

TR-15-11 Material Problems and Their Countermeasures
November 1 – November 18, 2011

Lecturer: Hiromitsu Saito

Content: Petroleum Industry in Japan;
Material and Inspection of Static Equipment;
Maintenance Management in Japanese Refinery;
Material of Pressure Vessels;
Estimation of Remaining Life of Static Equipment;
TPR (Total Plant Reliability) Activity;
Typical Case of Corrosion in Refinery;
Fundamentals of Welding; Metallurgy of Welding;
The Latest Welding Technologies;
Typical Problems and Countermeasures of High
Tensile Steels; Repair Technology of Tanks;
Tank Corrosion and Countermeasures; Corrosion &
Deterioration Problems of Materials in Refinery;
Typical Mechanical Damages in Refining Industry; The Latest Welding Technology;
Corrosion of Metals in Oil & Gas Industries

Site visits: The Japan Steel Works Ltd. (Muroran Plant); JX Nippon Oil & Energy Corporation (Muroran Refinery); Taseto Co., Ltd. (Fujisawa); IHI Corporation (Production Engineering Center); Shinko Plantech Co., Ltd. (Head Office); Chiyoda Corporation (Head Office)

Countries: Bahrain, Colombia, Indonesia, Iraq, Kuwait, Nigeria, Pakistan, Sudan, Thailand, Vietnam



<10 countries / 16 participants>