

PROJECT MANAGEMENT

Project Management

International

CBM Facility Operations and Maintenance Manual San Pedro

Client: Coastal Petroleum
Location: Dominican Republic
Period: January to December 2009

San Pedro de Macoris CBM Facility Operations and Maintenance Manual

Coastal Petroleum Dominicana, S.A. owns and operates the San Pedro offshore terminal facility which is located on the south coast of the Dominican Republic, approximately 6 kilometres east of the Port of San Pedro de Macoris.

The facility comprises of a Conventional Buoy Mooring (CBM) which is located approximately 750m offshore. PMI project managed a design review and upgrade of certain elements of the mooring system to improve operability. The refurbishment work was completed in December 2008. PMI were then appointed by the Client to prepare an updated Operations and Maintenance (O&M) manual for the system.

Scope of Work

The process of preparing the O&M manual began with the assembly of information: The original O&M manual; the revised design information; informants such as environmental conditions and operating parameters, and design results such as equipment specifications and operability criteria; and technical data on all existing and upgraded equipment.



This information was then compiled as the revised O&M manual for the facility, in the following sections:

- A general description and overview of the CBM and fluid transfer systems
- Safety requirements from required international standards and fire-fighting, to personal safety equipment
- Operations procedures are detailed for: Tanker berthing, including weather checks, load calculations, and berthing procedures; Subsea hose connecting, product transfer, and disconnecting checks and procedures detailed per product; Rough weather procedures; and Emergency disconnection procedures

- Maintenance schedules are given for routine and preventative maintenance, with required equipment and tools lists
- Marine pollution controls as required by international standards
- Appendices of design input and output data, and equipment specifications and test certificates.

