



Hydrocarbon Management (HM) in the Refining Industry

Presenter

Dr. Suresh S. Agrawal
President

Offsite Management Systems LLC

Sugar Land, Texas, USA
www.globaloms.com
s.agrawal@globaloms.com

January 21, 2015

OMS-W02 Hydrocarbon Management in the Refining Industry

Table of Content

- 1-Webinar Title
- 2-Webinar Format
- 3-About Offsite Management Systems LLC
- 4-Speaker's Profile
- 5-Webinar Objectives
- 6-What is Loss/Gain in a Refinery?
- 7-Definition of Hydrocarbon Management
- 8-Why it is important?
- 9-Some Commercial terms used in this webinar
- 10-What is Own Use and losses in a refinery?
- 11-Refinery Process Information Flows
- 12-From Measurement to Finance Control
- 13-Essentials of HM Landscape
- 14-Refinery Fenceline Balancing
- 15-Unit Balancing
- 16-Why meters reconciliation is important?
- 17-An Example of Refinery Balance
- 18-How is refinery loss distributed?
- 19-How is oil loss defined?
- 20-Credit and Debits and HM Landscape
- 21-HM Process - An Overview
- 22-What is Production / Consumption lumped together
- 23-Process of mass reconciliation
- 24-Example of Inventory Balance
- 25-A typical refinery loss/gain distribution for 3 years
- 26-Illustrative monthly % loss/gain for a real refinery
- 27-Mass is lost and volume is gained
- 28-Economics for improved HM
- 29-It is all in the accurate measurements
- 30-Mass Quantity Uncertainty Matrix
- 31-Example of Measurement Uncertainty Calculations
- 32-Typical HM Landscape Dataflow in a Refinery
- 33-Strategic Approach to HM in a refinery
- 34-Commercial Systems available in the market place
- 35-Summary