted of two lecturers from JCCP’s Training Department, K. Kamijyo and S. Satake, and two external lecturers, Mr. Tetsuro I from JGC Corporation and Mr. Masaaki Sakurai from Toyo Engineering Corporation.

The majority of the participants were from the Ruwais and Abu Dhabi Refineries, but there was also a participant from the head office, and a female participant among the members from the Abu Dhabi Refinery.

3. Details of the Seminar

On the first day, a brief lecture was initially given

on “Introduction of JCCP.” This was followed by lectures on “Environmental Strategies of Japanese Oil Companies” and “Clean Fuel and Heavy Oil Upgrading Technologies.” The first lecture discussed the history of pollution in Japan and environmental regulations imposed on Japanese refineries, as well as the social responsibility of oil companies and their commitment to global environmental conservation. The second lecture introduced initiatives that have been implemented by Japanese oil companies to produce sulfur-free fuel for the first time in the world, and outlined their approaches to heavy oil upgrading. The second day’s lecture covered various air pollution prevention technologies, with an emphasis on SOx and NOx treatment facilities. The participants seemed especially interested in the description of ultra low-NOx burners that use fuel gas as fuel. On the third day, wastewater management in refineries was discussed in terms of technologies for primary treatment to advanced treatment, and by providing case examples of wastewater treatment measures employed by Japanese refineries. On the last day of the program, the participants divided into two groups, the Ruwais Refinery group and the Abu Dhabi Refinery group, and discussed environmental



Seminar participants



Group discussions

*Front table: Ruwais Refinery
Rear table: Abu Dhabi Refinery*

issues they face in their respective refineries. Time constraints unfortunately prevented them from engaging in deep discussions, but the members of each group seemed to share a deep sense of common understanding of the issues.

4. Reflections

At the end of the seminar, the participants were asked to provide their impressions and opinions of the seminar. They evaluated the seminar as extremely meaningful, and said they would like to participate in a JCCP regular course in the future. In the closing seminar, Mr. Jamshid Khan, Senior Safety & Fire Engineer, and Mr. Ahmed Al Gattan, Training & Career Development Department manager, took their time to deliver closing statements, and Mr. Anwar M. G. Al Mutawa, Senior Training Officer, also expressed words of appreciation to JCCP.

We would like to extend our deepest thanks to everyone and all companies who gave us their time and cooperation in the seminar.

<by Kazuyoshi Kamijyo, Training Dept.>



A TAKREER environmental management manager (center) witnessing the presentation of the completion certificate